

What's New

Saba Cloud | Update 34 | May 2016



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New features at a glance by functional area

The below table summarizes the list of features introduced in the release and their potential impact on your environment.

Note: * Enabled by default does not necessary imply that the feature is immediately available to your users; it may require a user with an appropriate administrator role to turn on applicable functionality, business rules, etc.

Table 1: Summary of features

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
REST APIs	Create a new training unit agreement using the Invoice Me payment method	•				Developer
	APIs for retrieving, adding and updating Delivery modes	V				Developer
	Manager can now grant certific~ ation/curriculum to a learner	v				Developer
	Pass user-friendly IDs to REST APIs	V				Developer
	Assign, retrieve or remove an owner of a Facility	V				Developer
	Assign, retrieve or remove an owner of a Location	V				Developer
	Assign, retrieve or remove asso~ ciations of a Job Role	V				Developer
	Assign or retrieve a job of a Job Family	V				Developer
	Assign, retrieve or remove Job roles and Next career steps of a Job Type	v				Developer
	Assign, retrieve or remove asso~ ciations of an Organization	v				Developer

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Assign, retrieve or remove asso~ ciations of a Competency	V				Developer
	Search API to retrieve the de- tails of the security roles	V				Developer
	APIs for retrieving, adding, up~dating and deleting currency exchange rates	v				Developer
	APIs for retrieving, adding, up~ dating and deleting list values	v				Developer
	APIs for adding, updating, delet~ ing and retrieving Currency list of a person	v				Developer
	The Create/Update Course REST APIs now considers the Customer Service Representat~ ive value	•				Developer
	Audience Type to support Lookup	V				Developer
	Merge Person's Profile API to support Audience type merge and Person number swapping	v				Developer
	GET THE DETAILS OF A PARTICULAR GOAL API to provide last progress details	v				Developer
	Search for people based on whether they are marked as a resource	V				Developer
	APIs for retrieving, adding and updating Job Requistions	V				Developer
	APIs for adding and updating Goals, Goal Progress and Status	O				Developer
	API to mark a task/registration module complete	O				Developer

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	API to delete a facility	V				Developer
	Audience Type support for the Certification and Curriculum Search APIs	V				Developer
	Lookup support for the Tran~ script API	v				Developer
	Lookup support for additional REST APIs	O				Developer
	Order details API to return Billing Address and Payment details	v				Developer
	Enrollment details API now considers BST	V				Developer
	PROFILE REST APIs auto-as~ sign the OOB security roles	V				Developer
	Caching for REST APIs			O		"Admin" user
System	New settings for profile merge	O				People admin
	Terms and Conditions URL on Sign Up page is configurable	v	System ad~			System admin
	SMF enhancements	O		•		"Admin" user
	Support for Google Tag Man~ ager		System ad~ min	v		System admin
	New keyword for Webhook ac~ tions	V	System ad~ min			End user
	Rich text support for extended custom fields		System ad~ min			All

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Prescriptive rule for course and review can be executed by ad~ ministrator privileges		System ad~ min			System admin People admin Performance ad~ min Learning admin
	Unique URL for search results	V				All
	Changes to the Team Overview page	V				Manager
	Dashboard level security to Benchmark module for Saba Cloud Mobile application		System ad~ min			System admin
	New notification management UI		System ad~ min			System admin
Analytics	Not contains as the new filter operator	V				Analytics admin Analytics user
	Report execution details to be available on the top of the re~ ports	v				Analytics admin Analytics user
	Updated Reports	v				Analytics admin Analytics user
	New Reports	v				Analytics admin Analytics user
	Color picker accepts Hex color code for Report Theme	V				Analytics admin Analytics user
	Grouping for Crosstab reports	v				Analytics admin Analytics user
	Quarterly and Hourly schedul~ing of Analytics reports	V				Analytics admin Analytics user

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Report notice messages presen~ ted as notice bubbles	v				Analytics admin Analytics user
	Change in the behaviour of the metric Unique Person Count	0				Analytics admin Analytics user
	Tent card reports	v				Analytics admin Analytics user
	Custom metrics support aggreg~ ation	v				Analytics admin Analytics user
	Reorder report filters	V				Analytics admin Analytics user
	Interchange axis/legend dimen~ sion values in a dashboard re~ port	0				Analytics admin Analytics user
	Additional attributes to support dropdown (LOV)	0				Analytics admin Analytics user
	New Attributes	0				Analytics admin Analytics user
	Updated Attributes	•				Analytics admin Analytics user
	Share reports or dashboards with specific users using man~ ager or employee as the audi~ ence	v				Analytics admin Analytics user
	Hide non-editable report filters	v				Analytics admin Analytics user
	Control the visibility of exten~ ded custom fields	•				Analytics admin Analytics user

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Additional search filters in class roster		System ad~ min			Instructor Learning admin
	Roster print PDF enhancements		System ad~ min			Instructor Learning admin
	Configure display of credits on completed learning of learners	V	System ad~ min			End user
	Display view credits link in catalog search results	Y				End user
	Enhanced class and course de~ tails pages	v				End user Manager Learning admin Instructor
	Display available credits in a popover	•				End user
	New reminder notification for class commencement	v	System ad~ min			End user Learning admin
	Enhanced order registration and cancellation confirmation pages		System ad~ min			End user Learning admin
	Enhanced editing capability on certification versioning	•				Learning admin
	Restrict the ability to approve or reject class enrollment re~ quests		System ad~ min			Manager Alternate man~ ager HR admin People admin Approver

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Display learner's billing and shipping address in order details	v	System ad~ min			System admin Registrar
	Select e-commerce configura~ tion based on domain or micros~ ite	V	System ad~ min			System admin End user
Market~ place	Picker to select username and the audience type while config~ uring a MicroApp	v				System admin
	OAuth authentication support for Adobe eSign integration		System Ad~ min			System admin
Social	Preview social files		System ad~	V		End user
Perform~ ance	New settings for org objective and manager goals in My plan view	V	System ad~ min			System admin End user
	Update overall rating score via RDI for active and completed reviews	V	System ad~ min		•	System admin
	Capture audit trail on updating the overall rating	•	System ad~ min			System admin Performance ad~ min End user
	Attach files in a review		Perform~ ance admin			Performance ad~ min Rater Reviewee
	Print To-Do List	V				End user
	People admin and HRBP can access user's plan through pro~ file quicklinks	V	System ad~ min			System admin People admin HRBP - Perform~ ance

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	Update approval flow for goals	V				People admin End user Manager
Recruiting	Additional keywords in offer letter	v	Recruiting admin			Recruiting admin Hiring manager
	Assessment data prefilled when candidate applies for another job	v				Candidate
	Default values in the component attributes	O				System admin
	UI changes in the Hiring Team view	V				Hiring team
	Two step job application pro~ cess for internal candidates	V				Internal candidate
	Upgraded LinkedIn social au~ thentication APIs	V				End user
	UI enhancements in job requisi~ tion and job offer	•				Recruiting admin Hiring manager Recruiter
	New fields on the job requisi~ tion wizard	v	Recruiting admin			Recruiting admin Hiring manager
Compensa~ tion	UI changes on budget distribu~ tion for managers	•	Compensa~ tion admin			Compensation admin Manager
	Compensation letter enhance~ ments	v				Compensation admin

Functional area	Feature	Enabled by default?*	Requires admin setup	Submit a Support ticket to enable	Affects existing configuration or data	Affected audience
	New settings to show hide compensation statements and letters		System ad~ min			System admin Compensation admin End user
	People Snapshot Manager	•				Compensation admin
	Approved status for plan cycle	•				Compensation admin Manager
	Usage of manager hierarchy snapshot	•				Compensation admin Manager
Talent	Position word changed to job in Career Planning	V				All
	Job family field on Search by Job popup	V				End user
	Keys to Success functionality in Career planning	v	System ad~ min			System admin Manager End user
	New setting to govern the Search by person functionality in Career Planning		System ad~ min			System admin End user
	N-box UI changes	v				All
	UI enhancements for Career planning	V				End user

Chapter

1

System

Topics:

- Core
- Data Integration
- Marketplace
- REST API
- Smart List / PR
- UI enhancements

Core

New settings for profile merge

How did it work?

While merging a secondary person profile into a primary profile, Saba Cloud did not merge the audience types and person number associated with the secondary profile.

How does it work now?

This update adds the following new settings to the **Profile Merge** page, which allow people administrators to merge the audience types and person number associated with the secondary profile into the primary profile:

Merge Audience Types and Sub Types

Select this checkbox to merge the audience types ans sub types associated with the secondary profile into the primary profile.

Swap Person Numbers

Select this checkbox to merge the person number associated with the secondary profile into the primary profile. However, since a person number is unique in the system, the number is not directly merged; instead, the person numbers of primary and secondary profiles are swapped with each other. This also provides the advantage where the person number is carry forwarded so that it is treated as a lifetime ID for the user.

Profile Merge			
Manage merging of Secondary profile	es into Primary ones.		
Primary Profile*		Q &	
Secondary Profile*		Q &	
Secondary Profile Person Status after merge.	-Select One- ▼		
Merge Settings			
Recalculate Completion Status for Certifications/Curriculum Merge Virtual And Blended Class Transcripts Merge Security Roles			
Merge Audience Type Swap Person Number			

Figure 1: New settings on Profile Merge page

Use case

While merging person profiles, organizations need additional settings that allow administrators to merge more person attributes and associations from the secondary to the primary profile.

Terms and Conditions field on the Sign Up page is configurable

How did it work?

The **Terms and Conditions** field on the Sign Up page was not configurable.

Saba Cloud		
riist Naille		
Last Name*		
Email*		
Time Zone * (GMT) Greenwich Mean Time : Dublin, Edinburgh, Lisbon, London \$		
Type the text Privacy & Terms California		
By clicking Sign Up, you agree to the Terms and Conditions		
SIGN UP		
Already have an account? Sign in		

Figure 2: Terms and Conditions text

How does it work now?

From this update, the **Terms and Conditions** field on the Sign Up page is made configurable by introducing a new field **Terms & Conditions URL** in the mircosite. The system admin must navigate to **System > Configure System > Microsites >** Click microsite name > **Configure branding** tab > **15. Terms & Conditions URL** field and enter a valid text and URL that includes the terms and conditions. The limit of this field is 512 characters.

13. Login Background Image CSS	
14. Mobile Assets	
Upload Zip File Choose File No file chosen Sample zip. Validate Download	
File URL: https://dqathdb1.sabacloud.com/production/athdb1/public/ATHDB1Site_deskt000000000001_MobileAssets.zip	
15. Terms & Conditions URL	
http://saba.com	
	Skip this step Reset Save

Figure 3: Terms & Conditions URL field in Microsite

To add an URL, you must use HTML tags. For example, *By clicking Sign Up, you agree to the Terms & Conditions*. The **Terms & Conditions** link will navigate the end user to the actual terms & conditions.

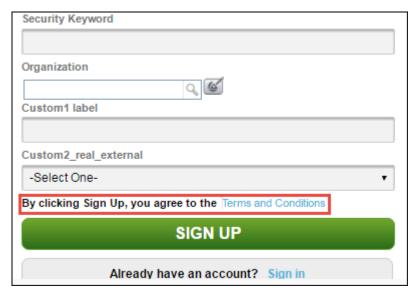


Figure 4: Terms & Conditions field on Sign Up page

Use case

The admin can now configure Terms and Conditions field on the Sign Up page by adding a text and an URL.

SMF enhancements

How did it work?

Prior to this update:

- The SMF Health Dashboard did not display the source job ID for jobs created by other jobs.
- There was no support to retry or delete multiple jobs simultaneously.
- If a triggered job action failed, then the consecutive actions are not executed and the job exited right there.
- When SMF jobs were automatically or manually retried or when jobs were reprocessed due to JET restart or when jobs were in-progress, users received duplicate emails.

How does it work now?

With this update, Saba Cloud provides the following SMF enhancements:

- Source Job ID
 - The **SMF Health Dashboard** to display the new **Source Job ID** column. However, this column is displayed only to Saba Cloud "admin" users; it is not displayed to system administrators. If the source ID is null for a job, then the column entry for the job is blank.
 - The **Source Job ID** is added as a job search criteria. This allows you to filter jobs based on the source job ID.

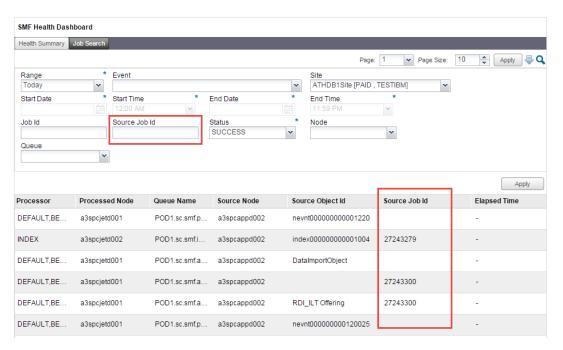


Figure 5: Source Job ID in SMF Health Dashboard

• Bulk Retry and Delete Jobs

Adds support to retry or delete multiple jobs simultaneously. Administrators can select multiple jobs by clicking the checkboxes besides the job IDs and then click either the **Retry** or **Delete** button as required.

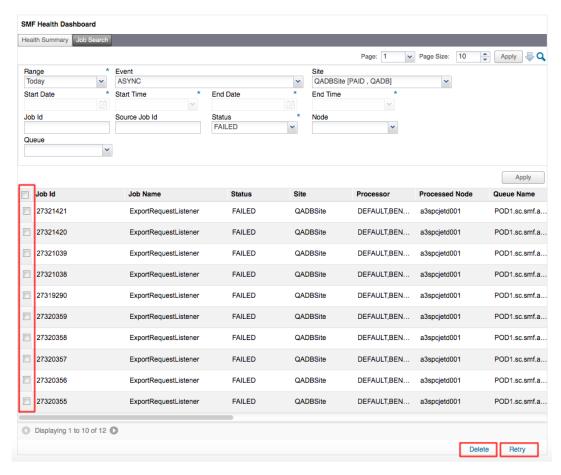


Figure 6: Retry or Delete Multiple Jobs Simultaneously

Exception Handling of Jobs with Multiple Actions

If a triggered job has multiple actions and if one action fails with an exception, then it does not affect remaining actions in the job; they now continue to execute. The job is marked failed if any action has failed, though.

Duplicate Notification Handling

For every unique job-action instance, all email addresses to whom emails are successfully sent are now cached. When the job is retried due to any reason, the cache is queried to check if the email notification is already sent. A new email is sent only if no email was sent earlier to the intended email address. This feature uses the memcache so that the data is remotely cached and not flushed due to restarts. This cache is refreshed to removed data for successful jobs and failed jobs that are more than 30 days old on restart.

Note: This cache is not cleared by the flush all REST API of TenantManagementService. It can be cleared individually.

Use case

An SMF job can be created by other parent jobs. Administrators need to search for jobs using the ID of a parent job and even view the parent job ID.

Support for Google Tag Manager

How did it work?

Prior to this update, Saba Cloud supported Google Analytics integration, which enabled administrators to configure their own Google Analytics account and access their own Google Analytics data.

How does it work now?

This update provides support for integrating *Google Tag Manager* with Saba Cloud. If enabled, administrators can manage tags (code snippets) for their sites using the Google Tag Manager.

To configure this integration, this update introduces a new setting and a new site-level property. To enable support for Google Tag Manager, system administrators must enable both.

New Setting

Google Tag Manager

Possible values: On or Off

- If enabled, then Saba Cloud supports the Google Tag Manager.
- If disabled, then Saba Cloud supports Google Analytics.

Default value: Off

To configure this setting, navigate to Admin > System > Configure System > Services > Google Analytics > Settings.

New Site-level Property for System administrators

Google Tag Manager

The Google Tag Manager code snippet that tracks all your tags. Copy the code snippet to this field. If the **Google Tag Manager** setting under **Google Analytics** service is enabled for a site, then Saba Cloud reads the code snippet from this property. If enabled, then system administrators can manage tags (code snippets) for the default site using the Google Tag Manager.

To access this property, navigate to **Admin > System > Configure System > Microsites >** *default_sitename* > **Site Properties > Web Variables**.

To manage tags using Google Tag Manager:

- 1. Go to tagmanager.google.com to create an account (or to access an existing account).
- **2.** Create a container for your site in the account.
- 3. Add the container snippet to your site in the Google Tag Manager property.

New Site-level Property for Saba Cloud "admin" users

Saba Google Tag Manager

The Google Tag Manager code snippet that tracks all Saba tags. Copy the code snippet to this field. If the **Google Tag Manager** setting under **Google Analytics** service is enabled for a site, then Saba Cloud reads the code snippet from this property. If enabled, then Saba administrators can manage tags (code snippets) for a Saba Cloud site using the Google Tag Manager.

To access this property, navigate to **System > Sites > <**sitename> > **Web Variables**.

Use case

It is cumbersome to maintain tags (code snippets) for different websites and manually add them to your sites. Instead, you can use a tag management solution such as the Google Tag Manager, which allows you to specify the tags that you want to fire, and when you want them to fire, from within the Tag Manager user interface. Tag Manager uses its own container tag that you can place on all your website pages.

New keyword for Webhook actions

How did it work?

N/A

How does it work now?

This update provides the capability to add a special keyword @**SOURCE_ID**@ to the Webhook URL or body. This keyword internally resolves to the source ID of the object that triggers the notification.

Note: This special keyword is not available from the **Keyword** dropdown for a Webhook action on the Saba Cloud UI; the keyword must be typed in.

Use case

There is a need to extend the Webhook event action to include more predefined keywords, which can be uses to define JSON for Webhook configuration.

Rich text support for extended custom fields

How did it work?

Extended custom fields for components in Saba Cloud support only 255 characters and were not able to store HTML/rich text

How does it work now?

This update enhances the extended custom fields for components to support 1024 characters so that HTML/rich text can be stored in them.

To change the data type, go to **System > Configure System > < service-name> > Components < component-name> > Attributes**, and select the **Rich Text** from the **Data Type** column for the required extended custom attributes.



Figure 7: New settings on Profile Merge page

Use case

There is a need to store HTML/rich text in extended custom fields for components.

Unique URL for search results

How did it work?

When users performed a search using the global search, Saba Cloud displayed the search results on a page that had a particular browser URL. Users could further narrow down the search results by applying various filters on the search results page. However, each applied filter would change the browser URL of the results page.

How does it work now?

With this update, Saba Cloud provides the ability to generate a unique browser URL for global search results.

To generate the unique URL:

- 1. Search for the required resource using global search.
- 2. Apply filters as required to narrow down your search results.
- Click the Generate URL link. Saba Cloud generates a unique URL based on the current filter conditions into the browser URL.

You can then copy this unique URL and use it as a bookmark or a reference link.

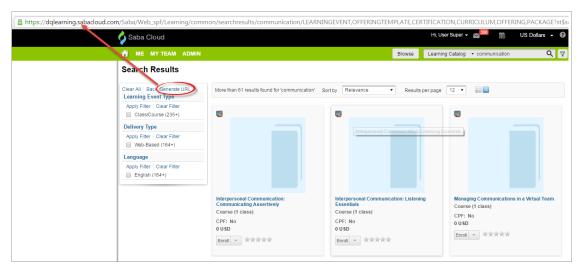


Figure 8: Generate unique browser URL for search results

Use case

The browser URL of the search results page must remain the same irrespective of the filters being applied to narrow down the results. This allows users to bookmark the URL or use it as a reference link consistently.

Dashboard level security to Benchmark module for Saba Cloud Mobile application

How did it work?

Saba Benchmark functionality in Saba Cloud Mobile Application enable the organizations to gain real-time visibility to make better decisions; leverage benchmarks to know where to focus; take quick actions to drive improvements; and attract, develop, and retain employees more effectively. In Benchmark, dashboards are provided specifically on learning, making the insights especially relevant for learning teams and leadership.

This feature is available for all the Saba Cloud customers with a limited set of initial dashboards. The data comes from completely anonymous, summary data observed in aggregate across Saba customers.

How does it work now?

From this update, each dashboard within the Benchmark tool will now be privilege based so that a security role can be configured to allow a user to see a subset of the available dashboards. The viewing privileges for the **Benchmarks** module in the mobile application will be set within Saba Cloud.

Note: To enable **Benchmarks** service, submit a support request. For assistance, contact your Customer Success Manager.

To enable the view privileges for dashboards:

- 1. Navigate to Admin > System > Manage Security > Security Roles.
- 2. Search for and click the **Benchmark Viewer** security role.
- 3. Search for System component.
- 4. Enable the following privileges. By default, this privileges are disabled.
 - a. View benchmark data: Allows the admin to view benchmark data in the available dashboards
 - b. View Learning Hours Dashboard Data: Allows the admin to view data in the Learning Hours Dashboard
 - c. View Utilization and Performance Dashboard Data: Allows the admin to view data in the Utilization and Performance Dashboard

5. Click Save.

The admin needs to navigate to **Admin** > **System** > **Manage Security** > **Security Roles** and search for the role titled Benchmark Viewer. You will want to validate that the necessary component has been enabled. Click the title to edit the security role.

Simple Security Role Details: Benchmark Viewer				
Security Role*	Benchmark Viewer			
_				
Description	View benchmark data			
Domain*	world Q			
Туре	Domain Based Criteria Based			
Components	People			
Component	System			
Component Privileges Print Export Modify Table				
Grant Access	Privilege			
	New			
	Edit			
	Delete			
	View			
	Is Super Instructor			
	Can Access Analytics Menu			
•	View benchmark data			
	Admin View			
	Can Update Page Text			
€	View Learning Hours Dashboard Data			
	View Utilization and Performance Dashboard Data			
	Can Do Bulk Import			

Figure 9: Privileges for Benchmark Viewer security role

Use case

While a Learning Admin should be able to view the benchmark data related to Learning, most companies will not want to give them access to benchmark data outside of their domain of expertise. This dashboard-level security allows those configurations to be possible.

New notification management UI

How did it work?

Saba Cloud did not provide a way of searching for all notification events in the system. To see any notification event, administrators had to navigate to the concerned service first and then see the associated notifications.

How does it work now?

With this update, Saba Cloud provides a new user interface (UI) for accessing all notification events in the system.

· Rest Based Notification

If set to "true", then the new Notifications UI is enabled. If set to "false", the new UI is not available.

To access the new UI for notifications, navigate to **System > Configure System > Notifications**. The **Notification Events** page appears.

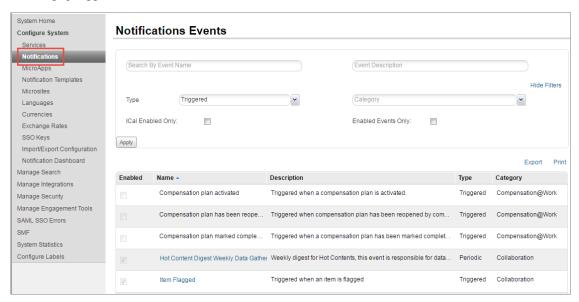


Figure 10: New UI for notifications

The **Notification Events** page allows system administrators to:

- Search for the required notification event using the event name and description. Once you start typing in these fields, matching strings are displayed in a dropdown for you to select.
- Use following advanced filters and click the **Apply** button to narrow down the search results:
 - Type
 - Category
 - iCal Enabled Only
 - Enabled Events Only
- Export the set of results by clicking the Export button.

Use case

A dedicated user interface to search for all notification events improves usability experience and reduces extra navigation efforts for administrators.

Data Integration

Enable new user creation notification for person data import

How did it work?

When new internal users were created in bulk in Saba Cloud using the person data import, Saba Cloud did not trigger a "welcome" notification for the newly-created users.

How does it work now?

This update introduces the NEW_USER_NOTIFICATION functionality in data import functional metadata for both, Person, Internal and Person, External objects. When this functionality is enabled, the application can use the following system-level triggered notification events for person creation via data import:

- Internal person created
- External person created

However, these system-level notification events and actions must be enabled and correctly configured for this functionality to work via data import.

Note: To enable the feature, submit a support request. For assistance, contact your Customer Success Manager.

Table 2: Configure NEW_USER_NOTIFICATION functionality

Functionality	Required	Description
NEW_USER_NOTIFICATION	Y or N	Y = Enabled
	Default value: N	$\mathbf{N} = \mathbf{Disabled}$

Example

The following query enables NEW_USER_NOTIFICATION functionality for "Person, Internal" object:

```
Update vet_functional_metadata
Set Required='Y'
Where object_name='Person, Internal'
And functionality='NEW_USER_NOTIFICATION';
```

Supported Objects

The NEW_USER_NOTIFICATION functionality is applicable **only** to the following objects:

- Person, Internal
- Person, External

Use case

New internal users in an organization, who are created in bulk via data import, should be able to receive a welcome notification email with instructions on accessing the application.

Search capability on import monitoring pages

How did it work?

Saba Cloud did not provide any ability to search for imports on the monitoring pages for both UI and scheduled imports.

How does it work now?

This update adds the following new search filters on the **Import Monitoring** pages for both UI and scheduled data imports:

Input File

Specify the name of the data import file.

· Object Name

Select the name of the imported object from the dropdown list.

Start Date >=

Specify a date. The search returns all imports that were processed after this date.

Start Date <=

Specify a date. The search returns all imports that were processed before this date.

Specify the values in the search filters and click the **Search** button. The results matching your criteria are displayed in the results table.

Import Monitoring Data Import Processes Monitoring **Data Import Process** Refresh Input File Object Name ~ Search TimeZone Start date **End Date** Input File Modified date Import Object Status 03/22/2016 6:17 AM 03/22/2016 6:17 AM Person, CPF.csv Person, CPF Initiated 03/14/2016 3:31 AM Person, Internal_Worl... Person, Internal Initiated 03/14/2016 3:31 AM

Figure 11: New search filters on Import Monitoring page

Use case

Administrators need to narrow down results on the import monitoring pages based on various criteria.

Import certain profile section data using person profile import

How did it work?

Person Profile data import did not import a person's profile data such as Flight Risk, Retirement Risk, Potential Rating, Languages, and so on through data import.

How does it work now?

With this update, Saba Cloud enhances the **Person Profile** data import object to import data of following person profile sections:

- Languages
- · Potential Jobs
- Relocation Preferences Option
- · Relocation Preferred Locations
- · Career Interests
- Professional Interests, which include:
 - Long-Term Aspirations
 - Near-Term Aspirations
- Succession Details, which include:
 - Flight Risk
 - · retirement Risk
 - · Potential Rating

To import this data, the following new fields are added to the **Person Profile** data import object:

Main Fields:

- FLIGHT_RISK
- RETIREMENT_RISK
- POTENTIAL_RATING
- RELOCATION_PREF_OPTION
- LONG_TERM_ASPIRATIONS
- LONG_TERM_ASPIR_TARGET_DT
- NEAR_TERM_ASPIRATIONS
- NEAR_TERM_ASPIR_TARGET_DT

Note: The data in these fields can only be updated and rows with these fields cannot be added or dropped/deleted.

Association Fields:

- LANGUAGE_NAME
- LANGUAGE_SPEAKING_LEVEL
- LANGUAGE_READING_LEVEL
- LANGUAGE_WRITING_LEVEL
- LANGUAGE NOTES
- POTENTIAL_JOB_NAME
- POTENTIAL_JOB_READINESS
- CAREER_INTERESTS_JOB_TITLE
- CAREER_INTERESTS_DESCRIPTION
- RELOCATION_PREF_LOCATION
- RELOCATION_PREF_DATE_AVAIL
- RELOCATION_PREF_ASSIGN_TYPE
- RELOCATION_PREF_LOC_COMMENTS
- Note: Multiple entries for multiple records can be provided in a row of the data file to import multiple associations. Associations fields can be extended up to as many as required.

Use case

There is a need to import the person profile section data in bulk using data import.

Import approval policy data for courses and classes

How did it work?

Saba Cloud did not support bulk import of approval policies for courses and classes using data import.

How does it work now?

With this update, Saba Cloud enhances the course and class data import objects to support import of approval workflow policy that has the following options:

- · Do not override domain/course level policy
- · No approval required

To implement this functionality, the MANAGER_APPROVAL_REQUIRED column is enhanced to support the following new values:

- For pre-defined approval flow: 11, 12, 13, 14, 15, 16
- For manual approval flow: 100

Additionally, following new columns are added:

- For offerings: MANAGER_APPROVAL_FLOW
- For courses: MGR_APPROVAL_FLOW

These columns are used only when the MANAGER_APPROVAL_REQUIRED column value is 100.

The following table describes the mapping of the new values between columns.

Table 3: Mapping of values between columns

MANAGER_APPROVAL_REQUIRED	Description	MANAGER_APPROVAL_FLOW / MGR_APPROVAL_FLOW
11	Only Manager Approval re~ quired	Not required
12	Manager OR Alternate Manager Approval Require	Not required
13	Only Profile Additional Approver's Approval is Re~ quired	Not required
14	Manager OR Profile Addi~ tional Approver's Approval is Required	Not required
15	Manager AND Profile Addi~ tional Approver's Approval is Required	Not required

MANAGER_APPROVAL_REQUIRED	Description	MANAGER_APPROVAL_FLOW / MGR_APPROVAL_FLOW
16	Approval Chain > Manager at level 1 and "2nd Level Manager" at Level 2	Not required
100	Create Approval Chain giv~ en in approval flow column	Required

Approval Flow String Syntax

START>LEVEL1[APPROVER_KEYWORD1 #OR#/#AND# APPROVER_KEYWORD2 #OR#/#AND# APPROVER_KEYWORDN] >LEVEL2[...]..LEVELn[...]>END

Where,

- String starts with "START>" and ends with ">END".
- Level start with "LEVEL" followed by Level_number; keywords must be placed between "[" and "]". For example: LEVEL1[KEYWORDS]
- Multiple keywords are separated by #OR# or #AND# as per requirement. For example, KEYWORD1 #OR# KEYWORD2
- The following keywords are available for approval flow string:
 - MANAGER
 - ALTERNATE_MANAGER
 - PROFILE_ADDITIONAL_APPROVER
 - 2ND_LEVEL_MANAGER
 - 3RD_LEVEL_MANAGER
 - SPECIFIC:<*PERSON_USERNAME*>

Example Strings

Table 4: Example Strings

MANAGER_APPROVAL_	Description	MANAGER_APPROVAL_FLOW / MGR_APPROVAL_FLOW
REQUIRED		
100	Only 2nd Level Manager	START>LEVEL1[2ND_LEVEL_MANAGER]>END
100	Manager or Spe~ cific User ABC	START>LEVEL1[MANAGER #OR# SPECIFIC:ABC]>END
100	Manager and Additional ap~ prover at level 1 and Specific Person ABC at level2	START>LEVEL1[MANAGER #AND# PROFILE_ADDITIONAL_AP~ PROVER]>LEVEL2[SPECIFIC:ABC]>END
100	Manager or al~ ternate manager at level1, addi~ tional approver and specific user ABC on level2, 3rd level man~ ager on level 3	START>LEVEL1[MANAGER #OR# ALTERNATE_MAN~ AGER]>LEVEL2[PROFILE_ADDITIONAL_APPROVER #AND# SPECIFIC:ABC]>LEVEL3[3RD_LEVEL_MANAGER]>END

Supported Objects

This enhancement affects the following objects:

- Offering Template (Course)
- ILT Offering
- · WBT Offering

Use case

There is a need to support bulk import of approval policies for courses and classes using data import.

Record-level selective deletion of associations using data import

How did it work?

Saba Cloud provided the ability to delete object associations at record level using data import for certain objects. However, this ability was not available for certain other objects like Organization, Job Type, Location, and so on. To delete associations of these remaining objects, users required the intervention of Saba Cloud administrators, who would then configure the functional metadata of the specific association configured for that object.

How does it work now?

Saba Cloud allows system administrators to delete object associations at record level using data import for the following objects:

- · Organization, Internal
- · Organization, External
- Job Type
- Location
- Job Role
- Person Profile

System administrators can selectively remove or remove all existing associations of records from these objects as follows:

DELETE_ prefix (Delete specific association of a record)

To support deletion of specific association, system administrators must add association with DELETE < ASSOCIATION COLUMN > prefix in header and pass corresponding values in the data file. It also supports "N" number of association deletion with a number suffix.

For example, when the import encounters the following record for association of attachments in "Organization, Internal" object, it processes deletion first, deleting doc3 and doc4 attachments passed under DELETE_ATTACHMENT_NAME1|DELETE_ATTACHMENT_NAME2 and then associates doc1 and doc2 passed under ATTACHMENT_NAME1|ATTACHMENT_NAME2 for the specific record. The sequence number for add and delete actions is independent of each other.

ATTACHMENT NAME1 | ATTACHMENT NAME2 | DELETE ATTACHMENT NAME1 | DELETE ATTACHMENT NAME2 doc1 | doc2 | doc3 | doc4

Note: For the new record-level delete feature to work, the object-level delete functionality DROP EXISTING <association> (e.g.; DROP EXISTING ATTACHMENT NAME) must be OFF (add association cumulatively, which is the default setting). If this functionality is ON, then it takes precedence and all associations are deleted (current behavior).

DELETE ALL prefix (Delete all existing associations of a specific type of record)

To support deletion of all existing associations of a specific type of record, system administrators must add association with DELETE ALL <ASSOCIATION COLUMN> prefix in header and pass corresponding values in the data file. When the import process encounters "yes" in this column, all associations are processed for deletion. Records with Null and other values are not affected.

For example, when the import encounters the following record for association, it processes deletion first, deleting all existing attachment associations and then associates doc1 passed under ATTACHMENT NAME1 for the specific record.

```
ATTACHMENT_NAME1 | DELETE_ALL_ATTACHMENT_NAME
doc1|yes
```

Note: For this option, the numeric suffix is not required and the association column as per template (for grouped association columns) must be placed in the file first. For example, in case of attachment association:

```
ADD attachment association to the organization: ATTACHMENT_NAME1 DOMAIN1
DELETE attachment association from the organization :
DELETE_ATTACHMENT_NAME1 | DELETE_DOMAIN1
DELETE ALL attachment association for the organization record :
DELETE ALL ATTACHMENT NAME
```

Use case

There is a need to allow users to selectively remove or remove all existing associations of records in data import objects without the need to contact Saba Cloud administrators.

Display CLOB data in import logs

How did it work?

The import log files in Saba Cloud did not display CLOB (Character Large Object) data; instead, it displayed a reference value for such data.

How does it work now?

With this update, the data import log files in Saba Cloud can now display CLOB (Character Large Object) data up to a limit of 255 characters. If the data is larger than 255 characters, then the data is truncated in the log file and it ends with a symbolic string . . . (truncated).

The CLOB data in import log files is displayed using has the following pattern:

```
<data>...(truncated)
```

Use case

Administrators need to see large data such as CLOB data type in data import log files. For large data that exceeds a pre-defined limit, the log file must indicate the truncation beyond the limit.

Support to change unique ID for Transcript, Ad hoc Transcript and Person Profile imports

How did it work?

Transcript, Ad hoc Transcript and Person Profile data imports do not provide an option to configure or change their unique IDs. To make any changes to the unique IDs for these objects, users had to contact Saba Cloud operations, who would execute scripts on the database server to update the unique ID configurations.

How does it work now?

This update provides support to change the unique IDs for Transcript, Ad hoc Transcript and Person Profile data import objects from the Saba Cloud UI. Note that all remaining data import objects in Saba Cloud already have this support.

The following unique IDs can be changed for these data import objects:

Person Profile

- USERNAME
- PERSON_NO
- EMAIL
- SS_NO

Transcript

- LEARNER, OFFERING
- LEARNER, OFFERING, START_DATE
- Any custom field from CUSTOM0 to CUSTOM9
 - Note: If a custom field is selected as a part of a unique ID, then by default, it is a combination of CUSTOM%, LEARNER, OFFERING.

· Ad hoc Transcript

• LEARNER, COURSE, COMPLETION_DATE

Any custom field from CUSTOM0 to CUSTOM9

Note: If a custom field is selected as a part of a unique ID, then by default, it is a combination of CUSTOM%, LEARNER, COURSE. Course always considers the course version.

Use case

User need the ability to configure unique IDs of data import objects in Saba Cloud without the need to contact the Cloud operations team.

Changes to ILT/WBT class and course data imports

How did it work?

Certain fields for ILT/WBT classes and courses on the Saba Cloud UI did not sync with the corresponding objects used for bulk data import.

How does it work now?

This update introduces certain changes to the ILT/WBT class and course data imports by adding certain new columns and removing some other so that they sync with the corresponding fields displayed on the Saba Cloud UI.

The following table indicates the changes to the data import XLS and CSV files:

Table 5: Data import changes

Object Name	Columns Added	Columns Removed
Offering Template (Course)	SHOWBEST_ATTEMPT_SCORE	N/A
WBT Offering	• SHOWBEST_ATTEMPT_SCORE • ACTIVITY_SEQ	RECURRING_REG_OPTION RECURRING_REG_TYPE
ILT Offering	SHOWBEST_ATTEMPT_SCORE	RECURRING_REG_OPTION RECURRING_REG_TYPE

The new columns added are described as follows:

- SHOWBEST_ATTEMPT_SCORE The "Show Best Attempt Score on Learner Transcript" policy for classes and courses. This column supports True and False values.
- ACTIVITY_SEQ Indicates the sequence of learning activities in a WBT class.

Use case

The columns in data import objects need to sync with the corresponding fields available on the Saba Cloud UI.

Changes to certification and curricula data imports

How did it work?

Certain fields for certification and curricula on the Saba Cloud UI did not sync with the corresponding objects used for bulk data import.

How does it work now?

This update introduces changes to the certification and curricula data imports by adding certain new columns and removing some others so that they sync with the corresponding fields displayed on the Saba Cloud UI.

The following table indicates the changes to the data import XLS and CSV files:

Table 6: Data import changes

Object Name	Columns Added	Columns Removed
Certification Curriculum	 VENDOR IS_FEATURED ONE_CLICK_REG CONTINUOUS_LAUNCH Association columns: KEYWORD FOLDER 	 OMIT_OFFERING_SEL REG_FOR_IND_ITEMS ENFORCE_PRG_REG

Use case

The columns in data import objects need to sync with the corresponding fields available on the Saba Cloud UI.

Bulk import ability for learning, HR and people administrators

How did it work?

Saba Cloud allowed only system administrators to import bulk data for all objects in the system. Many of these objects were actually managed by other administrators such as learning, HR and people administrators. However, these administrators did not have any option to directly import such objects and had to rely on the system administrator.

How does it work now?

With this update, Saba Cloud now provides learning, HR and people administrators the ability to bulk import objects in their respective areas. They can bulk import objects from the respective pages in Saba Cloud. For example, a learning administrator can bulk import classes from the **Classes** page, or an HR administrator can import held skills of learners from the **Skills** page.

A new bulk import icon is available on such pages. Administrators can click this icon to open the **Bulk Import** popup window. They can upload a file, monitor the import and view history of the files uploaded by them.

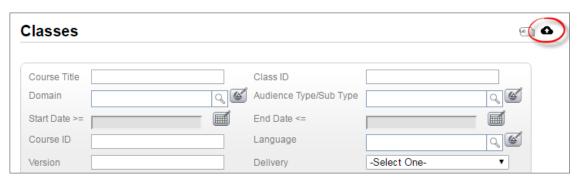


Figure 12: Bulk import icon

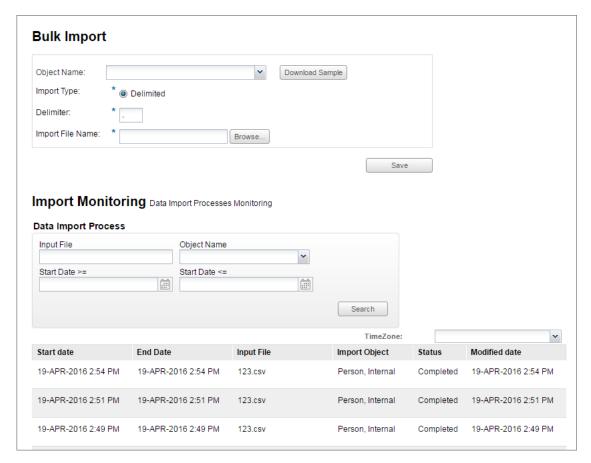


Figure 13: Bulk Import for other administrators

Table 7: Bulk import of objects

Role	Page	Object
Learning Admin	Learning Catalog	CoursesCertificationsCurricula
	Audience Types	Audience Types
	Price Lists	Price lists

Role	Page	Object
	Session Templates	Session Templates
	Checklists	Checklists
	Classes	ILT/WBT/Blended/Virtual classes
	Resources	LocationsFacilityRoomsEquipmentInventory
	Training Unit	Training Units
	Purchase Order	Purchase Order
People Admin	Internal People	Internal People
	External People	External People
	Enrollments	Registrations
	Certifications	Learner Certifications
	Curricula	Learner Curricula
	Skills	Held Skills
	Completed Courses	Transcripts
	Purchase Orders	Purchase Orders
HR Admin	Internal Organization	Internal Organizations
	External Organization	External Organizations
	Skills	Skills
	Jobs	 Job Families Job Types Job Roles
	Goal Library	Goals
	Locations & Facilities	Locations Facilities

Use case

Administrators other than the system administrator need the ability to bulk import objects in their respective areas.

Marketplace

Picker to select username and the audience type while configuring a MicroApp

How did it work?

While configuring a MicroApp (under **Marketplace** > **MicroApps**), the user was required to know the username and the audience type as they were text fields.

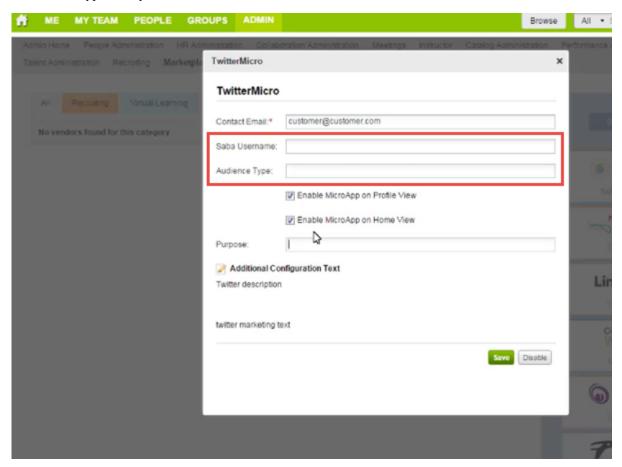


Figure 14: Text field for username and audience type

How does it work now?

The username and the audience type are now pickers. The user can now select the appropriate username and the audience type for a MicroApp.

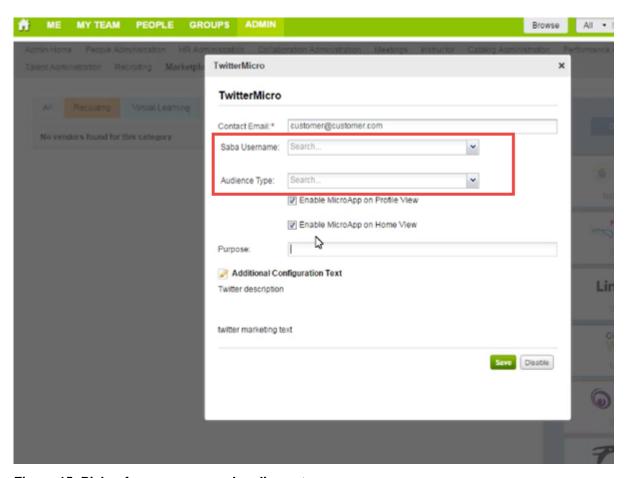


Figure 15: Picker for username and audience type

Use case

The username and the audience type were text fields making its cumbersome to determine the username and the audience type before using it.

OAuth authentication support for Adobe eSign integration

How did it work?

Adobe eSign (previously called "EchoSign") integration with Saba Cloud marketplace was secured with a access-based authentication mechanism.

How does it work now?

This update enhances the security for Adobe eSign integration with Saba Cloud marketplace by adding OAuth authentication support.

Before you integrate Adobe eSign using OAuth authentication with Saba Cloud marketplace, you must Obtain OAuth 2.0 credentials from Adobe console as follows:

- Sign in to Adobe Document Cloud account by visiting the Adobe site https://acrobat.adobe.com/us/en/documents/integrations.html. Ensure that the account is a Developer edition account.
- 2. Create an application of the type Partner.
- **3.** Obtain OAuth 2.0 credentials such as client ID, client secret, and redirect URL. The same client ID, client secret and redirect URL must be configured in Saba Cloud marketplace.

To configure integration between Adobe eSign with OAuth security and Saba Cloud marketplace:

- 1. Specify the Adobe eSign account information, which includes the client ID ,client secret and redirect URL obtained from Adobe.
- 2. Select one more values in **eSign OAuth Scope** parameters. By default, all scopes are selected. The eSign OAuth Scope variable parameter controls the set of resources and operations that an access token permits.

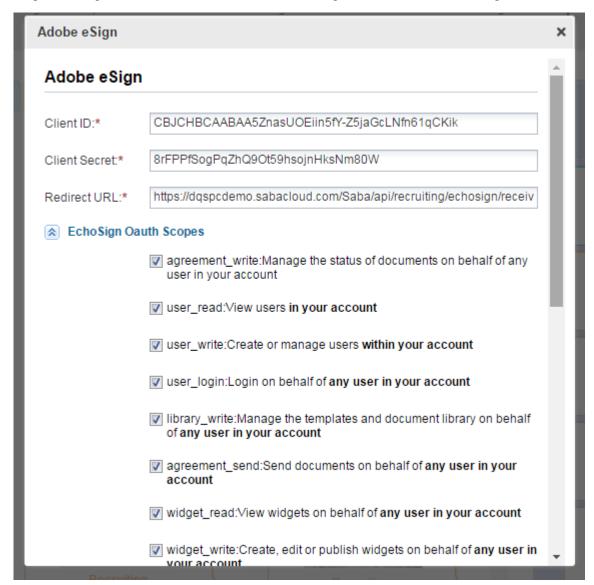


Figure 16: Adobe eSign OAuth Scopes

- 3. Click the Save button.
- **4.** Click the **Configure OAuth** button. This procures the access token from the Adobe eSign Server and saves it. A single access token can grant varying degrees of access to multiple APIs.

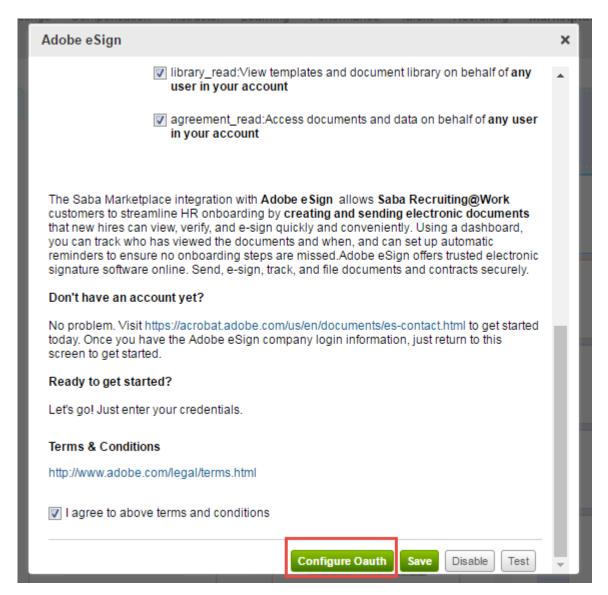


Figure 17: Adobe eSign OAuth configuration

5. Click the **Test** button. The test succeeds if the access token is generated correctly.

The access token is used by APIs in Saba Cloud Recruiting for authenticating the user data. For example, if a document is uploaded, then the access token retrieved during eSign integration with marketplace is used and then the request is sent to eSign.

Use case

There is a need to provide enhanced security using "OAUTH" authentication mechanism for integrating Adobe eSign with Saba Cloud marketplace.

REST API

Updated REST APIs

Create a new training unit agreement using the Invoice Me payment method

How did it work?

The CREATE A NEW TRAINING UNIT AGREEMENT REST API only supported the paypal and credit card as the payment methods.

How does it work now?

The CREATE A NEW TRAINING UNIT AGREEMENT REST API now supports the Invoice Me payment method using the new **invoiceRequest** parameter.

Overview

Allows creating a new training unit agreement.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/tuagreement

Calling Options

Table 8: Calling Options

Name	Description	Sample Value	Data Type	Required?
owner_id	Organization for Training Unit Agreement	{"id": "cnpy000000000000000000000000000000000000	string	Yes
order_contact	Order contact for Training Unit Agreement	{"id": "per~ sn000000000200327","dis~ playName": "aaa"}"	string	No

Name	Description	Sample Value	Data Type	Required?
expiration_date	Expiration date for Training Unit Agreement		string	No
trainingunit_id	Trainingunit for Training Unit Agreement	{"id": "tun~ it000000000001020","dis~ playName": "Train~ ing_unit_1"}	string	Yes
no_unit	No of units for Training Unit Agreement	1	string	Yes
currency	Currency	{"id": "cms/0000000000001";"ds~ playName": "US Dol~ lars"}	string	Yes
paymentType	Payment Type for Training Unit Agreement Note: Acceptable val~ ues: creditCard paypal invoiceMe	creditCard	string	Yes
paymentTransactionId	Payment Transaction ID for Training Unit Agreement	axxccssxx1001	string	No
invoiceRequest	Payment using InvoiceMe for Training Unit Agreement	{"details":"Payment by invoice","cus~ tom0":"abc","cus~ tom1":"def","cus~ tom2":"Ok","cus~ tom9":"9th"}	string	No

Request Body

```
"custom3": "3",
   "custom4":"4"
   "custom5":"5"
   "custom6":"6",
   "custom7":"7"
   "custom8": "8",
   "custom9":"9"
"trainingunit_id":{
   "id": "tunit00000000001401"
```

Return Values

```
"id": "tutpo0000000001407",
 "displayName": null,
 "href":
"http://<hostname-api.sabacloud.com>/v1/tuagreement/tutpo00000000001407"
```

Note: For more details on this see REST API Reference.

Use case

This enhancement provides additional payment options for creating training unit agreements.

Manager can now grant certification/curriculum to a learner

How did it work?

The GRANT CERTIFICATION/CURRICULUM TO A LEARNER REST API only allowed the People Admin to grant certification/curriculum to a learner.

How does it work now?

The GRANT CERTIFICATION/CURRICULUM TO A LEARNER REST API now allows the following to grant certification/curriculum to a learner:

- Manager
- Alternate manager
- · Position manager
- · People admin
- Group admin Only Organization base (Criteria base cannot)

Overview

Allows the manager, alternate manager, position manager, people admin or group admin to grant certification/curriculum to a learner. The status of such granted certification/curriculum will be shown as acquired for that learner.

Note: To grant an already assigned certification the suppressWarning flag should be true.

Requires OAuth

No

Method

POST

URL

http://<hostname-api.sabacloud.com>/v1/learning/heldlearningevent/:cert_curr_Id/person?action=grant

Using the suppressWarning flag:

http://<hostname-api.sabacloud.com>/v1/learning/heldlearningevent/:cert_curr_Id/person?action=grant&suppressWarning=true

Calling Options

Table 9: Calling Options

Name	Description	Sample Value	Data Type	Required?
cert_curr_Id	Certification/Curriculum ID	crt~ fy000000000200360	string	Yes
@type	Input detail type	com.saba.rest.busi~ nesscompon~ ent.dto.CertCurrActiv~ ityDTO	string	Yes
acquiredOn	Date on which the certifica~ tion/curriculum was acquired		string	Yes
expiredOn	Date on which the certifica~tion expires. Note: Only applicable for certification.			No
assignee	Assignee	{ "@type": "com.saba.rest.ser~ vice.RESTServiceOb~ jectReference", "id": "em~ plo0000000000206652", "displayName": "Shu~ chi Lau" }		,



Note: For more details on this see REST API Reference.

Use case

This enhancement syncs the APIs functionality with the functionality that the UI provides.

Assign, retrieve or remove an owner of a Facility

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as an owner of a Facility:

- CREATE A NEW FACILITY
- UPDATE THE DETAILS OF A FACILITY
- GET THE DETAILS OF A PARTICULAR FACILITY

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as an owner of a Facility:

- CREATE A NEW FACILITY
- UPDATE THE DETAILS OF A FACILITY
- GET THE DETAILS OF A PARTICULAR FACILITY

CREATE A NEW FACILITY

Overview

Allows creating a new facility.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/facility/

Calling Options

Table 10: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	The name of the facility	Facility 123	string	Yes
enabled	Whether the facility is en~ abled (true or false)	true	string	No
securityDomain	The domain for the facility. Supports lookup (Domain).	{ "id": "dom~ ir000000000001", "name": "world" }	string	Yes
contact_name	The contact person's name for the facility	UONE	string	Yes
facility_no	The number of the facility	00200121	string	No
corporate_no	The corporate number of the facility	78787676	string	No

Name	Description	Sample Value	Data Type	Required?
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
address3	Address 3	add3	string	No
city	City	Indore	string	No
state	State	MP	string	No
country	Country	India	string	No
zip	Zip	112233	string	No
contact_phone	Contact phone	123456789	string	No
contact_phone2	Contact phone 2	12345	string	No
Contact Email	Contact email	abc@gmail.com	string	No
contact_fax	Contact fax	12345	string	No
location_id	Location's ID Supports lookup (Location).	locat000000000200121	string	No
customValues	Custom fields		string	No
locale	Locale		string	No
associations	Map of associations object detail Note: Only owner can be passed as the association object. Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing association data.	{"owner": [{"id": "em~ plo000000000200091","dis~ playName": "test user"}]}	string	

Request Body

```
{
  "name": "Domain_USSupport_facilityen_US REST Test 101",
  "location_id": {
    "id": "locat00000000200210",
    "displayName": "Domain_USSupport_locationen_US",
    "loc_no": "001000"
},
  "state": "kerela",
```

```
"country": "",
"corporate_no": "",
"facility_no": "00200030",
"enabled": true,
"contact_name": "UONE",
"zip": "",
"city": "Bombay",
"contact_email": "saba@saba.com",
"contact_phone": "022323232en_US",
"contact_fax": "2344422en_US",
"addr1": "add1en_US",
"addr2": "add2en_US",
"customValues": {
 "custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
 "custom6": null,
 "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
"securityDomain": {
 "id": "domin00000000201404",
 "displayName": "Domain_USSupport"
"associations": {
 "owner": [{
  "id": "emplo000000000200091",
  "displayName": "test user"
}]
```

UPDATE THE DETAILS OF A FACILITY

Overview

Allows updating an existing facility based on the Facility's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/facility/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the facility_no instead of the internal Facility's ID.

https://<hostname-api.sabacloud.com>/v1/facility/facility_no%3D<FacilityNo>

Calling Options

Table 11: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Facility's ID		string	Yes
name	The name of the facility	Facility 123	string	Yes
enabled	Whether the facility is en~ abled (true or false)	true	string	No
securityDomain	The domain for the facility Supports lookup (Domain).	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
contact_name	The contact person's name for the facility	UONE	string	Yes
facility_no	The number of the facility	00200121	string	No
corporate_no	The corporate number of the facility	78787676	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
address3	address3	add3	string	No
city	City	Indore	string	No
state	State	MP	string	No
country	Country	India	string	No
zip	Zip	112233	string	No
contact_phone	Contact phone	123456789	string	No
contact_phone2	Contact phone 2	12345	string	No
contact_email	Contact email	abc@gmail.com	string	No
contact_fax	Contact fax	12345	string	No
location_id	Location's ID Supports lookup (Location).	locat000000000200121	string	No

Name	Description	Sample Value	Data Type	Required?
customValues	Custom fields		string	No
locale	Locale		string	No
associations	Map of associations object detail Note: Only owner can be passed as the associ~ ation object.	{"owner": [{"id": "em~ plo00000000200091","dis~ playName": "test user"}]}	string	No

Request Body

```
"name": "Domain_USSupport_facilityen_US REST Test 101",
  "location_id": {
  "id": "locat00000000200210",
   "displayName": "Domain_USSupport_locationen_US",
   "loc_no": "001000"
  },
  "state": "kerela",
  "country": "",
  "corporate_no": "",
  "facility_no": "00200030",
  "enabled": true,
  "contact_name": "UONE",
  "zip": "",
  "city": "Bombay",
  "contact_email": "saba@saba.com",
  "contact phone": "022323232en US",
  "contact_fax": "2344422en_US",
  "addr1": "add1en_US",
  "addr2": "add2en_US",
  "customValues": {
   "custom1": null,
   "custom2": null,
   "custom3": null,
   "custom4": null,
   "custom5": null,
   "custom6": null,
   "custom7": null,
   "custom8": null,
   "custom9": null,
   "custom0": null
  "securityDomain": {
   "id": "domin000000000201404",
   "displayName": "Domain_USSupport"
  "associations": {
   "owner": [{
    "id": "emplo000000000200091",
}}
    "displayName": "test user"
```

Note: To remove the owner association details, use the PUT operation.

GET THE DETAILS OF A PARTICULAR FACILITY

Overview

Returns complete information about a facility based on the Facility's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/facility/:id



Note: Use ?includeassociation=true to retrieve the association details (such as owner) as well:

https://<hostname-api.sabacloud.com>/v1/facility/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the facility_no instead of the internal Facility's ID.

https://<hostname-api.sabacloud.com>/v1/facility/facility_no%3D<FacilityNo>?includeassociation=true

Calling Options

Table 12: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Facility's ID		string	Yes

Return Values

```
"id": " fclty00000000200082",
           "name": "facility 1",
"location_id": {
 "id": "locat00000000200210",
 "displayName": "Domain_USSupport_locationen_US",
 "loc_no": "001000"
"state": "kerela",
"country": "",
"corporate_no": "",
"facility_no": "00200030",
"enabled": true,
"contact_name": "UONE",
"zip": "",
"city": "Bombay",
"contact_email": "saba@saba.com",
"contact_phone": "022323232en_US",
"contact_fax": "2344422en_US",
"addr1": "add1en_US",
```

```
"addr2": "add2en US",
"customValues": {
"custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
 "custom6": null,
 "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
"securityDomain": {
"id": "domin00000000201404",
 "displayName": "Domain_USSupport"
"associations": {
 "owner": [{
 "id": "emplo000000000200091",
  "displayName": "test user"
}]
```

Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.

Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Facility REST APIs more flexible.

Assign, retrieve or remove an owner of a Location

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as an owner of a Location:

- CREATE A NEW LOCATION
- UPDATE THE DETAILS OF A LOCATION
- GET THE DETAILS OF A PARTICULAR LOCATION

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as an owner of a Location:

- CREATE A NEW LOCATION
- UPDATE THE DETAILS OF A LOCATION
- GET THE DETAILS OF A PARTICULAR LOCATION

CREATE A NEW LOCATION

Overview

Allows creating a new location.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/location/

Calling Options

Table 13: Calling Options

Name	Description	Sample Value	Data Type	Required?
loc_name	The location name	location101	string	Yes
contact_id	Contact's ID		string	No
locale	Locale		string	No
state	State	state1	string	No
securityDomain	Security Domain	{ "id": "dom~ in00000000001", "name": "world" }	string	Yes
city	City	city1	string	No
dept_id	Department's ID		string	No
customValues	Custom Values		string	No
homephone	Home phone	12345	string	No
workphone	Work phone	22334455	string	No
enabled	Enabled	false	string	No
zip	Zip	1234	string	No
fax	Fax	556677	string	No
country	Country	entry1	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No

Name	Description	Sample Value	Data Type	Required?
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
loc_no	Location number	0987	string	No
timezone_id	Timezone's ID	{ "id": "txme00000000042", "dis~ playName": "(GMT+05:30) Chennai, Kolkata, Mum~ bai, New Del~ hi" }	string	Yes
associations	Map of associations object detail Note: Only owner can be passed as the association object. Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing association data.	{"owner": [{"id": "em~ plo0000000000000091","dis~ playName": "test user"}]}	string	No

Request Body

```
{
  "state": "state1",
  "country": "",
  "enabled": true,
  "loc_name": "Location_with_loacle REST TEST 102",
  "city": "",
  "zip": "",
  "timezone_id": {
    "id": "tzone00000000000005",
    "displayName": "(GMT-08:00) Pacific Time (US & Canada), Tijuana"
},
  "loc_no": "LOCATION_WITH_LOACLE",
  "dept_id": ": {
    "id": " bisut000000000200170",
    "displayName": "company1"
},
  "addr1": "address1",
  "addr2": "address1",
  "phone1": "",
  "phone2": "",
```

```
"contact_id": {
 "id": "emplo000000000200091",
 "displayName": "test user"
"phone1": "",
"phone2": "",
"email": "",
"fax": "",
"customValues": {
"custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
 "custom6": null,
 "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
"securityDomain": {
"id": "domin000000000000001",
 "displayName": "world"
   "associations": {
 "owner": [
   "id": "emplo0000000000200091",
   "displayName": "test user"
]
```

UPDATE THE DETAILS OF A LOCATION

Overview

Allows updating an existing location based on the Location's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/location/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the loc_no instead of the internal Location's ID.

 $https://< \textit{hostname-api.sabacloud.com} > / v1/location/loc_no\% 3D < \textit{LocationNo} > ? include association = true + v1/location/loc_no\% 3D < \textit{LocationNo} > ? include association = true + v1/location/loc_no\% 3D < \textit{LocationNo} > ? include association = true + v1/location/loc_no\% 3D < \textit{LocationNo} > ? include association = true + v1/location/loc_no\% 3D < v1/location/$

Calling Options

Table 14: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Location's ID		string	Yes
loc_name	The location name	location101	string	Yes
contact_id	Contact's ID		string	No
locale	Locale		string	No
state	State	state1	string	No
securityDomain	Security Domain	{"id": "dom~ in000000000001", "name": "world"}	string	Yes
city	City	city1	string	No
dept_id	Department's ID		string	No
customValues	Custom Values		string	No
homephone	Home phone	12345	string	No
workphone	Work phone	22334455	string	No
enabled	Enabled	false	string	No
zip	Zip	1234	string	No
fax	Fax	556677	string	No
country	Country	cntry1	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
loc_no	Location number	0987	string	No

Name	Description	Sample Value	Data Type	Required?
timezone_id	Timezone's ID	{ "id": "tane00000000002", "dis~ playName": "(GMT+05:30) Chennai, Kolkata, Mum~ bai, New Del~ hi" }	string	Yes
associations	Map of associations object detail Note: Only owner can be passed as the association object.	{"owner": [{"id": "em~ plo00000000200091","dis~ playName": "test user"}]}	string	No

Request Body

```
"state": "state1",
"country": "",
"enabled": true,
"loc_name": "Location_with_loacle REST TEST 102",
"city": "",
"zip": "",
"timezone_id": {
 "id": "tzone000000000000005",
 "displayName": "(GMT-08:00) Pacific Time (US & Canada), Tijuana"
"loc_no": "LOCATION_WITH_LOACLE",
"dept_id": ": {
 "id": " bisut00000000200170",
 "displayName": "company1"
"addr1": "address1",
"addr2": "address1",
"phone1": "",
"phone2": "",
"contact_id": {
 "id": "emplo000000000200091",
 "displayName": "test user"
},
"phone1": "",
"phone2": "",
"email": "",
"fax": "",
"customValues": {
 "custom1": null,
 "custom2": null,
 "custom3": null,
```

```
"custom4": null,
"custom5": null,
 "custom6": null,
 "custom7": null,
"custom8": null,
"custom9": null,
 "custom0": null
"securityDomain": {
"id": "domin000000000000001",
 "displayName": "world"
  "associations": {
"owner": [
   "id": "emplo000000000200091",
   "displayName": "test user"
```

Note: To remove the owner association details, use the PUT operation.

GET THE DETAILS OF A PARTICULAR LOCATION

Overview

Returns complete information about a location based on the Location's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/location/:id



Note: Use ?includeassociation=true to retrieve the association details (such as owner) as well:

https://<hostname-api.sabacloud.com>/v1/location/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the loc_no instead of the internal Location's ID.

https://<hostname-api.sabacloud.com>/v1/location/loc_no%3D<LocationNo>?includeassociation=true

Calling Options

Table 15: Calling Options

Nan	ne	Description	Sample Value	Data Type	Required?
id		Location ID	locat000000000200263	string	Yes

Return Values

```
{ "id":" locat00000000200300",
            "state": "state1",
 "country": "",
 "enabled": true,
 "loc_name": "Location_with_loacle REST TEST 102",
 "city": "",
 "zip": "",
 "timezone_id": {
 "id": "tzone000000000000005",
 "displayName": "(GMT-08:00) Pacific Time (US & Canada), Tijuana"
 "loc_no": "LOCATION_WITH_LOACLE",
 "dept_id": ": {
 "id": " bisut00000000200170",
 "displayName": "company1"
 "addr1": "address1",
 "addr2": "address1",
 "phone1": "",
 "phone2": "",
 "contact_id": {
 "id": "emplo000000000200091",
 "displayName": "test user"
 "phone1": "",
 "phone2": "",
 "email": "",
 "fax": "",
 "customValues": {
 "custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
 "custom6": null,
  "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
 "securityDomain": {
 "id": "domin000000000000001",
  "displayName": "world"
   "associations": {
  "owner": [
    "id": "emplo000000000200091",
    "displayName": "test user"
 ]
```

- Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.
- Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Location REST APIs more flexible.

Assign, retrieve or remove associations of a Job Role

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as Learning Event (Course / Certification / Curriculum), Skill, Owner, Checklist, Continue Education of a Role:

- CREATE A NEW ROLE
- UPDATE THE DETAILS OF A ROLE
- GET THE DETAILS OF A PARTICULAR ROLE

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as Learning Event (Course / Certification / Curriculum), Skill, Owner, Checklist, Continue Education of a Role:

- CREATE A NEW ROLE
- UPDATE THE DETAILS OF A ROLE
- GET THE DETAILS OF A PARTICULAR ROLE

CREATE A NEW ROLE

Overview

Allows creating a new job role.

Method

POST

Requires OAuth

No

URL

https://<hostname-api.sabacloud.com>/v1/role

Calling Options

Table 16: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	The name of the role	EngineerRoleTech20	string	Yes
description	The short description about the job role	EngineerRo~ leTech20description	string	No

Name	Description	Sample Value	Data Type	Required?
securityDomain	The domain for the role	{ "id": "dom~ ir0000000000001", "name": "world" }	string	Yes
customValues	Custom Values		string	No
associations	Map of associations object detail Note: You can the following as the association object: Learning Event (Course/Certification/Curriculum) Note: Supports lookup (Course, Certification, Curriculum). Skill Note: Supports lookup (Competency). Note: Supports lookup (Competency). Note: Supports lookup (Person). If the logged in person is internal then only the internal users can be associated. Similaling arly, if the logged in person is external users can be associated. Checklist	{ \"owner\":[{ \"id\":\"em~ plo00000000000001000\", \"display~ Name\":\"testowner\" }], \"checklist\":[{ \"id\":\"ch~ klt0000000000002023\", \"displayName\":\"test~ checklist\" } \n], \"learningevent\":[{ \"isRequired\":true, \"displayName\":\"test~ course\", \"i'd\"\"course\"\", \"version\":\"1.1\" }], \"continueeduca~ tion\":[{ \"id\"\"aph00000000160\", \"displayName\":\"test~ plan\" }], \"skill\":[{ \"minimumRe~ quired\":\"Average\", \"display~ Name\":\"Automa~ tionTesting\", \"id\"\"comp000000001106\" }] }	string	No

Name	Description	Sample Value	Data Type	Required?
	Note: Sup~ ports lookup (Checklist).			
	• Continue Educa~ tion Note: Sup~ ports lookup (CEPlan).			
	Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing association data.			

Request Body

```
"name" : "testRole",
  "description" : "test role",
  "associations":{
   "owner": [
  "id": "emplo000000000001000",
 "displayName": "test owner"
 }
1,
"checklist": [
 "displayName": "test checklist"
 }
],
"learningevent": [
  "isRequired": true,
  "displayName": "test course",
  "id": "cours00000000200029",
  "type": "Course",
  "version": "1.1"
 }
],
"continueeducation": [
  "id": "cepln000000000001160",
  "displayName": "test plan"
 }
],
"skill": [
  "minimumRequired": "Average",
  "displayName": "Automation Testing",
  "id": "compt00000000001106"
]
```

```
},
"securityDomain" : {"id": "domin000000000001","name": "world"}
```

Note: If you do not provide the "isRequired" attribute in the input json, it is set to the default value: false.

UPDATE THE DETAILS OF A ROLE

Overview

Allows updating an existing job role based on the Role ID.

Requires OAuth

No

Method

PUT

URL

 $https://{<} \textit{hostname-api.sabacloud.com} {>} / v1/role/:id$

URL (User-friendly)

You can use a user-friendly URL which accepts the **name** instead of the internal Role's ID.

https://<hostname-api.sabacloud.com>/v1/role/name%3D<RoleName>?includeassociation=true

Calling Options

Table 17: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Role's ID		string	Yes
name	The name of the role	EngineerRoleTech20 modified	string	Yes
description	The short description about the job role	EngineerRo~ leTech20description	string	No
securityDomain	The domain for the role	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
customValues	Custom Values		string	No

Name	Description	Sample Value	Data Type	Required?
associations	Map of associations object detail Note: You can the following as the association object: • Learning Event (Course / Certification / Curriculum) Note: Sup~ports lookup (Course, Cer~tification, Curriculum). • Skill Note: Sup~ports lookup (Compet~ency). • Owner Note: Sup~ports lookup (Person). If the logged in person is internal then only the in~ternal users can be associated. Simil~arly, if the logged in person is extern~al then only the external users can be associated. • Checklist Note: Sup~ports lookup (Checklist). • Continue Educa~tion Note: Sup~ports lookup (Checklist).	{ \"owner\":[{ \"id\":\"em~ plo000000000000000000000000000000000	string	No No

Name	Description	Sample Value	Data Type	Required?
	Pass this attribute, only if you need to update the asso~ciation. Pass it as NULL to remove all the existing asso~ciation data.			

```
"name": "Role REST Test 102",
"description": "Role desc",
"customValues": {
 "custom1": "ir5custom1",
 "custom2": "ir5custom2",
 "custom3": "ir5custom3",
 "custom4": "ir5custom4",
 "custom5": null,
 "custom6": null,
 "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": "ir5custom0"
"securityDomain": {
"id": "domin00000000000001",
 "displayName": "world"
"associations": {
 "learningevent": [{
 "isRequired": "true",
  "displayName": "test certification",
  "id": "crtfy00000000200020",
  "type": "Certification",
 "version": ""
 }, {
  "isRequired": "true",
  "displayName": "test course",
  "id": "cours000000000200424",
  "type": "Course",
  "version": "1.1"
 }, {
  "isRequired": "true",
  "displayName": "test Curriculum",
  "id": "curra00000000001003",
  "type": "Curriculum",
  "version": ""
 }],
 "skill": [{
 "minimumRequired": "Average",
  "displayName": "test skill",
 "id": "cplv100000000001007"
 "owner": [{
 "id": "emplo000000000200091",
 "displayName": "test owner"
 "continueeducation": [{
 "id": "cepln00000000001000",
  "displayName": "test plan"
```

```
"checklist": [{
"id": "chklt000000000002001",
"displayName": "test checklist"
```

Note: To remove the owner association details, use the PUT operation.

If you do not provide the "isRequired" attribute in the input json, it is set to the default value: false.

GET THE DETAILS OF A PARTICULAR ROLE

Overview

Returns complete information about a job role based on the Role's ID that is passed as a parameter value.

Method

GET

Requires OAuth

No

URL

https://<hostname-api.sabacloud.com>/v1/role/:id



Note: Use ?includeassociation=true to retrieve the association details (such as owner) as well:

https://<hostname-api.sabacloud.com>/v1/role/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Role's ID.

https://<hostname-api.sabacloud.com>/v1/role/name%3D<RoleName>?includeassociation=true

Calling Options

Table 18: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Role's ID		string	Yes
includeassociation	Returns the details of associ~ ations in the search	true	string	No

Return Values

```
"name": "testRole35",
"description": "test role35",
"customValues": {
 "custom9": null,
  "custom0": null,
```

```
"custom3": null,
  "custom4": null,
  "custom1": null,
  "custom2": null,
  "custom7": null,
  "custom8": null,
  "custom5": null,
  "custom6": null
"securityDomain": {
  "id": "domin000000000000001",
  "displayName": "world"
},
"id": "roles00000000001211",
    "owner": [
        "id": "emplo000000000001001",
        "dispalyName": "User Two"
    "continueeducation": [
        "displayName": "testPlan1",
        "id": "cepln00000000001160"
    "skill": [
        "minimumRequired": "Above average",
        "id": "compt00000000001003",
        "dispalyName": "Skill4"
    ],
    "checklist": {
      "displayName": "Checklist2",
      "id": "chklt0000000000002020"
    "learningevent": [
        "displayName": "EWJ Offering",
        "id": "cours00000000200061",
        "type": 0,
        "version": null
    ]
}
```

- Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.
- Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Role REST APIs more flexible.

Assign, retrieve or remove Job roles and Next career steps of a Job Type

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as Job roles and Next career steps of a Job Type:

- CREATE A NEW JOB TYPE
- UPDATE THE DETAILS OF A JOB TYPE
- GET THE DETAILS OF A PARTICULAR JOB TYPE

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as Job roles and Next career steps of a Job Type:

- CREATE A NEW JOB TYPE
- UPDATE THE DETAILS OF A JOB TYPE
- GET THE DETAILS OF A PARTICULAR JOB TYPE

CREATE A NEW JOB TYPE

Overview

Allows creating a new Job Type.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/jobs/

Calling Options

Table 19: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	The Job Type	Job Type REST 101	string	Yes
status	Status	100	string	No
locale	Locale		string	No
family_id	Family's ID	jfmly000000000001040 Default Job Family	string	Yes

Name	Description	Sample Value	Data Type	Required?
securityDomain	Security Domain	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
end_date	End date		string	No
description	Description	desc	string	No
customValues	Custom Values		string	No
responsibilities	Responsibilities		string	No
is_critical	Is critical?	false	string	No
start_date	Start date		string	No
associations	Map of associations object detail Note: Only Role and Next career step can be passed as the association objects. Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing association data.	{"role": [{"isRe~ quired": "true","id": "roles0000000001140",'dis~ playName": "Engineer Role 1"}],"nextcareer~ step": [{"id": "job~ tp000000000200309",'dis~ playName": "JobEW1"}]}	string	No

```
{
   "name": "JobEW16 REST TEST 101",
"description": "",
"end_date": null,
"family_id": {
 "id": "jfmly00000000001040",
 "displayName": "Default Job Family"
"status": "100",
"start_date": null,
"responsibilities": null,
"is_critical": false,
 "customValues": {
 "custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
```

```
"custom6": null,
 "custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
"securityDomain": {
"id": "domin000000000000001",
 "displayName": "world"
"associations": {
"role": [{
 "isRequired": "true",
  "displayName": "test role",
  "id": "roles000000000001044"
}],
 "nextcareerstep": [{
 "id": "jobtp000000000200063",
  "displayName": "test job2"
```

UPDATE THE DETAILS OF A JOB TYPE

Overview

Allows updating an existing Job Type based on the Job Type's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/jobs/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the jobCode instead of the internal Job Type's ID.

https://<hostname-api.sabacloud.com>/v1/jobs/jobCode%3D<JobCode>

Calling Options

Table 20: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Job Type's ID		string	Yes
name	The Job Type	Job Type REST 101	string	Yes
status	Status	100	string	No
locale	Locale		string	No

Name	Description	Sample Value	Data Type	Required?
family_id	Family's ID	jfmly000000000001040 Default Job Family	string	Yes
securityDomain	Security Domain	{ "id": "dom~ ir000000000001", "name": "world" }	string	Yes
end_date	End date		string	No
description	Description	desc	string	No
customValues	Custom Values		string	No
responsibilities	Responsibilities		string	No
is_critical	Is critical?	false	string	No
start_date	Start date		string	No
associations	Map of associations object detail Note: Only Role and Next career step can be passed as the associ~ ation objects.	{"role": [{"isRe~ quired": "true","id": "roks0000000001140",'dis~ playName": "Engineer Role 1"}],"nextcareer~ step": [{"id": "job~ tp000000000200309",'dis~ playName": "JobEW1"}]}	string	No

```
"name": "JobEW16 REST TEST 101",
"description": "",
"end_date": null,
"family_id": {
"id": "jfmly00000000001040",
"displayName": "Default Job Family"
"status": "100",
"start_date": null,
"responsibilities": null,
"is_critical": false,
"customValues": {
 "custom1": null,
 "custom2": null,
 "custom3": null,
 "custom4": null,
 "custom5": null,
 "custom6": null,
```

```
"custom7": null,
 "custom8": null,
 "custom9": null,
 "custom0": null
"securityDomain": {
 "id": "domin000000000000001",
 "displayName": "world"
"associations": {
 "role": [{
  "isRequired": "true",
  "displayName": "test role",
  "id": "roles000000000001044"
 }],
 "nextcareerstep": [{
  "id": "jobtp000000000200063",
  "displayName": "test job2"
```

Note: To remove the owner association details, use the PUT operation.

GET THE DETAILS OF A PARTICULAR JOB TYPE

Overview

Returns complete information about a Job Type based on the Job Type's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/jobs/:id



Note: Use ?includeassociation=true to retrieve the association details (such as job role and next career step) as well:

https://<hostname-api.sabacloud.com>/v1/jobs/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the **jobCode** instead of the internal Job Type's ID.

https://<hostname-api.sabacloud.com>/v1/jobs/jobCode%3D<JobCode>?includeassociation=true

Calling Options

Table 21: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Job Type's ID		string	Yes

Return Values

```
"id": "jobtp00000000200265",
 "name": "JobEW16 REST TEST 101",
 "description": "",
 "end_date": null,
 "family_id": {
  "id": "jfmly00000000001040",
  "displayName": "Default Job Family"
 "status": "100",
 "start_date": null,
 "responsibilities": null,
 "is_critical": false,
 "customValues": {
  "custom1": null,
  "custom2": null,
  "custom3": null,
  "custom4": null,
  "custom5": null,
  "custom6": null,
  "custom7": null,
  "custom8": null,
  "custom9": null,
  "custom0": null
 "securityDomain": {
  "id": "domin000000000000001",
  "displayName": "world"
 "associations": {
  "role": [{
   "isRequired": "true",
   "displayName": "test role",
   "id": "roles00000000001044"
  "nextcareerstep": [{
   "id": "jobtp00000000200063",
   "displayName": "test job2"
  }]
}
```

Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.

Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Job Type REST APIs more flexible.

Assign or retrieve a job of a Job Family

How did it work?

The following REST APIs didn't allow assigning or retrieving associations such as a job of a Job Family:

- CREATE A NEW JOB FAMILY
- UPDATE THE DETAILS OF A JOB FAMILY

• GET THE DETAILS OF A PARTICULAR JOB FAMILY

How does it work now?

The following REST APIs now allow assigning or retrieving associations such as a job of a Job Family:

- CREATE A NEW JOB FAMILY
- UPDATE THE DETAILS OF A JOB FAMILY
- GET THE DETAILS OF A PARTICULAR JOB FAMILY

CREATE A NEW JOB FAMILY

Overview

Allows creating a new Job Family.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/jobfamily/

Calling Options

Table 22: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	The name of the Job Family	Job Family 121	string	Yes
description	The short description for the Job Family	JobFamily Description	string	No
isCareerSiteCategory	Whether it is a career site category	true	string	Yes
associations	Map of associations object detail Note: Only job can be passed as the associ~ ation object.	{"job": [{"id": "job~ tp00000000200309","dis~ playName": "test job"}]}	string	No

```
{
    "isCareerSiteCategory": true,
"name": "1234",
"description": "1234",
"associations": {
    "job": [{
```

UPDATE THE DETAILS OF A JOB FAMILY

Overview

The update method of the Job Family web service allows updating an existing Job Family based on the Job Family's ID

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/jobfamily/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Job Family's ID.

https://<hostname-api.sabacloud.com>/v1/jobfamily/name%3D<JobFamilyName>

Calling Options

Table 23: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Job Family's ID		string	Yes
name	The name of the Job Family	Job Family 121	string	Yes
description	The description for the Job Family	JobFamily Description	string	No
isCareerSiteCategory	Whether it is a career site category	true	string	Yes
associations	Map of associations object detail Note: Only job can be passed as the associ~ ation object.	{"job": [{"id": "job~ tp00000000200309","dis~ playName": "test job"}]}	string	No

Note: The PUT operation only supports adding jobs to the job family. It does not support removing the existing jobs from the job family.

GET THE DETAILS OF A PARTICULAR JOB FAMILY

Overview

Returns complete information about a Job Family based on the Job Family's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/jobfamily/:id

Note: Use ?includeassociation=true to retrieve the association details (such as owner) as well:

https://<hostname-api.sabacloud.com>/v1/jobfamily/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Job Family's ID.

https://<hostname-api.sabacloud.com>/v1/jobfamily/name%3D<JobFamilyName>?includeassociation=true

Calling Options

Table 24: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Job Family's ID		string	Yes

Return Values

```
{
  "id": "jfmly0000000001020",
  "isCareerSiteCategory": true,
  "name": "testjobFamily",
```

```
"description": "1234",
"associations": {
  "job": [{
    "id": "jobtp00000000200309",
    "displayName": "test owner"
  }]
}
```

- Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.
- Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Job Family REST APIs more flexible.

Assign, retrieve or remove associations of an Organization

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as child organization, approver and continue education plan of an organization:

- CREATE A NEW INTERNAL ORGANIZATION
- CREATE A NEW EXTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION
- GET THE DETAILS OF AN ORGANIZATION

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as child organization, approver and continue education plan of an organization:

- CREATE A NEW INTERNAL ORGANIZATION
- CREATE A NEW EXTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION
- GET THE DETAILS OF AN ORGANIZATION

CREATE A NEW INTERNAL ORGANIZATION

Overview

Allows creating a new Internal Organization.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/organization?type=internal

Calling Options

Table 25: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	Name of the organization	Business Unit REST Test 101	string	Yes
parent_id	Parent's ID of the organiza~ tion	Root bisut000000000000000000000000000000000000	string	Yes
vertical	Vertical		string	No
currency_id	The default currency	{"id": "crrycommonomor", "display~ Name": "US Dollars"}	string	Yes
state	State	state1	string	No
phone2	Phone 2	12345	string	No
securityDomain	Security Domain	{ "id": "dom~ ir000000000001", "name": "world" }	string	Yes
phone1	Phone 1	11223344	string	No
aa_id	AA's ID		string	No
city	City	city1	string	No
description	Description	desc	string	No
customValues	Custom Values		string	No
zip	Zip	11223311	string	No
fax	Fax	12312	string	No
number	Number	123455	string	No
country	Country	country1	string	No

Name	Description	Sample Value	Data Type	Required?
cost_center_no	Cost center no	cc1234	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
web_server	Web server		string	No
contact_id	Contact's ID		string	No
objectives_administrat~	Objectives Administrator		string	No
billAddr1	Bill Addr 1	billAddr1	string	No
billAddr2	Bill Addr 2	billAddr2	string	No
billCity	Bill City	billCity	string	No
billState	Bill State	billState	string	No
billZip	Bill Zip	billZip	string	No
billCountry	Bill Country	billCountry	string	No
associations	Map of associations object detail Note: Only child or~ ganization, approver and continue education plan can be passed as the association objects. Pass this attribute, only if you need to update the asso~ ciation. Pass it as NULL to remove all the existing asso~ ciation data.	{"childorg":[{"display~ Name": "Com~ pany1"},{"display~ Name": "anu_Extern~ al_Org", "id": "mpy000000002"}[con- tinueeducation":[{"dis~ playName": "test ce~ plan1"},{"display~ Name": "test continue education"}],"budget~ approver":[{"display~ Name": "CBUILD~ ER"},{"display~ Name": "Catalog1 Builder1", "id": "per~ sn00000000000200920"}]}	string	No

```
{
  "name": "test bu2",
  "parent_id": {
```

```
"id": "bisut000000000000001",
 "displayName": "Root"
"state": "bulstate",
"number": "00200236",
"country": "bulcountry",
"description": null,
"fax": "bulfax",
"addr1": "buladdress1",
"addr2": "buladdress2",
"addr3": "",
"currency_id": {
"id": "crncy000000000000001",
 "displayName": "US Dollars"
"email": "bul@sabaga.com",
"aa_id": {
"id": "emplo000000000001026",
"displayName": "User1 One1"
"cost_center_no": "111",
"phone2": "",
"phone1": "bulpphone",
"contact_id": {
"id": "emplo000000000001000",
 "displayName": "User One"
"billAddr1": "",
"billAddr2": "",
"billCity": "",
"billState": "",
"billZip": "",
"billCountry": "",
"objectives_administrator": null,
"currencies": [{
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
}, {
 "id": "crncy00000000001005",
 "displayName": "Currency1"
}, {
 "id": "crncy00000000001006",
 "displayName": "Currency2"
}, {
 "id": "crncy00000000200968",
 "displayName": "Rupees"
}],
"vertical": null,
"city": "bulcity",
"zip": "bulcity",
"web_server": "webserver",
"customValues": {
 "custom9": null,
 "custom0": "bu1custom0",
 "custom3": "bu1custom3",
 "custom4": "bulcustom4",
 "custom1": "bu1custom1",
 "custom2": "bu1custom2",
 "custom7": null,
 "custom8": null,
 "custom5": null,
 "custom6": null
```

```
"securityDomain": {
"id": "domin000000000000001",
 "displayName": "world"
"associations": {
 "childorg": [{
 "displayName": "BusinessUnit4",
  "id": "bisut00000000001003"
}, {
  "displayName": "BusinessUnit6",
  "id": "bisut00000000001005"
 }],
 "continueeducation": [{
  "displayName": "test ceplan1",
  "id": "cepln00000000001200"
}, {
  "displayName": "test ce plan2",
  "id": "cepln000000000001220"
 }],
 "budgetapprover": [{
 "displayName": "Catalog Builder",
  "id": "emplo000000000200000"
 }]
```

Note: While creating an organization (internal / external), budget approver association is not supported as budget approver must belong to the same organization.

Return Values

```
{
  "id": "bisut00000000200261",
  "displayName": "Business Unit REST Test 101",
  "href":
  "https://<hostname-api.sabacloud.com>/v1/organization/bisut000000000200261"
}
```

CREATE A NEW EXTERNAL ORGANIZATION

Overview

Allows creating a new External Organization.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/organization?type=external

Calling Options

Table 26: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	Name of the organization	Company REST Test	string	Yes
parent_id	Parent's ID of the organiza~ tion		string	No
vertical	Vertical		string	No
currency_id	The default currency	{"id": "cmy00000000067", "display~ Name": "US Dollars"}	string	Yes
state	State	state1	string	No
phone2	Phone 2	12345	string	No
securityDomain	Security Domain	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
phone1	Phone 1	11223344	string	No
sec_key	sec_key Note: This is a non-editable field. Hence any value that is passed to it will not be updated.		string	No
city	City	city1	string	No
description	Description	desc	string	No
customValues	Custom Values		string	No
zip	Zip	11223311	string	No
fax	Fax	12312	string	No
number	Number	123455	string	No

Name	Description	Sample Value	Data Type	Required?
country	Country	country1	string	No
is_active	is_active	true	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
web_server	Web server		string	No
contact_id	contact_id		string	No
objectives_administrat~	objectives_administrator		string	No
billAddr1	Bill Addr 1	billAddr1	string	No
billAddr2	Bill Addr 2	billAddr2	string	No
billCity	Bill City	billCity	string	No
billState	Bill State	billState	string	No
billZip	Bill Zip	billZip	string	No
billCountry	Bill Country	billCountry	string	No
learning_vendor	Learning vendor	true	string	No
learning_manufacturer	Learning manufacturer	true	string	No
business_typ	Business type		string	No
associations	Map of associations object detail Note: Only child or~ ganization, approver and continue education plan can be passed as the association objects. Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing asso~ ciation data.	{"childorg":[{"display~ Name": "Com~ pany1"},{"display~ Name":"anu_Extern~ al_Org","id": "mpy000000002"][an- tinueeducation":[{"dis~ playName": "test ce~ plan1"},{"display~ Name": "test continue education"}],"budget~ approver":[{"display~ Name":"CBUILD~ ER"},{"display~ Name": "Catalog1	string	No

Name	Description	Sample Value	Data Type	Required?
		Builder1","id": "per~ sn000000000200920"}]}		

```
"name": "test comp1",
"parent_id": {
 "id": "cmpny00000000200062",
 "displayName": "Ext_org_Sales&Mkt"
"state": "bulstate",
"number": "005001",
"country": "bulcountry",
"description": null,
"fax": "bulfax",
"addr1": "buladdress1",
"addr2": "buladdress2",
"addr3": "",
"currency_id": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
"email": "bul@sabaqa.com",
"is_active": false,
"learning_vendor": false,
"learning_manufacturer": false,
"phone2": "",
"phone1": "bulpphone",
"contact_id": {
 "id": "persn00000000001000",
 "displayName": "Client One"
"billAddr1": "add1",
"billAddr2": "add2",
"billCity": "city1",
"billState": "state1",
"billZip": "123456",
"billCountry": "Insia",
"objectives_administrator": null,
"currencies": [{
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
}, {
 "id": "crncy00000000001005",
 "displayName": "Currency1"
 "id": "crncy00000000001006",
 "displayName": "Currency2"
 "id": "crncy000000000200968",
 "displayName": "Rupees"
}],
"vertical": null,
"city": "bulcity",
"zip": "bulcity"
"business_typ": "",
"web_server": "webserver",
"customValues": {
```

```
"custom9": null,
  "custom0": "bu1custom0",
  "custom3": "bulcustom3",
  "custom4": "bulcustom4",
  "custom1": "bu1custom1",
  "custom2": "bu1custom2",
  "custom7": null,
  "custom8": null,
  "custom5": null,
  "custom6": null
 "securityDomain": {
  "id": "domin000000000000001",
  "displayName": "world"
 "associations": {
  "childorg": [{
   "displayName": "Ext_org_SalesIndia",
   "id": "cmpny000000000200064"
  }],
  "continueeducation": [{
   "displayName": "test ceplan1",
   "id": "cepln00000000001200"
  }, {
   "displayName": "test continue education",
   "id": "cepln00000000001160"
  }],
  "budgetapprover": [{
   "displayName": "Client4 One4",
   "id": "persn000000000001023"
  }]
}
```

Note: While creating an organization (internal / external), budget approver association is not supported as budget approver must belong to the same organization.

Return Values

```
{
  "id": "cmpny00000000200224",
  "displayName": "Company REST Test 101",
  "href":
  "https://<hostname-api.sabacloud.com>/v1/organization/cmpny00000000200224"
}
```

UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION

Overview

Allows updating an existing Internal Business Organization based on the Organization's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the **number** instead of the internal Organization's ID.

 $https://< \textit{hostname-api.sabacloud.com} > / v1/organization/number \% 3D < \textit{OrgNo} > v1/organization/number \% 3D < \textit{$

Calling Options

Table 27: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Organization's ID		string	Yes
name	Name of the organization	Business Unit REST Test 101	string	Yes
parent_id	Parent's ID of the organiza~ tion	Root bisut000000000000000000000000000000000000	string	Yes
vertical	Vertical		string	No
currency_id	The default currency	{"id": "arr;@@@@@@@@@@@@ "display~ Name": "US Dollars"}	string	Yes
state	State	state1	string	No
phone2	Phone 2	12345	string	No
securityDomain	Security Domain	{ "id": "dom~ ir000000000001", "name": "world" }	string	Yes
phone1	Phone 1	11223344	string	No
aa_id	AA's ID		string	No
city	City	city1	string	No
description	Description	desc	string	No
customValues	Custom Values		string	No
zip	Zip	11223311	string	No

Name	Description	Sample Value	Data Type	Required?
fax	Fax	12312	string	No
number	Number	123455	string	No
country	Country	country1	string	No
cost_center_no	Cost center no	cc1234	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
web_server	Web server		string	No
contact_id	Contact's ID		string	No
objectives_administrat~ or	Objectives administrator		string	No
billAddr1	Bill Addr 1	billAddr1	string	No
billAddr2	Bill Addr 2	billAddr2	string	No
billCity	Bill City	billCity	string	No
billState	Bill State	billState	string	No
billZip	Bill Zip	billZip	string	No
billCountry	Bill Country	billCountry	string	No
currencies	Currencies		string	No
associations	Map of associations object detail Note: Only child or~ ganization, approver and continue education plan can be passed as the association objects. Pass this attribute, only if you need to update the asso~ ciation. Pass it as NULL to remove all the existing asso~ ciation data.	{"childorg":[{"display~ Name": "Com~ pany1"},{"display~ Name": "anu_Extern~ al_Org", "id": "mpx0000000002"][con- tinueeducation":[{"dis~ playName": "test ce~ plan1"},{"display~ Name": "test continue education"}],"budget~ approver":[{"display~ Name": "CBUILD~ ER"},{"display~ Name": "Catalog1	string	No

Name	Description	Sample Value	Data Type	Required?
		Builder1","id": "per~ sn000000000200920"}]}		

```
"name": "test bu2",
"parent_id": {
 "id": "bisut000000000000001",
 "displayName": "Root"
"state": "bulstate",
"number": "00200236",
"country": "bulcountry",
"description": null,
"fax": "bulfax",
"addr1": "buladdress1",
"addr2": "buladdress2",
"addr3": "",
"currency_id": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
"email": "bul@sabaqa.com",
"aa_id": {
 "id": "emplo00000000001026",
 "displayName": "User1 One1"
"cost_center_no": "111",
"phone2": "",
"phone1": "bulpphone",
"contact_id": {
 "id": "emplo00000000001000",
 "displayName": "User One"
"billAddr1": "",
"billAddr2": "",
"billCity": "",
"billState": "",
"billZip": "",
"billCountry": "",
"objectives administrator": null,
"currencies": [{
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
}, {
 "id": "crncy00000000001005",
 "displayName": "Currency1"
 "id": "crncy00000000001006",
 "displayName": "Currency2"
 "id": "crncy00000000200968",
 "displayName": "Rupees"
}],
"vertical": null,
"city": "bulcity",
"zip": "bulcity",
"web_server": "webserver",
```

```
"customValues": {
 "custom9": null,
 "custom0": "bu1custom0",
 "custom3": "bu1custom3",
 "custom4": "bulcustom4",
 "custom1": "bulcustom1",
 "custom2": "bulcustom2",
 "custom7": null,
 "custom8": null,
 "custom5": null,
 "custom6": null
"securityDomain": {
"id": "domin000000000000001",
 "displayName": "world"
"associations": {
 "childorg": [{
  "displayName": "BusinessUnit4",
  "id": "bisut00000000001003"
}, {
  "displayName": "BusinessUnit6",
  "id": "bisut00000000001005"
 }],
 "continueeducation": [{
  "displayName": "test ceplan1",
  "id": "cepln00000000001200"
  "displayName": "test ce plan2",
  "id": "cepln000000000001220"
 }],
 "budgetapprover": [{
  "displayName": "Catalog Builder",
  "id": "emplo000000000200000"
}]
```

Note: To remove the owner association details, use the PUT operation.

UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION

Overview

Allows updating an existing External Business Organization based on the Organization's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the **number** instead of the internal Organization's ID.

https://<hostname-api.sabacloud.com>/v1/organization/number%3D<OrgNo>

Calling Options

Table 28: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Organization's ID		string	Yes
name	Name of the organization	Company REST Test	string	Yes
parent_id	Parent's ID of the organiza~ tion		string	No
vertical	Vertical		string	No
currency_id	The default currency	{"id": "cmycomcomcof", "display~ Name": "US Dollars"}	string	Yes
state	State	state1	string	No
phone2	Phone 2	12345	string	No
securityDomain	Security Domain	{ "id": "dom~ ir000000000001", "name": "world" }	string	Yes
phone1	Phone 1	11223344	string	No
sec_key	sec_key Note: This is a non-editable field. Hence any value that is passed to it will not be updated.	aaaa	string	No
city	City	city1	string	No
description	Description	desc	string	No
customValues	Custom Values		string	No

Name	Description	Sample Value	Data Type	Required?
zip	Zip	11223311	string	No
currencies	Currencies		string	No
fax	Fax	12312	string	No
number	Number	123455	string	No
country	Country	country1	string	No
is_active	Is active?	true	string	No
addr1	Address 1	add1	string	No
addr2	Address 2	add2	string	No
email	Email	abc@gmail.com	string	No
addr3	Address 3	add3	string	No
web_server	Web server		string	No
contact_id	Contact's ID		string	No
objectives_administrat~ or	Objectives administrator		string	No
billAddr1	Bill Addr 1	billAddr1	string	No
billAddr2	Bill Addr 2	billAddr2	string	No
billCity	Bill City	billCity	string	No
billState	Bill State	billState	string	No
billZip	Bill Zip	billZip	string	No
billCountry	Bill Country	billCountry	string	No
learning_vendor	Learning vendor	true	string	No
learning_manufacturer	Learning manufacturer	true	string	No
business_typ	Business type		string	No
associations	Map of associations object detail Note: Only child or~ ganization, approver and continue education	{"childorg":[{"display~ Name": "Com~ pany1"},{"display~ Name":"anu_Extern~ al_Org","id": "dipy00000000002"]['cn~	string	No

Name	Description	Sample Value	Data Type	Required?
	plan can be passed as the association objects. Pass this attribute, only if you need to update the association. Pass it as NULL to remove all the existing association data.	tinueeducation":[{"dis~playName": "test ce~plan1"},{"display~Name": "test continue education"}],"budget~approver":[{"display~Name":"CBUILD~ER"},{"display~Name": "Catalog1Builder1","id": "per~sn000000000000000000000000000000000000		

```
"name": "test comp1",
"parent_id": {
 "id": "cmpny00000000200062",
 "displayName": "Ext_org_Sales&Mkt"
"state": "bulstate",
"number": "005001",
"country": "bulcountry",
"description": null,
"fax": "bulfax",
"addr1": "buladdress1",
"addr2": "buladdress2",
"addr3": "",
"currency_id": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
"email": "bul@sabaqa.com",
"is_active": false,
"learning_vendor": false,
"learning_manufacturer": false,
"phone2": "",
"phone1": "bu1pphone",
"contact_id": {
 "id": "persn00000000001000",
 "displayName": "Client One"
"billAddr1": "add1",
"billAddr2": "add2",
"billCity": "city1",
"billState": "state1",
"billZip": "123456",
"billCountry": "Insia",
"objectives_administrator": null,
"currencies": [{
 "id": "crncy00000000000001",
 "displayName": "US Dollars"
}, {
 "id": "crncy00000000001005",
 "displayName": "Currency1"
}, {
  "id": "crncy00000000001006",
 "displayName": "Currency2"
```

```
}, {
  "id": "crncy00000000200968",
 "displayName": "Rupees"
"vertical": null,
"city": "bulcity",
"zip": "bulcity",
"business_typ": "",
"web_server": "webserver",
"customValues": {
 "custom9": null,
 "custom0": "bu1custom0",
 "custom3": "bu1custom3",
 "custom4": "bulcustom4",
 "custom1": "bulcustom1",
 "custom2": "bulcustom2",
 "custom7": null,
 "custom8": null,
 "custom5": null,
 "custom6": null
"securityDomain": {
 "id": "domin000000000000001",
 "displayName": "world"
"associations": {
 "childorg": [{
  "displayName": "Ext_org_SalesIndia",
  "id": "cmpny00000000200064"
 }],
 "continueeducation": [{
  "displayName": "test ceplan1",
  "id": "cepln00000000001200"
 }, {
  "displayName": "test continue education",
  "id": "cepln00000000001160"
 }],
 "budgetapprover": [{
  "displayName": "Client4 One4",
  "id": "persn000000000001023"
 }]
```

Note: To remove the owner association details, use the PUT operation.

GET THE DETAILS OF AN ORGANIZATION

Overview

Returns complete information about an Organization based on the Organization's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id



Note: Use ?includeassociation=true to retrieve the association details as well:

https://<hostname-api.sabacloud.com>/v1/organization/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the **number** instead of the internal Organization's ID.

https://<hostname-api.sabacloud.com>/v1/organization/number%3D<OrgNo>?includeassociation=true

Calling Options

Table 29: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Organization's ID		string	Yes

Return Values

```
"name": "test bu2",
"parent_id": {
"id": "bisut000000000000001",
"displayName": "Root"
"state": "bulstate",
"number": "00200236",
"country": "bulcountry",
"description": null,
"fax": "bulfax",
"addr1": "buladdress1",
"addr2": "buladdress2",
"addr3": "",
"currency_id": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
"email": "bul@sabaqa.com",
"aa_id": {
 "id": "emplo00000000001026",
 "displayName": "User1 One1"
"cost_center_no": "111",
"phone2": "",
"phone1": "bu1pphone",
"contact_id": {
"id": "emplo00000000001000",
"displayName": "User One"
"billAddr1": "",
"billAddr2": "",
"billCity": "",
"billState": "",
"billZip": "",
"billCountry": "",
"objectives_administrator": null,
```

```
"currencies": [{
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
}, {
 "id": "crncy00000000001005",
 "displayName": "Currency1"
}, {
 "id": "crncy00000000001006",
 "displayName": "Currency2"
 "id": "crncy00000000200968",
 "displayName": "Rupees"
}],
"vertical": null,
"city": "bulcity",
"zip": "bulcity",
"web_server": "webserver",
"customValues": {
 "custom9": null,
 "custom0": "bu1custom0",
 "custom3": "bu1custom3",
 "custom4": "bulcustom4",
 "custom1": "bulcustom1",
 "custom2": "bu1custom2",
 "custom7": null,
 "custom8": null,
 "custom5": null,
 "custom6": null
},
"securityDomain": {
"id": "domin00000000000001",
 "displayName": "world"
"id": "bisut00000000200275",
"associations": {
 "childorg": [{
  "displayName": "BusinessUnit4",
  "id": "bisut000000000001003"
 }, {
  "displayName": "BusinessUnit6",
  "id": "bisut00000000001005"
 }],
 "continueeducation": [{
  "displayName": "test ceplan1",
  "id": "cepln00000000001200"
  "displayName": "test ce plan2",
  "id": "cepln000000000001220"
 }],
 "budgetapprover": [{
  "displayName": "Catalog Builder",
  "id": "emplo000000000200000"
}]
```

- Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.
- Note: For more details on this see REST API Reference.

Use case

Currently using REST API, an admin is able to create only the fields that are part of the base organization component. The attributes associated with an organizations are missing. With this enhancement, the user will be able to add/remove these fields.

Assign, retrieve or remove associations of a Competency

How did it work?

The following REST APIs didn't allow assigning, retrieving or removing associations such as Proficiency Levels, Behavioral Indicators, Weights, Skill Groups and Mode of Skill Rating of a competency:

- CREATE A NEW COMPETENCY
- UPDATE THE DETAILS OF A COMPETENCY
- GET THE DETAILS OF A PARTICULAR COMPETENCY

How does it work now?

The following REST APIs now allow assigning, retrieving or removing associations such as Proficiency Levels, Behavioral Indicators, Weights, Skill Groups and Mode of Skill Rating of a competency:

- CREATE A NEW COMPETENCY
- UPDATE THE DETAILS OF A COMPETENCY
- GET THE DETAILS OF A PARTICULAR COMPETENCY

CREATE A NEW COMPETENCY

Overview

Allows creating a new competency.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/competency/

Calling Options

Table 30: Calling Options

Name	Description	Sample Value	Data Type	Required?
name	The name of the competency	General Computer Knowledge	string	Yes
description	The short description about the competency	Understanding relation~ ship of CPU, I/O, Storage, and operating system.	string	No

Name	Description	Sample Value	Data Type	Required?
securityDomain	The domain for the facility Supports lookup (Domain).	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
customValues	Custom Values		string	No
associations	Map of associations object detail Note: Only Profi~ ciency Levels, Behavi~ oral Indicat~ ors, Weights, Skill Groups and Mode of Skill Rating can be passed as the associ~ ation objects. Pass this attribute, only if you need to update the asso~ ciation. Pass it as NULL to remove all the existing asso~ ciation data. Note: The default value of weights of be~ havioral indicators and rating weights of com~ petency methods is 0. Note: While creating associations, the exist~ ing proficiency levels are associated to the competency by default. The proficiency level specified in the Input JSON should be differ~ ent from the ones already existing.	{ "skillGroup":[], "rateskillby":"Profi~ ciency Levels", "beha~ vioralindicator":[{ "displayName":"test~ BI", "weight":30 },{ "displayName":"test~ BI2", "weight":30 }], "weights":[{ "meth~ od":"ManagerAssess~ ment", "rating":105 }, { "method":"Sel~ fAssessment", "rat~ ing":105 }, { "meth~ od":"Feedbackfro~ mOthers", "rat~ ing":1000 }, { "meth~ od":"LearningOffer~ ing", "rating":10 }], "proficiency":[{ "dis~ playName":"testprofi~ ciency", "descrip~ tion":"proficiencyde~ scription", "profi~ ciencyLevel":7 }, { "displayName":"test~ Proficiency2", "de~ scription":"proficiency~ descriptiontest", "profi~ ciencyLevel":8 }] }	string	No

```
{
  "description": "testSkill",
  "name": "testSkill",
  "securityDomain": {
    "id": "domin0000000000001",
    "displayName": "world"
```

```
"associations": {
   "rateskillby" : "Behavioral Indicators",
  "skillGroup": [
      "displayName": "Sample Group",
      "id": "cpgrp00000000001000"
      "displayName": "Individual Excellence",
      "id": "cpgrp00000000001020"
      "displayName": "Manager",
      "id": "cpgrp000000000001021"
  ],
  "behavioralindicator": [{
      "displayName": "method1",
      "weight": 30
  }, {
      "displayName": "method2",
      "weight": 50
  }],
  "weights": [
      "method": "Learning Offering",
      "rating": 10
      "method": "Self Assessment",
      "rating": 100
      "method": "Feedback from Others",
      "rating": 100
      "method": "Manager Assessment",
      "rating": 10
  "proficiency": [
      "displayName": "Outstanding1",
      "description": null,
      "proficiencyLevel": 6
      "displayName": "Outstanding2",
      "description": null,
      "proficiencyLevel": 7
  ]
}
```

Return Values

```
{
    "id": "compt000000001223",
```

```
"displayName": "testSkill5",
    "href":
"https://<hostname-api.sabacloud.com>/v1/competency/compt00000000001223"
}
```

UPDATE THE DETAILS OF A COMPETENCY

Overview

Allows updating an existing competency based on the Competency's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/competency/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the Competency's ID.

https://<hostname-api.sabacloud.com>/v1/competency/:id/name%3D<CompetencyName>

Calling Options

Table 31: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Competency's ID		string	Yes
name	The name of the competency	General Computer Knowledge	string	Yes
description	The short description about the competency	Understanding relation~ ship of CPU, I/O, Storage, and operating system.	string	No
securityDomain	The domain for the facility Supports lookup (Domain).	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
customValues	Custom Values		string	No

Name	Description	Sample Value	Data Type	Required?
associations	Map of associations object detail Note: Only Profi~ ciency Levels, Behavi~ oral Indicat~ ors, Weights, Skill Groups and Mode of Skill Rating can be passed as the associ~ ation objects. Pass this attribute, only if you need to update the asso~ ciation. Pass it as NULL to remove all the existing asso~ ciation data. Note: The default value of weights of be~ havioral indicators and rating weights of com~ petency methods is 0. Note: While updating associations, the Profi~ ciency level must be in sequence, starting with 1. While creating associ~ ations, the existing proficiency levels are associated to the com~ petency by default. The proficiency level specified in the Input JSON should be differ~ ent from the ones already existing.	{ "skillGroup":[], "rateskillby":"Profi~ ciency Levels", "beha~ vioralindicator":[{ "displayName":"test~ BI", "weight":30 },{ "displayName":"test~ BI2", "weight":30 }], "weights":[{ "meth~ od":"ManagerAssess~ ment", "rating":105 }, { "method":"Sel~ fAssessment", "rat~ ing":105 }, { "meth~ od":"Feedbackfro~ mOthers", "rat~ ing":1000 }, { "meth~ od":"LearningOffer~ ing", "rating":10 }], "proficiency":[{ "dis~ playName":"testprofi~ ciency", "descrip~ tion":"proficiencyde~ scription", "profi~ ciencyLevel":7 }, { "displayName":"test~ Proficiency2", "de~ scription":"proficiency~ descriptiontest", "profi~ ciencyLevel":8 }] }	string	No

```
{
  "description": "testSkillUpdate",
  "name": "testSkillUpdate",
  "securityDomain": {
    "id": "domin00000000000000001",
    "displayName": "world"
},
  "associations": {
    "skillGroup": [],
    "rateskillby": "Proficiency Levels",
    "behavioralindicator": [
```

```
"displayName": "method1",
    "weight": 30,
    "id": "cpevi00000000001040"
    "displayName": "method2",
    "weight": 50,
    "id": "cpevi000000000001041"
],
"weights": [
    "method": "Learning Offering",
    "rating": 10
    "method": "Self Assessment",
    "rating": 100
    "method": "Feedback from Others",
    "rating": 100
    "method": "Manager Assessment",
    "rating": 10
],
"proficiency": [
    "displayName": "Poor",
    "description": null,
    "proficiencyLevel": 1,
    "id": "cplv1000000000001001"
    "displayName": "Below Average",
    "description": null,
    "proficiencyLevel": 2,
    "id": "cplv100000000001002"
    "displayName": "Average",
    "description": null,
    "proficiencyLevel": 3,
    "id": "cplv100000000001003"
    "displayName": "Above Average",
    "description": null,
    "proficiencyLevel": 4,
    "id": "cplv100000000001004"
    "displayName": "Outstanding",
    "description": null,
    "proficiencyLevel": 5,
    "id": "cplv100000000001005"
    "displayName": "Outstanding1",
```

```
"description": null,
      "proficiencyLevel": 6,
      "id": "cplv1000000000001006"
      "displayName": "test_Proficiency",
      "description": null,
      "proficiencyLevel": 7
  ]
}
```

Note: To remove the owner association details, use the PUT operation.

GET THE DETAILS OF A PARTICULAR COMPETENCY

Overview

Returns complete information about a competency based on the Competency's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/competency/:id



Note: Use ?includeassociation=true to retrieve the association details as well:

https://<hostname-api.sabacloud.com>/v1/competency/:id?includeassociation=true

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the Competency's ID.

https://<hostname-api.sabacloud.com>/v1/competency/:id/name%3D<CompetencyName>?includeassociation=true

Calling Options

Table 32: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Competency's ID		string	Yes

Return Values

```
"description": "testSkill",
"name": "testSkill",
"securityDomain": {
  "id": "domin00000000000001",
  "displayName": "world"
```

```
"id": "compt00000000001141",
"associations": {
  "skillGroup": [],
  "rateskillby": "Proficiency Levels",
  "behavioralindicator": [
    {
      "displayName": "method1",
      "weight": 30,
      "id": "cpevi000000000001040"
      "displayName": "method2",
      "weight": 50,
      "id": "cpevi000000000001041"
  ],
  "weights": [
      "method": "Learning Offering",
      "rating": 10
      "method": "Self Assessment",
      "rating": 100
      "method": "Feedback from Others",
      "rating": 100
      "method": "Manager Assessment",
      "rating": 10
 ],
  "proficiency": [
      "displayName": "Poor",
      "description": null,
      "proficiencyLevel": 1,
      "id": "cplv1000000000001001"
      "displayName": "Below Average",
      "description": null,
     "proficiencyLevel": 2,
      "id": "cplv100000000001002"
      "displayName": "Average",
      "description": null,
     "proficiencyLevel": 3,
      "id": "cplv1000000000001003"
      "displayName": "Above Average",
      "description": null,
      "proficiencyLevel": 4,
      "id": "cplv100000000001004"
      "displayName": "Outstanding",
```

Note: Associations will not work with the includeDetails=true query param. This is applicable only for specific object search.

Note: For more details on this see REST API Reference.

Use case

This enhancement makes the Role REST APIs more flexible.

Pass user-friendly IDs to REST APIs

How did it work?

The following REST APIs only accepted internal IDs:

- UPDATE THE DETAILS OF A FACILITY
- GET THE DETAILS OF A PARTICULAR FACILITY
- UPDATE THE DETAILS OF A LOCATION
- GET THE DETAILS OF A PARTICULAR LOCATION
- UPDATE THE DETAILS OF A JOB FAMILY
- GET THE DETAILS OF A PARTICULAR JOB FAMILY
- UPDATE THE DETAILS OF A JOB TYPE
- GET THE DETAILS OF A PARTICULAR JOB TYPE
- UPDATE THE DETAILS OF A ROLE
- GET THE DETAILS OF A PARTICULAR ROLE
- UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION
- GET THE DETAILS OF AN ORGANIZATION
- UPDATE THE DETAILS OF A COMPETENCY
- GET THE DETAILS OF A PARTICULAR COMPETENCY
- UPDATE THE DETAILS OF A COMPETENCY
- GET THE DETAILS OF A PARTICULAR COMPETENCY
- GET THE REQUIRED PROFILE DETAILS OF A PARTICULAR PERSON
- UPDATE A PROFILE FOR GIVEN PERSON ID [EXTERNAL]
- UPDATE A PROFILE FOR GIVEN PERSON ID [INTERNAL]

- UPDATE A PERSON'S FLIGHTRISK DETAILS
- UPDATE COREPROFILE DETAILS OF A PERSON
- UPDATE THE RETIREMENT RISK DETAILS OF A PERSON
- UPDATE THE POTENTIAL RATING DETAILS OF A PERSON
- UPDATE THE SABA MEETING PROFILE DETAILS OF A PERSON
- UPDATE THE INTERESTS DETAILS OF A PERSON
- UPDATE THE TEAM DETAILS OF A PERSON
- GET THE DETAILS OF A PARTICULAR POSITION

How does it work now?

These REST APIs now also accept user-friendly IDs in addition to the internal IDs.

UPDATE THE DETAILS OF A FACILITY

URL

https://<hostname-api.sabacloud.com>/v1/facility/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the facility_no instead of the internal Facility's ID.

https://<hostname-api.sabacloud.com>/v1/facility/facility_no%3D<FacilityNo>

GET THE DETAILS OF A PARTICULAR FACILITY

URL

https://<hostname-api.sabacloud.com>/v1/facility/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the facility_no instead of the internal Facility's ID.

https://<hostname-api.sabacloud.com>/v1/facility/facility_no%3D<FacilityNo>

UPDATE THE DETAILS OF A LOCATION

URL

https://<hostname-api.sabacloud.com>/v1/location/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the loc_no instead of the internal Location's ID.

https://<hostname-api.sabacloud.com>/v1/location/loc_no%3D<LocationNo>

GET THE DETAILS OF A PARTICULAR LOCATION

URL

https://<hostname-api.sabacloud.com>/v1/location/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the loc_no instead of the internal Location's ID.

https://<hostname-api.sabacloud.com>/v1/location/loc_no%3D<LocationNo>

UPDATE THE DETAILS OF A JOB FAMILY

URL

https://<hostname-api.sabacloud.com>/v1/jobfamily/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Job Family's ID.

https://<hostname-api.sabacloud.com>/v1/jobfamily/name%3D<JobFamilyName>

GET THE DETAILS OF A PARTICULAR JOB FAMILY

URL

https://<hostname-api.sabacloud.com>/v1/jobfamily/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Job Family's ID.

https://<hostname-api.sabacloud.com>/v1/jobfamily/name%3D<JobFamilyName>

UPDATE THE DETAILS OF A JOB TYPE

URL

https://<hostname-api.sabacloud.com>/v1/jobs/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the jobCode instead of the internal Job Type's ID.

https://<hostname-api.sabacloud.com>/v1/jobs/jobCode%3D<JobCode>

GET THE DETAILS OF A PARTICULAR JOB TYPE

URL

https://<hostname-api.sabacloud.com>/v1/jobs/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the jobCode instead of the internal Job Type's ID.

https://<hostname-api.sabacloud.com>/v1/jobs/jobCode%3D<JobCode>

UPDATE THE DETAILS OF A ROLE

URL

https://<hostname-api.sabacloud.com>/v1/role/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Role's ID.

https://<hostname-api.sabacloud.com>/v1/role/name%3D<RoleName>

GET THE DETAILS OF A PARTICULAR ROLE

URL

https://<hostname-api.sabacloud.com>/v1/role/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the internal Role's ID.

https://<hostname-api.sabacloud.com>/v1/role/name%3D<RoleName>

UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the number instead of the internal Organization's ID.

https://<hostname-api.sabacloud.com>/v1/organization/number%3D<OrgNo>

UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the number instead of the internal Organization's ID.

https://<hostname-api.sabacloud.com>/v1/organization/number%3D<OrgNo>

GET THE DETAILS OF AN ORGANIZATION

URL

https://<hostname-api.sabacloud.com>/v1/organization/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the **number** instead of the internal Organization's ID.

https://<hostname-api.sabacloud.com>/v1/organization/number%3D<OrgNo>

UPDATE THE DETAILS OF A COMPETENCY

URL

https://<hostname-api.sabacloud.com>/v1/competency/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the Competency's ID.

https://<hostname-api.sabacloud.com>/v1/competency/:id/name%3D<CompetencyName>

GET THE DETAILS OF A PARTICULAR COMPETENCY

URL

https://<hostname-api.sabacloud.com>/v1/competency/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the name instead of the Competency's ID.

https://<hostname-api.sabacloud.com>/v1/competency/:id/name%3D<CompetencyName>

GET THE REQUIRED PROFILE DETAILS OF A PARTICULAR PERSON

URL

 $https://{<} \textit{hostname-api.sabacloud.com}{>}/v1/people/:id:(:searchFields)$

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<UserName>

UPDATE A PROFILE FOR GIVEN PERSON ID [EXTERNAL]

URL

https://<hostname-api.sabacloud.com>/v1/people/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<UserName>

UPDATE A PROFILE FOR GIVEN PERSON ID [INTERNAL]

URL

https://<hostname-api.sabacloud.com>/v1/people/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<UserName>

UPDATE A PERSON'S FLIGHTRISK DETAILS

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/flightRisk/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Flight Risk's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<Username>/flightRisk/username%3D<Username>?type=:type

UPDATE COREPROFILE DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/coreProfile/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the **username** instead of the internal Core Profile's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<Username>/coreProfile/username%3D<Username>?type=:type

UPDATE THE RETIREMENT RISK DETAILS OF A PERSON

URL

https://< hostname-api.sabacloud.com > / v1/people/:personId/retirementRisk/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Retirement Risk's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<Username>/retirementRisk/username%3D<Username>?type=:type

UPDATE THE POTENTIAL RATING DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/potentialRating/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Potential Rating's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<Username>/potentialRating/username%3D<Username>?type=:type

UPDATE THE SABA MEETING PROFILE DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/centraProfile/:id

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Saba Metting Profile's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<Username>/centraProfile/username%3D<Username>?type=:type

UPDATE THE INTERESTS DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/interests/:personId

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<UserName>/interests/username%3D<UserName>

UPDATE THE TEAM DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/teamInfo/:personId

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://<hostname-api.sabacloud.com>/v1/people/username%3D<UserName>/teamInfo/username%3D<UserName>

UPDATE THE NETWORK INFO DETAILS OF A PERSON

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id/networkInfo/:personId

URL (User-friendly)

You can use a user-friendly URL which accepts the username instead of the internal Person's ID.

https://< hostname-api.sabacloud.com > /v1/people/username % 3D < UserName > /networkInfo/username %

GET THE DETAILS OF A PARTICULAR POSITION

URL

https://<hostname-api.sabacloud.com>/v1/position/:id:(:searchFields)

URL (User-friendly)

You can use a user-friendly URL which accepts the **position_id** instead of the internal Position's ID.

https://<hostname-api.sabacloud.com>/v1/position/position_id%3D<PositionID see on UI>



Note: For more details on this see REST API Reference.

Use case

Many attributes are identified by internal IDs. The developer first needs to GET the internal ID before using it as an attribute. This enhancement makes the REST APIs more user friendly by now accepting user-friendly IDs in addition to the internal IDs.

The Create/Update Course REST APIs now considers the Customer Service Representative value

How did it work?

The CREATE A NEW COURSE and UPDATE THE DETAILS OF A COURSE REST APIs did not support the Customer Service Representative value.

How does it work now?

The CREATE A NEW COURSE and UPDATE THE DETAILS OF A COURSE REST APIs now supports the Customer Service Representative value.

CREATE A NEW COURSE

Overview

Creates a new course

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/course

Calling Options

Table 33: Calling Options

Name	Description	Sample Value	Data Type	Required?
featured	Whether featured?	false	string	No
validTill	Valid till	0	string	No
type	Туре	0	string	No
description	Description	TestCourse12	string	Yes
avail_web	Available for web?	true	string	No

Name	Description	Sample Value	Data Type	Required?
training_units	Training Units	0	string	No
notifyBefore	Notify Before	1	string	No
avail_call_center	Available for Call Center?	true	string	No
price	Price	"null"	string	No
avail_from	Available From	2013-11-12T00:00:00	string	Yes
recertWindow	Recertification window	0	string	No
disc_from	Discontinued from	2017-11-12T00:00:00	string	No
min_ct	Min Count	0	string	No
version	Version		string	No
title	Title	tets	string	Yes
published	Published	false	string	No
max_ct	Max Count	0	string	No
abstrac	Abstract	"null"	string	No
audienceType	Audience Type		string	No
target_days	Target Days As Int	0	string	No
course_no	Course No	00006713	string	Yes
discontinued	Discontinued	false	string	No
displayName	Display Name	"null"	string	No

Name	Description	Sample Value	Data Type	Required?
securityDomain	Security Domain	{ "id": "dom~ in000000000001", "name": "world" }	string	Yes
field_of_study	Field of study	{ "fosId": { "id": "fld::::::::::::::::::::::::::::::::::::	string	No
required_prerequisites	Required prerequisites	{ "courseId": { "id": "cors0000000202785" }	string	No
recommended_pre~ requisites	Recommended prerequisites	{ "courseId": { "id": "cors000000000202785" }	string	No
customValues	Custom fields	"custom0": "1"	string	No
csr_id	Customer Service Represent~ ative	{ "id": "em~ plo00000000533317", "displayName": "user one" }	string	No

Request Body

```
"featured": "false",
  "validTill": "0",
  "type": "0",
  "domain": {
     "displayName": "Domain2"
  "audienceType": [{
      "audience_type_id": {
          "id": "audie000000000200000",
          "displayName": "CustomerType1"
  }],
  "required_prerequisites": [{
     "courseId": {
         "id": "cours000000000202785"
      "courseNumber": "A"
  "recommended_prerequisites": [{
     "courseNumber": "WBT_BASE"
      "courseId": {
         "id": "cours000000000200026"
      "courseNumber": "EMAY"
  "field_of_study": [{
      "fosId": {
         "id": "fldst000000000001001"
      "credits": "2"
      "fosId": {
         "displayName": "FOS1"
      "credits": "5"
  }],
  "version": "v15",
"csr_id": {
      "id": "emplo00000000533317",
      "displayName": "user one"
  "customValues": {
      "@type": "map",
      "custom0": "1",
      "custom11": null,
      "custom10": null,
      "custom9": null,
      "custom13": null,
      "custom12": null,
      "custom14": null,
      "custom3": null,
      "custom4": null,
      "custom1": null,
      "custom2": null,
      "custom7": null,
      "custom8": null,
      "custom5": null,
```

```
"custom6": null
    "description": "hi, this is interesting",
    "avail_web": "true"
    "traininig_units": "12",
    "avail_call_center": "true",
    "price": "12",
    "avail_from": "2013-08-12T00:00:00",
    "recertWindow": "0",
    "disc_from": "2018-11-12T00:00:00",
    "title": "New_sept15",
    "abstrac": "null",
    "target_days": "0"
    "course_no": "00006728",
    "published": "false",
    "discontinued": "false"
}
```

Return Values

```
"tags": [],
"abstrac": "",
"category": [],
"avail_from": "2016-03-21T00:00:00.000-0400",
"title": "dfgfdgdf",
"validtill type": 0,
"validtill_frequency": null,
"validtill daymonth": null,
"validtill_start_daymonth": null,
"avail_web": true,
"avail_call_center": false,
"published": true,
"course no": "DDDDSDAS",
"validtill_unit": 0,
"vendor_id": null,
"csr_id": {
    "id": "emplo00000000533317",
    "displayName": "user one"
"subscribed": false,
"audienceType": [],
"updated_on": "2016-03-21T06:38:30.000-0400",
"created_by": "uone",
"updated_by": "uone"
"created_on": "2016-03-21T06:38:30.000-0400",
"created_id": "emplo00000000533317",
"training_units": 0,
"test": false,
"field_of_study": [],
"recommended_prerequisites": [],
"required_prerequisites": [],
"allPrices": [
        "amount": 0,
        "displayValue": "0 USD",
        "curr_id": {
            "id": "crncy000000000000167",
            "displayName": "US Dollars"
        "id": "plent000000000069938"
```

```
"image":
"https://static-<hostname>/assets/s/1jydso303bos4/spf/skin/wireframe/media/images/CoursesEcommerce.png",
    "consume_within_cert": false,
    "show_web2_0_actions": true,
    "max_ct": null,
    "min_ct": null,
    "waitlist_max": null,
    "recertwindow_unit": 0,
    "deepLinkUrls": [
"https://<hostname>/Saba/Web_spf/ATHDB1/common/ledetail/cours000000000040770",
        "https://<hostname>/Saba/Web spf/ATHDB1/common/ledetail/DDDDSDAS"
    "version": null,
    "language": [
            "str1": "0000000000",
            "language_id": {
                 "id": "lange000000000000001",
                 "displayName": "English"
            "id": "g12rc00000000079263"
    ],
    "parent_id": null,
    "type": 0,
    "owner": [],
    "valid_till": null,
    "notify_before": null,
    "recert_window": null,
    "featured": false,
    "createGroupPolicyVal": false,
    "target_days": 0,
    "description": "TestCourse12",
    "status": "INEFFECT",
    "customValues": {
        "ExCustom4": null,
        "ExCustom5": null,
        "custom0": null,
        "ExCustom8": null,
        "ExCustom9": null,
        "custom1": null,
        "ExCustom3": null,
        "ExCustom1": null
    "securityDomain": {
        "id": "domin000000000000001",
        "displayName": "world,domain"
    "id": "cours00000000040770",
    "href":
"https://<hostname-api.sabacloud.com>/v1/course/cours00000000040770"
}
```

UPDATE THE DETAILS OF A COURSE

Overview

Update a course

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/course/:courseid

Calling Options

Table 34: Calling Options

Name	Description	Sample Value	Data Type	Required?
courseid	Course's ID	cours000000000202108	string	Yes
featured	Whether featured?	false	string	No
validTill	Valid till	0	string	No
type	Туре	0	string	No
description	Description	TestCourse12	string	Yes
avail_web	Available for web?	true	string	No
training_units	Training Units	0	string	No
notifyBefore	Notify Before	1	string	No
avail_call_center	Available for Call Center?	true	string	No
price	Price	"null"	string	No
avail_from	Available From	2013-11-12T00:00:00	string	Yes
recertWindow	Recertification window	0	string	No
disc_from	Discontinued from	2017-11-12T00:00:00	string	No
min_ct	Min Count	0	string	No
version	Version		string	No
title	Title	tets	string	Yes
published	Published?	false	string	No

Name	Description	Sample Value	Data Type	Required?
max_ct	Max Count	0	string	No
abstrac	Abstract	"null"	string	No
audienceType	Audience Type		string	No
target_days	Target Days As Int	0	string	No
course_no	Course No	00006713	string	Yes
discontinued	Discontinued?	false	string	No
displayName	Display Name	"null"	string	No

Name	Description	Sample Value	Data Type	Required?
securityDomain	Security Domain	{ "id": "dom~ ir00000000000001", "name": "world" }	string	Yes
field_of_study	Field of study	{ "fosId": { "id": "fld=0000000000000001"	string	No
required_prerequisites	Required prerequisites	{ "courseId": { "id": "cars000000022785" }	string	No
recommended_pre~ requisites	Recommended prerequisites	{ "courseId": { "id": "cours00000000202785" }	string	No
customValues	Custom fields	"custom0": "1"	string	No
csr_id	Customer Service Represent~ ative	{ "id": "em~ plo00000000533317", "displayName": "user one" }	string	No

Request Body

```
"featured": "false",
    "validTill": "0",
    "type": "0",
    "domain": {
    "displayName": "Domain1"
    "audienceType": [
      "audience_type_id": {
        "id": "audie000000000200000",
        "displayName": "CustomerType1"
    "csr_id": {
     "id": "emplo00000000533317",
      "displayName": "user one"
    },
    "required_prerequisites" :[{"courseId" : {"id" :
"cours00000000202785"}}, { "courseNumber": "A"}],
    "recommended_prerequisites" :[{"courseNumber": "WBT_BASE"},{"courseId":
{"id": "cours000000000200026"}}, {"courseNumber": "EMAY"}],
    "field_of_study": [{"fosId" : {"id":
"fldst000000000001001"}, "credits": "2"}, { "fosId": { "displayName":
"FOS1"}, "credits": "5"}],
    "version": "v16",
   "customValues" : {"@type":"map" ,"custom0": "1",
    "custom11": null,
    "custom10": null,
    "custom9": null,
    "custom13": null,
    "custom12": null,
    "custom14": null,
    "custom3": null,
    "custom4": null,
    "custom1": null,
    "custom2": null,
    "custom7": null,
    "custom8": null,
    "custom5": null,
    "custom6": null},
    "description": "hi, this is interesting",
    "avail_web": "true",
    "traininig_units": "12",
    "avail call center": "true",
    "price": "12",
    "avail_from": "2013-08-12T00:00:00",
    "recertWindow": "0",
    "disc_from": "2018-11-12T00:00:00",
    "title": "New_sept15",
    "abstrac": "null",
    "target_days":"0",
    "course_no": "00006729",
    "published": "false",
    "discontinued": "false"
}
```

Note: For more details on this see REST API Reference.

Use case

N/A

Audience Type to support Lookup

How did it work?

The UPDATE AUDIENCE TYPES / AUDIENCE SUB TYPES ASSIGNED TO A PERSON REST API did not support accepting the audience type as a lookup value.

How does it work now?

The UPDATE AUDIENCE TYPES / AUDIENCE SUB TYPES ASSIGNED TO A PERSON REST API now supports accepting the audience type as a lookup value.

UPDATE AUDIENCE TYPES / AUDIENCE SUB TYPES ASSIGNED TO A PERSON

Overview

Updates the audience types of a Person / Employee to the list sent as Input JSON. Any existing Audience Types not part of the current list will be deleted and those not already present will be added.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/people/:person_id

Calling Options

Table 35: Calling Options

Name	Description	Sample Value	Data Type	Required?
person_id	Person / Employee ID of person to whom Audience / Sub Audience Type is to be assigned	per~ sn00000000001000	string	Yes
audiencetypes	List of Audience Types / Audience Sub Types to be assigned to a person	[{\"displayName\": \"Audience Type 1\", \"id\": \"ark000000001165\"},{\"ds- playName\": \"Audi~ ence Sub Type 1\", \"id\": \"seatc00000000001165\"}]	string	Yes

Request Body

```
"audiencetypes": [
{"id":"audie000000000001105"},
{ "id": "audie0000000000001106 " }
```

Request Body (Using lookup)

```
"audiencetypes": [
    {"displayName": "Contractors"},
    {"displayName": "Engineering"}
}
```

Note: For more details on this see REST API Reference.

Use case

N/A

Merge Person's Profile API to support Audience type merge and Person number swapping

How did it work?

The Merge Person's Profile API did not support Audience type and Person number swapping.

How does it work now?

The Merge Person's Profile API now supports the Audience type and Person number swapping.

MERGE PERSON'S PROFILE

Overview

When a learner moves from one external organization to another, there is a need to move history of completed learning elements. This API merges a peron's profile.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/common/profile/:personId/action/merge

Calling Options

Table 36: Calling Options

Name	Description	Sample Value	Data Type	Required?
personId	Primary Person / Employee's ID	per~ sn000000000001000	string	Yes
@type	Input JSON class name	com.saba.rest.busi~ nesscomponent .dto.ProfileMergeDTO	string	Yes
secondaryPersonId	Secondary Person / Employ~ ee's ID	em~ plo000000000201009	string	Yes
secPersonStatusAfter~ Merge	Secondary person's status after merge	Terminated	string	No
isMergeSecuri~ tyChecked	Whether to merge Security Roles or not	true	string	Yes
isrecalculate~ CompStatusChecked	Whether to recalculate com~ pletion status for Certifica~ tions/Curriculum or not	true	string	Yes
isMergeVcAndBlen~ dedClassChecked	Whether to merge Virtual and Blended class Tran~ scripts or not	true	string	Yes
isMergeAudience~ TypeChecked	Whether to merge Audience Type or not	false	string	Yes
isSwapPersonNum~ berChecked	Whether to swap Person No or not	false	string	Yes

Request Body

```
{
   "@type": "com.saba.rest.businesscomponent.dto.ProfileMergeDTO",
   "secondaryPersonId": "emplo00000000200928",
   "secPersonStatusAfterMerge": "Terminated",
   "isMergeSecurityChecked":false,
   "isMergeVcAndBlendedClassChecked":false,
   "isrecalculateCompStatusChecked":false,
   "isMergeAudienceTypeChecked":true,
   "isSwapPersonNumberChecked":true
}
```

Return Values

```
{
    "@type": "org.codehaus.jackson.node.ObjectNode",
    "href":
```

```
"http://<hostname-api.sabacloud.com>/v1/common/profile/emplo0000000000000074/resource"
```

Note: For more details on this see REST API Reference.

Use case

When a learner moves from one external organization to another, there is a need to move history of completed learning elements. The current web services to create Adhoc transcripts, grant certifications and curriculums meet this need. But it results in multiple calls. Using this Web service, the people admin should be able to merge two profiles. The destination profile should have completed courses, acquired certifications, and acquired curriculums from the source profile.

GETTHE DETAILS OF A PARTICULAR GOAL API to provide last progress details

How did it work?

The GET THE DETAILS OF A PARTICULAR GOAL API did not support returning the last progress details of a goal.

How does it work now?

The GET THE DETAILS OF A PARTICULAR GOAL API now supports returning the last progress details of a goal by passing **progress** as the value to the **searchFields** parameter.

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals/gasgn0000000001336**?searchFields=progress**

Sample progress detail attribute value:

```
"goalProgressDetail": {
        "comment": "Hello coment onlydsdssadsad ddd",
        "overwritePercentage": false,
        "pictureURL":
"http://<hostname>/production/employeePicture/notdc000000000201236_employeePicture.JPEG",
        "progressId": "gprog00000000003791",
        "goalUnit": null,
        "sortNumber": 4,
        "percentageCompleted": 0,
        "observationDate": 1459499311000,
        "assignmentId": "gasgn000000000001336",
        "currentValue": null,
        "metadata": null,
        "goalStatus": {
            "statusValue": "gstts000000000001002",
            "id": "gstts000000000001002",
            "displayName": "Completed",
            "locale": null,
            "primaryKey": {
                "id": "gstts000000000001002",
                "prefix": "gstts"
        "progressReporter": {
            "sourceType": "InternalPerson",
            "activitySourceType": {
```

```
"sourceType": 0,
    "listId": "sysli000000000003037",
    "key": "0",
    "displayName": "Person"
},
"id": "emplo00000000001000",
"displayName": "User One",
"locale": null
```

Note: For more details on this see REST API Reference.

Use case

This enhancement updates the existing REST API to now also return the last progress details of a goal.

Search for people based on whether they are marked as a resource

How did it work?

The SEARCH PROFILE INFORMATION and FIND PROFILE INFORMATION APIs did not support searching for people based on whether they are marked as a resource.

How does it work now?

The SEARCH PROFILE INFORMATION and FIND PROFILE INFORMATION APIs now support searching for people based on whether they are marked as a resource using a new search attribute called is_resource.

FIND PROFILE INFORMATION

To retrieve people based on whether they are Instructors:

https://<hostname-api.sabacloud.com>/v1/people?type=internal&q=(is_resource%3D%3Dtrue)

Return Values:

```
"facets": [],
    "startIndex": 1,
    "hasMoreResults": true,
    "totalResults": 15,
    "itemsPerPage": 1,
    "results": [
            " is_resource": true,
            "id": "emplo000000000200091",
            "href":
"https://<hostname>-api.sabacloud.com/v1/people/emplo0000000000200091"
}
```

SEARCH PROFILE INFORMATION

To retrieve people based on whether they are Instructors:

https://<hostname-api.sabacloud.com>/v1/people/searchQuery?type=internal&f=(username,city,state)

Request Body:

```
"conditions" :
  [
             "name": "is_ resource",
                "operator": "==",
             "value":"true"
]
```

Return Values:

```
"facets": [],
    "startIndex": 1,
    "hasMoreResults": true,
    "totalResults": 15,
    "itemsPerPage": 1,
    "results": [
            " is_resource": true,
            "id": "emplo000000000200091",
            "href":
"https://<hostname>-api.sabacloud.com/v1/people/emplo000000000200091"
```

Note: For more details on this see REST API Reference.

Use case

The current REST API for finding people information does not allow searching for people based on whether they are marked as a resource or not. This enhancement makes it possible.

Audience Type support for the Certification and Curriculum Search APIs

How did it work?

The FIND THE DETAILS OF THE CERTIFICATION/CURRICULUM REST API did not support accepting the audience type check parameter as a search query parameter which means it does not verify the audience types before returning the certification and curricula.

How does it work now?

The FIND THE DETAILS OF THE CERTIFICATION/CURRICULUM REST API now supports accepting the audience type check parameter (at_check) as a search query parameter.

Adding this condition peforms an Audience Type check and only the certifications / curricula matching the Audience Type of the learner will be returned.

Note: Irrespective of the value of the at_check query parameter, the Audience Type check will be done, if it is added in the search query.

FIND THE DETAILS OF THE CERTIFICATION/CURRICULUM

Overview

Returns the details of the Certification/Curriculum along with the ID, Name and the Deeplink URL based on the provided search criteria.

Requires OAuth

No

Method

GET

URL

 $https://< \textit{hostname-api.sabacloud.com} > \v1/: component Name? q = (:criteria_field = :field_value) \& count = :count \& startPage = :startPage = :$

Examples

https://<hostname-api.sabacloud.com>/v1/certification?q=(name%3D%3D001Certificate,at_check%3D%3Dtrue) https://<hostname-api.sabacloud.com>/v1/curriculum?q=(name%3D%3Dcurricula1,at_check%3D%3Dtrue)

Calling Options

Table 37: Calling Options

Name	Description	Sample Value	Data Type	Required?
componentName	The name of the desired component (certification or curriculum).	curriculum	enumerated	Yes
criteria_field	The search criteria i.e. the field name. You can use any field with "isSearchFilter": true. Note: To find out the fields that have "is~ SearchFilter": true, in~ voke the "Get the Meta details" REST APIs.	name	string	Yes
field_value	The search value for the specified search criteria.	abc	string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

Note: For more details on this see REST API Reference.

Use case

Till now the certification and curriculum search web service took into account the security roles, domains and privileges of the logged in user. All along, it was fine because these APIs have been called in the Admin context. Now, with end users invoking the APIs, there are other parameters that need to be included while determining whether to give access (read or write or both). This enhancement adds a new parameter for the audience type check. If a learner searches the catalog, then this web service will return only the certification and curricula whose Audience Types aligns with Audience Type of the learner.

Lookup support for the Transcript API

How did it work?

The CREATE A NEW TRANSCRIPT REST API only accepted internal IDs to identify a learner.

How does it work now?

In the CREATE A NEW TRANSCRIPT REST API the following fields can be used as a lookup to identify a learner for the **learners** or the **deliveredby** attributes:

- ID
- Username
- person_no
- email
- ss_no

CREATE A NEW TRANSCRIPT

Overview

Creates a new transcript. If the CourseID is passed as an input, then the REST API will work as it is. If the CourseID is not passed but the CourseNo or CourseName is passed as an input, the REST API will consider it as an existing catalog otherwise as a non-existing catalog and create a new course based on CourseNo and CourseName details.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/transcript

Calling Options

Table 38: Calling Options

Name	Description	Sample Value	Data Type	Required?
@type	@type	com.saba.offering.ad~ hoclearning.Ad~ HocLearningTran~ scriptDetail	string	Yes

Name	Description	Sample Value	Data Type	Required?
learners	Learners learnerId supports lookup (ID, Username, person_no, email, ss_no).		string	Yes
location	Location	Pune	string	No
deliveryType	Delivery Type	eqcat0000000000000004	string	No
completionDate	Completion Date	2013-11-18	string	Yes
fos	FOS		string	No
competencies	Competencies		string	No
courseId	Course's ID		string	Yes
endTime	End Time		string	No
version	Version	1.1	string	No
startTime	Start Time		string	No
deliveredBy	Delivered By Supports lookup (ID, User~name, person_no, email, ss_no).		string	No
duration	Duration		string	No
offeringEndDate	Offering End Date		string	No
description	Description		string	No
courseNo	Course No		string	No
offeringStartDate	Offering Start Date		string	No
courseName	Course Name	testing	string	Yes
defaultCourseCredits	Default Course Credits		string	No
customValues	Custom values	[\"list\",[{\"@type\": \"CustomAttributeVal~ ueDetail\",\"name\": \"custom0\",\"data~ type\": {\"@type\": \"CustomAttribute~ Datatype\",\"value\": 18},\"value\": null,	string	No

Name	Description	Sample Value	Data Type	Required?
		\"displayName\":		
		\"cus~		
		tom0\"},{\"@type\":		
		\"CustomAttributeVal~		
		ueDe~		
		tail\",\"name\":\"cus~		
		tom1\", \"datatype\":		
		{\"@type\": \"Custom~		
		AttributeData~		
		type\",\"value\": 18},		
		\"value\": null,\"dis~		
		playName\": \"cus~		
		tom1\"},{ \"@type\":		
		\"CustomAttributeVal~		
		ueDetail\",\"name\":		
		\"custom2\",\"data~		
		type\": {\"@type\":		
		\"CustomAttribute~		
		Datatype\",\"value\":		
		18}, \"value\":		
		null,\"displayName\":		
		\"custom2\"},{		
		\"@type\": \"Custom~		
		AttributeValueDe~		
		tail\",\"name\": \"cus~		
		tom3\",\"datatype\": {		
		\"@type\": \"Custom~		
		AttributeData~		
		type\",\"value\": 18 },		
		\"value\": null,\"dis~		
		playName\": \"cus~		
		tom3\"}]]		
		, , , , ,		

Request Body (Using lookups to identify a learner)

```
{
   "@type": "com.saba.offering.adhoclearning.AdHocLearningTranscriptDetail",
   "learners":[
      "java.util.ArrayList",
            "@type":"com.saba.offering.adhoclearning.LearnerInfo",
            "learnerId": "uone@saba.com",
            "grade":null,
            "score":[
               "java.math.BigDecimal",
            ],
            "completedOnDate":{
               "@type": "date",
               "time": "2013-11-06"
            "addedToProfileOn":{
               "@type": "date",
               "time":"2013-11-05"
```

```
}
   ]
 ],
 "location": "Pune",
 "deliveryType": "eqcat000000000000004",
 "fos":[
    "java.util.ArrayList",
    [
          "@type": "com.saba.offering.adhoclearning.FOSInfo",
          "fosId": "fldst00000000001043",
          "credits":[
             "java.math.BigDecimal",
             23
       }
    ]
 ],
 "competencies":[
    "java.util.ArrayList",
          "@type":"com.saba.offering.adhoclearning.CompetencyInfo",
          "competencyId": "compt00000000001003",
          "competencyLevelId": "cplvl000000000001029"
    ]
 ],
 "courseId": "cours00000000200400",
 "courseNo":null,
 "courseName":null,
"deliveredBy": "457-55-5462",
 "defaultCourseCredits":[
    "java.math.BigDecimal",
 ],
 "customValues":[
    "list",
    Γ
          "@type":"CustomAttributeValueDetail",
          "name": "custom0",
          "datatype":{
             "@type": "CustomAttributeDatatype",
             "value":18
          "value":"test_custom_1",
          "displayName": "custom0"
          "@type":"CustomAttributeValueDetail",
          "name": "custom1",
          "datatype":{
             "@type": "CustomAttributeDatatype",
             "value":18
          "value":null,
          "displayName": "custom1"
       },
{
          "@type": "CustomAttributeValueDetail",
```

```
"name":"custom2",
    "datatype":{
        "@type":"CustomAttributeDatatype",
        "value":18
},
    "value":null,
    "displayName":"custom2"

},

{
    "@type":"CustomAttributeValueDetail",
    "name":"custom3",
    "datatype":{
        "@type":"CustomAttributeDatatype",
        "value":18
    },
    "value":null,
    "displayName":"custom3"
}

}
```

Return Values

```
"@type": "com.saba.learning.services.transcript.AdhocTranscriptCreationInfo",
"errorCount": 0,
"errorMap": {
  "@type": "map"
"successMap": {
  "@type": "map",
  "persn00000000001000": {
    "@type": "com.saba.learning.services.transcript.TranscriptInfo",
    "transcriptId": "ofapr00000000005792",
    "transcriptStatus": {
      "@type": "com.saba.offering.offeringaction.CompletionStatus",
      "description": "Successful",
      "statusIntValue": 200,
      "statusValue": "200",
      "name": "Successful",
      "key": "200"
},
"successCount": 1,
"courseId": "cours00000000200400"
```

Note: For more details on this see REST API Reference.

Use case

Transcripts can now be created/updated using the above mentioned fields instead of internal IDs.

Lookup support for additional REST APIs

How did it work?

The Lookup support was missing for some REST APIs.

How does it work now?

The lookup support is now available for the following REST APIs.

Profile

- CREATE A PROFILE [EXTERNAL PERSON]
- CREATE A PROFILE [INTERNAL PERSON]
- UPDATE A PROFILE FOR GIVEN PERSON ID [EXTERNAL]
- UPDATE A PROFILE FOR GIVEN PERSON ID [INTERNAL]
- UPDATE A PROFILE FOR GIVEN PERSON NAME [EXTERNAL]
- UPDATE A PROFILE FOR GIVEN PERSON NAME [INTERNAL]

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name	
securityDomain	Domain name Domain		
timezone_id	Timezone name Time Zone		
currency_id	ISO code of currency	Currency	
requiredJobRoles	Name of the Job Role	Role	
optionalJobRoles	Name of the Job Role	Role	
home_company_id	Organization number / Organization name	Organization, External / Organization, Internal	
location_id	loc_name (displayName)	Location	
company_id	Organization number / Organization name	Organization, External / Organization, Internal	
home_domain	Domain name	Domain	
manager_id	Username of Person	Person, Internal/ Person, External	
jobtype_id	Name of the Job Type	ЈовТуре	

Organization

- CREATE A NEW INTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN INTERNAL ORGANIZATION
- CREATE A NEW EXTERNAL ORGANIZATION
- UPDATE THE DETAILS OF AN EXTERNAL ORGANIZATION

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
parent_id	Organization number / Organization name	Organization, External / Organization, Internal
currency_id	ISO code of currency	Currency
contact_id	Username of Person	Person, Internal/ Person, External
securityDomain	Domain name	Domain
objectives_administrator	Username of Person	Person, Internal/ Person, External
childorg	Organization number / Organization name	Organization, External / Organization, Internal
budgetapprover	Username of Person	Person, Internal/ Person, External
continueeducation	Continue education name	CEPlan

Location

- CREATE A NEW LOCATION
- UPDATE THE DETAILS OF A PARTICULAR LOCATION

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
timezone_id	Timezone name	Time Zone
dept_id	Organization number / Organization name	Organization, External / Organization, Internal
contact_id	Username of Person	Person, Internal/ Person, External
securityDomain	Domain name	Domain
owner	Username of Person	Person, Internal/ Person, External

Facility

- CREATE A NEW FACILITY
- UPDATE THE DETAILS OF A FACILITY

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
location_id	loc_name (displayName)	Location
securityDomain	Domain name	Domain
owner	Username of Person	Person, Internal/ Person, External

Job Family

- CREATE A NEW JOB FAMILY
- UPDATE THE DETAILS OF A JOB FAMILY

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
job	JobCode	JobType

Job Type

- CREATE A NEW JOB TYPE
- UPDATE THE DETAILS OF A JOB TYPE

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
family_id	Job family name	JobFamily
role	Role name	Role
nextcareerstep	jobcode	JobType
securityDomain	Domain name	Domain

Role

- CREATE A NEW ROLE
- UPDATE THE DETAILS OF A ROLE

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
securityDomain	Domain name	Domain
skill	Competency name	Competency
owner	Username of person	Person, Internal/ Person, External
continueeducation	Continue education name	CEPlan
checklist	Checklist name	Checklist
learningevent	For course : course_no / title; for certi~ fication and curricula : Name of certi~ fication / curricula	Offering Template/ Certification/ Cur~riculum

Competency

- CREATE A NEW COMPETENCY
- UPDATE THE DETAILS OF A COMPETENCY

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
securityDomain	Domain name	Domain
skillGroup	Skill group name	CompetencyGroup
behavioralindicator	Behavioral Indicator name	Competency Evidence
proficiency	Proficiency name	CompetencyLevel

Position

- CREATE A NEW POSITION
- UPDATE THE DETAILS OF A POSITION

Attributes that support lookup

JSON Attribute	UI Attribute	Component Name
securityDomain	Domain name	Domain
Organization	Organization number / Organization name	Organization, External / Organization, Internal
location	Loc_no / loc_name	Location
Job	JobCode	JobType

Note: For more details on this, see Introduction > Some Quick Info > Using Lookup fields topic of REST API Reference.

Use case

Many attributes and resources are identified by a 20 char internal ID. The developer first needs to GET the 20 char internal ID before using it as an attribute of another resource. Developer also needs to retrieve 20 char ID of a person to perform any updates on that person. This is not efficient. This enhancement addresses such issues by adding the lookup support for many attributes.

Order details API to return Billing Address and Payment details

How did it work?

The GET THE ORDER DETAILS OF A PARTICULAR ORDER REST API did not return the Billing Address and Payment details.

How does it work now?

The GET THE ORDER DETAILS OF A PARTICULAR ORDER REST API now returns the Billing Address and Payment details.

GET THE ORDER DETAILS OF A PARTICULAR ORDER

Overview

Returns the order details of a particular order.

Requires OAuth

No

Method

GET

URL

http://<hostname-api.sabacloud.com>/v1/learning/order/:id

Calling Options

Table 39: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Order's ID	in~ tor000000000203305	string	Yes

Return Values (Sample of Billing Address details)

```
billingAddress: {
        componentName: "Address",
        addressString: "Addr1=bill_addr1, Addr2=bill_addr2 Addr3=,
City=bill_city, State=bill_state, Zip=bill_zip, Country=bill_country",
        email: null,
        addr1: "bill_addr1",
        addr2: "bill_addr2",
        city: "bill_city",
        zip: "bill_zip",
        addr3: "",
        incomplete: false,
        tag: 0,
        state: "bill_state",
        country: "bill_country",
        owner: null,
        primaryKey: null,
        locale: null,
        id: null,
        displayName: null,
        updateMetadata: null,
        auditReason: "audit with reason"
```

Return Values (Sample of Payment details)

```
},
      trainingUnits:null,
      subscriptionId:null,
      paymentType:{
         paymentType:11,
         name: "CyberSource",
         displayName: "CyberSource"
      },
      subscriptionNo:null,
      trainingUnitAgreement:null,
      purchaseOrder:null,
      paymentStatus: {
         paymentStatus:1,
         name: "PaymentCompleted",
         displayName: "Payment completed"
      learningSubscriptionId:null,
      invoiceNo:null,
      address:{
         componentName: "Address",
         addressString: "Addr1=billing1, Addr2=b2 Addr3=b3, City=bc, State=bs,
 Zip=bz, Country=AL",
         email:null,
         addr1: "billing1",
         addr2: "b2",
         city: "bc",
         zip: "bz",
         addr3:"b3"
         incomplete: false,
         tag:0,
         state: "bs"
         country: "AL",
         owner:null,
         primaryKey:null,
         locale:null,
         id:null,
         displayName:null,
         updateMetadata:null,
         auditReason: "audit with reason"
      id: "mopay00000000010420",
      owner: {
         id: "intor00000011130229",
         displayName:null
],
```

Note: For more details on this see REST API Reference.

Use case

Extended enterprise customers have extensive integrations with tax and CRM systems to pass order and payment information. This enhancement will help close some gaps related to the order information that is available in Saba Cloud which could not be pulled from REST API.

Enrollment details API now considers BST

How did it work?

The GET THE DETAILS OF AN ENROLLMENT REST API did return timezone details in British Summer Time.

How does it work now?

The GET THE DETAILS OF AN ENROLLMENT REST API now returns the timezone details in British Summer Time.

GET THE DETAILS OF AN ENROLLMENT

Overview

Returns the details of the enrollment.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/enrollments/:id/sections:regdetail,classdetail,actions,sessionsdetail,learningAssignments

Calling Options

Table 40: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Registration's ID	reg~ dw000000000004020	string	Yes

```
Output JSON:
 "@type": "com.saba.learning.services.registration.ClassRegistrationDetail",
 "learningEventDetail": {
  "@type": "LearningEventDetail",
  "securityDomain": null,
  "customValues": null,
  "paths": null,
  "title": null,
  "vendor": null,
  "recurring": false,
  "validTill": 0,
  "notifyBefore": 0,
  "validTillType": 0,
  "validTillFrequency": null,
  "validTillDayMonth": null,
  "validTillStartDayMonth": null,
```

```
"sensitive": false,
"validTillUnit": 0,
"componentName": null,
"availableFrom": null,
"discontinuedFrom": null,
"suppressscore": false,
"showWeb2_0_actions": false,
"consumeWithinCert": false,
"discontinued": false,
"targetDays": null,
"completedSuccessfully": true,
"completed": false,
"notes": null,
"ratings": null,
"socialProfile": null,
"owners": null,
"learningEventType": null,
"publishToCatalog": false,
"imageURL": "",
"learnerCredits": null,
"associatedLearning": null,
"learningEventId": null,
"recertWindowUnit": 0,
"pastCreditDays": 0,
"historyLookupPolicy": null,
"tagDetails": null,
"continuousLaunchEnabled": false,
"oneClickRegEnabled": false,
"learningEventOwners": null,
"consumptionStats": null,
"fosDetails": null,
"cpfDetail": null,
"assignmentDetails": null,
"hideClassMates": false,
"customFieldsValue": null,
"ownersValue": null,
"learnerCreditsString": "",
"offeredAs": null,
"recertWindow": 0,
"inactivePaths": null,
"hideLaunchBySequencing": null,
"blockersBySequencing": null,
"learningEventConsumers": null,
"licencePlans": null,
"practiceArea": null,
"practiceType": null,
"licenseType": null,
"numberOfRequiredCourses": null,
"errorMessages": null,
"preRequisitesAndEquivalents": null,
"description": null,
"registered": false,
"actions": null,
"id": null,
"owner": null,
"tags": null,
"version": null,
"group": null,
"status": null,
"children": null,
"tagName": null,
"primaryKey": null,
```

```
"updateMetadata": null,
"factoryName": "com.saba.learning.services.learningevent.LearningEventDetail",
 "auditReason": "audit with reason",
 "locale": null,
 "displayName": null
"registrationId": "regdw00000000306257",
"instructors": null,
"otherRegistrationsForCourse": null,
"learningAssignments": null,
"actionsForRegistration": null,
"classAttachments": null,
"consumptionData": null,
"classSessions": {
 "@type": "com.saba.learning.services.offering.OfferingScheduleDetail",
 "locationTimezone": {
  "@type": "ServiceObjectReference",
  "id": "tzone0000000000000022",
  "displayName": "Event Location(Chennai) Time Zone - BST"
},
 "userTimezone": {
  "@type": "ServiceObjectReference",
  "id": "tzone0000000000000022",
  "displayName": "BST"
 "sessionsInUserTimezone": ["list", [{
  "@type": "com.saba.learning.services.common.SessionDetail",
  "endDate": {
   "@type": "com.saba.customtypes.DateWithLocale",
   "dateInUserTimeZone": "02-MAY-2016",
   "timeInUserTimeZone": "11:00 AM",
   "timeInCustomTimeZone": null,
   "dateInCustomTimeZone": null,
   "customTimeZoneDate": 0,
   "timeInStandardFormat": "6:00 AM",
   "dateInStandardFormat": "05/02/2016",
   "timeInLocale": "6:00 AM",
   "locale": "02-MAY-2016",
   "date": 1462183200000
  },
  "startDate": {
   "@type": "com.saba.customtypes.DateWithLocale",
   "dateInUserTimeZone": "02-MAY-2016",
   "timeInUserTimeZone": "10:00 AM",
   "timeInCustomTimeZone": null,
   "dateInCustomTimeZone": null,
   "customTimeZoneDate": 0,
   "timeInStandardFormat": "5:00 AM",
   "dateInStandardFormat": "05/02/2016",
   "timeInLocale": "5:00 AM",
   "locale": "02-MAY-2016",
   "date": 1462179600000
  "launchUrl": null,
  "exportURL": null,
  "vleEventId": null,
  "vleExtId": null,
  "vleProvId": null,
  "sessionName": "1",
  "startTime": "5:00 AM",
  "endTime": "6:00 AM",
```

```
"duration": 60.0,
"resources": ["list", []],
"actions": null,
"id": "timel00000000048151"
 "@type": "com.saba.learning.services.common.SessionDetail",
 "endDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
 "dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "1:00 PM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "8:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "8:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462190400000
 "startDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
 "dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "12:00 PM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "7:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "7:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462186800000
"launchUrl": null,
"exportURL": null,
"vleEventId": null,
 "vleExtId": null,
"vleProvId": null,
"sessionName": "2",
 "startTime": "7:00 AM",
"endTime": "8:00 AM",
"duration": 60.0,
"resources": ["list", []],
"actions": null,
"id": "timel00000000048152"
}]],
"sessionsInLocationTimezone": ["list", [\{
"@type": "com.saba.learning.services.common.SessionDetail",
"endDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
 "dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "5:00 AM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "12:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "12:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462161600000
},
 "startDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
```

```
"dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "5:00 AM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "12:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "12:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462161600000
"launchUrl": null,
"exportURL": null,
"vleEventId": null,
"vleExtId": null,
"vleProvId": null,
"sessionName": "1"
"startTime": "5:00 AM",
"endTime": "6:00 AM",
"duration": 60.0,
"resources": ["list", []],
"actions": null,
"id": "timel000000000048151"
"@type": "com.saba.learning.services.common.SessionDetail",
"endDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
 "dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "5:00 AM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "12:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "12:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462161600000
"startDate": {
 "@type": "com.saba.customtypes.DateWithLocale",
 "dateInUserTimeZone": "02-MAY-2016",
 "timeInUserTimeZone": "5:00 AM",
 "timeInCustomTimeZone": null,
 "dateInCustomTimeZone": null,
 "customTimeZoneDate": 0,
 "timeInStandardFormat": "12:00 AM",
 "dateInStandardFormat": "05/02/2016",
 "timeInLocale": "12:00 AM",
 "locale": "02-MAY-2016",
 "date": 1462161600000
"launchUrl": null,
"exportURL": null,
"vleEventId": null,
"vleExtId": null,
"vleProvId": null,
"sessionName": "2",
"startTime": "7:00 AM",
"endTime": "8:00 AM",
"duration": 60.0,
"resources": ["list", []],
"actions": null,
```

```
"id": "timel000000000048152"
 exportURL": null,
 "defaultView": 0
"courseRequirers": null,
"classDetail": null,
"registrationInfo": null,
"courseSocialProfile": null,
"hideLaunchBySequencing": false,
"blockersBySequencing": null,
"group": null
```

Note: For more details on this see REST API Reference.

Use case

This enhancement ensures that this Web Service now returns the correct timezone with the correct summer time.

PROFILE REST APIs auto-assign the OOB security roles

How did it work?

The CREATE A PROFILE REST API did not auto-assign the OOB security roles as it happens when a new user is created via the UI.

How does it work now?

The CREATE A PROFILE REST REST API now auto-assigns the OOB security roles.

In addition to the values sent for "securityRoles" as part of the INPUT JSON while creating a new user using the REST API, the OOB security roles should be auto-assigned to the newly created user.

The following OOB security roles are auto-assigned to the internal user alongwith the role(s) passed via the Input JSON/signup rule:

- Common Privileges in world domain world
- Internal Person Basic Privileges <home_domain>
- Internal Person Login Privileges <security_domain>
- Report Privileges in world domain world

The following OOB security roles are assigned to the external user along with the role(s) passed via the Input JSON/signup

- Common Privileges in world domain world
- External Person Basic Privileges <security_domain>
- Report Privileges in world domain world

Note: For more details on this see REST API Reference.

Use case

If these OOB security roles are not auto-assigned, the user gets an error on account activation page.

New REST APIs

APIs for retrieving, adding and updating Delivery modes

How did it work?

There were no REST APIs to retrieve, add and update Delivery modes.

How does it work now?

The following new REST APIs will now allow retrieving, adding and updating Delivery modes:

GET THE META DETAILS OF DELIVERY MODE

Overview

Returns the meta details of the Delivery Mode.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode/meta:(:searchFields)

Calling Options

Table 41: Calling Options

Name	Description	Default Value	Data Type	Required?
searchFields	Indicate what additional de~ tails needs to be returned		string	No

GET ALL DELIVERY MODE

Overview

Returns all Delivery Mode for which the user has access.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode?count=:count&startPage=:startPage

Calling Options

Table 42: Calling Options

Name	Description	Default Value	Data Type	Required?
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

GET THE DETAILS OF A PARTICULAR DELIVERY MODE

Overview

Returns complete information about a Delivery Mode based on the Delivery Mode's ID that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode/:id:(:searchFields)

Calling Options

Table 43: Calling Options

Name	Description	Default Value	Data Type	Required?
id	Delivery Mode's ID		string	Yes
searchFields	Indicate what additional de~ tails needs to be returned		string	No

FIND THE DETAILS OF THE DELIVERY MODE

Overview

Returns the details of the Delivery Mode along with the ID, Name and the Deeplink URL based on the provided search criteria.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode?q=(:criteria_field%3D%3D:field_value)&count=:count&startPage=:startPage

Calling Options

Table 44: Calling Options

Name	Description	Default Value	Data Type	Required?
criteria_field	The search criteria i.e. the field name.	status	string	Yes
field_value	The search value for the specified search criteria.	100	string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

FIND THE DETAILS OF DELIVERY MODE (USING POST - RANGE BASED SEARCH)

Overview

Returns the details of the Delivery Mode.

Requires OAuth

No

Method

POST

URL

https://< hostname-api.sabacloud.com > /v1/deliverymode/searchQuery? count =: count & startPage & include Details =: include

Calling Options

Table 45: Calling Options

Name	Description	Default Value	Data Type	Required?
conditions	Conditions	[{"name":"descrip~ tion","operat~ or":"==","value":"De~ scription2"}]	string	Yes
count		10	string	No
startPage		1	string	No

Name	Description	Default Value	Data Type	Required?
includeDetails	Returns the details of the Delivery Mode in the search	true	string	No

Request Body

CREATE A NEW DELIVERY MODE

Overview

Creates a new Delivery Mode

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode

Calling Options

Table 46: Calling Options

Name	Description	Default Value	Data Type	Required?
description	Description	description	string	No
duration	Duration	0	string	No
securityDomain	Security Domain		string	Yes
vendor_id	Vender		string	No
available_from	Available from		string	No
csr_id	Customer Service Represent~ ative		string	No
training_units	No of Training Units		string	No

Name	Description	Default Value	Data Type	Required?
delivery_id	Delivery Type		string	Yes
acronym	Delivery Mode No		string	Yes
offer_temp_id	Course		string	Yes
discontinued_from	Discontinued from		string	No
disp_call_center	Display for call center	false	string	No
disp_web	Display for web	false	string	No
customValues	custom Values		string	No

Request Body

```
"description": "test",
"duration": 0,
"securityDomain": {
    "id": "domin000000000000001",
    "displayName": "world"
"vendor_id": {
    "id": "cmpny00000000200005",
    "displayName": "Vendor1"
"available_from": null,
"csr_id": {
   "id": "emplo000000000200321",
    "displayName": "Akhlaque Ahmed"
"training_units": 2,
"delivery_id": {
    "id": "eqcat000000000000014",
    "displayName": "Blended"
"acronym": 123-sadfsa",
"offer_temp_id": {
    "id": "cours00000000202186",
    "displayName": "Brown Bag"
"discontinued_from": "2016-03-25T00:00:00.000+0530",
"disp_call_center": true,
"disp_web": true,
"customValues": {
    "custom9": "9",
    "custom0": "0",
    "custom3": "3",
    "custom4": "4",
    "custom1": "1",
    "custom2": "2",
    "custom7": "7",
    "custom8": "8",
    "custom5": "5",
    "custom6": "6"
```

}

UPDATE THE DETAILS OF A DELIVERY MODE

Overview

Updates an existing Delivery Mode based on the Delivery Mode's ID that is passed as a parameter value.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/deliverymode/:id

Calling Options

Table 47: Calling Options

Name	Description	Default Value	Data Type	Required?
id	Id of Delivery Mode	id	string	Yes
description	Description	description	string	No
duration	Duration	0	string	No
securityDomain	Security Domain		string	Yes
vendor_id	Vender		string	No
available_from	Available from		string	No
csr_id	Customer Service Represent~ ative		string	No
training_units	No of Training Units		string	No
discontinued_from	Discontinued from		string	No
disp_call_center	Display for call center	false	string	No
disp_web	Display for web	false	string	No
customValues	custom Values		string	No

Request Body

```
"description": "test",
    "duration": 0,
    "securityDomain": {
        "id": "domin00000000000001",
        "displayName": "world"
    "vendor_id": {
        "id": "cmpny00000000200005",
        "displayName": "Vendor1"
    "available_from": null,
    "csr_id": {
        "id": "emplo000000000200321",
        "displayName": "Akhlaque Ahmed"
    "training units": 2,
    "discontinued_from": "2016-03-25T00:00:00.000+0530",
    "disp_call_center": true,
    "disp_web": true,
    "customValues": {
       "custom9": "9",
        "custom0": "0",
        "custom3": "3",
        "custom4": "4",
        "custom1": "1",
        "custom2": "2",
        "custom7": "7",
        "custom8": "8",
        "custom5": "5",
        "custom6": "6"
}
```

Use case

This enhancement makes it possible to retrieve, add and update Delivery modes using REST APIs.

APIs for retrieving, adding, updating and deleting currency exchange rates

How did it work?

There were no REST APIs to retrieve, add, update and delete currency exchange rates.

How does it work now?

The following new REST APIs will now allow retrieving, adding, updating and deleting currency exchange rates:

FIND THE META DETAILS OF EXCHANGE RATE

Note: For more details on this see REST API Reference.

Overview

Returns the meta details of the Exchange Rate.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate/meta:(:searchFields)

Calling Options

Table 48: Calling Options

Name	Description	Default Value	Data Type	Required?
searchFields	Indicate what additional de~ tails needs to be returned. Acceptable values are (case- sensitive)		string	No

```
"sampleData": {
    "src_id": null,
    "end_date": null,
    "start_date": null,
    "batch_id": null,
    "dest_id": null,
    "rate": null,
    "id": null,
    "href":
"http://<hostname-api.sabacloud.com>/v1/exchangerate/ccyex00000000000001"
 "name": "Currency Exchange Rate",
  "displayName": "Currency Exchange Rate",
  "attributes": [
      "name": "batch_id",
      "displayName": "Batch Id",
      "description": null,
      "isRequired": true,
      "isAutoGenerated": false,
      "type": "string",
      "isReference": false,
      "isProtected": false,
      "display": true,
      "isSearchFilter": true
      "name": "created_by",
      "displayName": "Created by",
      "description": null,
      "isRequired": true,
      "isAutoGenerated": false,
      "type": "string",
      "isReference": false,
```

```
"isProtected": false,
"display": true,
"maximumLength": 255,
"isSearchFilter": false
"name": "created_id",
"displayName": "Created Id",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "string",
"isReference": false,
"isProtected": false,
"display": true,
"isSearchFilter": false
"name": "created_on",
"displayName": "Created on",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "date",
"isReference": false,
"isProtected": false,
"display": true,
"isSearchFilter": false
"name": "dest_id",
"displayName": "Dest Id",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "object",
"isReference": true,
"isProtected": false,
"display": true,
"isSearchFilter": true
"name": "end_date",
"displayName": "End Date",
"description": null,
"isRequired": false,
"isAutoGenerated": false,
"type": "date",
"isReference": false,
"isProtected": false,
"display": true,
"isSearchFilter": true
"name": "id",
"displayName": "Exchange Rate ID",
"description": null,
"isRequired": true,
"isAutoGenerated": true,
"type": "string",
"isReference": false,
"isProtected": false,
```

```
"display": true,
"isSearchFilter": true
"name": "rate",
"displayName": "Rate",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "real",
"isReference": false,
"isProtected": false,
"display": true,
"isSearchFilter": true
"name": "src_id",
"displayName": "Src Id",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "object",
"isReference": true,
"isProtected": false,
"display": true,
"isSearchFilter": true
"name": "start_date",
"displayName": "Start Date",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "date",
"isReference": false,
"isProtected": false,
"display": true,
"isSearchFilter": true
"name": "updated_by",
"displayName": "Updated by",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "string",
"isReference": false,
"isProtected": false,
"display": true,
"maximumLength": 255,
"isSearchFilter": false
"name": "updated_on",
"displayName": "Updated on",
"description": null,
"isRequired": true,
"isAutoGenerated": false,
"type": "date",
"isReference": false,
"isProtected": false,
"display": true,
```

GET ALL EXCHANGE RATES

Overview

Returns all exchange rates available in the system.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate?count=:count&startPage=:startPage

Calling Options

Table 49: Calling Options

Name	Description	Default Value	Data Type	Required?
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

```
"totalResults": 28,
"itemsPerPage": 3
}
```

GET THE DETAILS OF A PARTICULAR EXCHANGE RATE

Overview

Returns complete information about a exchange rate based on the exchange rate's id that is passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate/:id:(:searchFields)

Example:

https://<hostname-api.sabacloud.com>/v1/exchangerate/ccyex000000000000001

Calling Options

Table 50: Calling Options

Name	Description	Default Value	Data Type	Required?
id	Exchange Rate's ID		string	Yes
searchFields	Indicate what additional de~ tails needs to be returned. Acceptable values are (case- sensitive)		string	No

FIND THE DETAILS OF THE EXCHANGE RATE

Overview

Returns the details of the exchange rates along with the ID, Name and the Deeplink URL based on the provided search criteria.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate?q=(:criteria_field%3D%3D:field_value)&count=:count&startPage=:startPage

Examples:

Search exchange rate by source currency

https://<hostname-api.sabacloud.com>/

v1/exchangerate?q=(src_id%3D%3Dcrncy0000000000004)&includeDetails=true

Search exchange rate by destination currency

https://<*hostname-api.sabacloud.com*>/

 $v1/exchangerate?q=(dest_id\%3D\%3Dcrncy0000000000168)\&includeDetails=true$

Search exchange rate by start date

 $https://< \textit{hostname-api.sabacloud.com} > / \ v1/exchangerate? q = (start_date\%3D\%3D02/01/2016) \& includeDetails = false + (start_date\%3D\%3D02/01/2016) = (start_date\%3D02/01/2016) = (start$

Search exchange rate by start date

 $https://< \textit{hostname-api.sabacloud.com} > / \ v1/exchangerate? \\ q = (end_date\%3D\%3D02/01/2016) \\ \& includeDetails = true \\ v1/exchangerate? \\ v$

Calling Options

Table 51: Calling Options

Name	Description	Default Value	Data Type	Required?
criteria_field	The search criteria i.e. the field name.	name	string	Yes
field_value	The search value for the specified search criteria.		string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

The following are the fields that you can use as the **criteria_field**:

Field name	Field description	Example
src_id	If this field is passed, exchange rates for a currency will be returned.	src_id%3D%3D crncy000000000000001
src_name	If this field is passed, exchange rates for a currency will be returned.	src_name%3D%3DUS%20Dollar
src_isocode	If this field is passed, exchange rates for a currency will be returned.	src_isocode%3D%3DUSD
dest_id	If this field is passed, exchange rates available to currency provided will be returned.	dest_id%3D%3D crncy000000000200968
dest_name	Exchange rate for a currency will be returned.	dest_name%3D%3DUS%20Dollar
dest_isocode	Exchange rate for a currency will be returned.	dest_isocode%3D%3DUSD
start_date	All exchange rates having a given start date will be returned.	start_date%3Dge%3D2015-01-08
end_date	All exchange rates having a given end date will be returned.	end_date%3Dle%3D2015-01-08

```
"facets": [],
"startIndex": 1,
"results": [
   "end_date": null,
    "start_date": "1900-01-01T00:00:00.000+0530",
    "rate": 1,
    "src_id": {
      "id": "crncy000000000000001",
      "displayName": "US Dollars"
    "dest_id": {
      "id": "crncy000000000000001",
      "displayName": "US Dollars"
    "batch_id": {
      "id": "exbch000000000000002",
      "displayName": null
    "id": "ccyex000000000200020"
"hasMoreResults": true,
"totalResults": 1,
"itemsPerPage": 1
```

Overview

Returns the details of the exchange rate along with the ID, Name and the Deeplink URL based on the provided search criteria.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate/searchQuery?count=:count&startPage&::startPage&includeDetails=:includeDetails

Calling Options

Table 52: Calling Options

Name	Description	Default Value	Data Type	Required?
conditions	Conditions	[{"name": "src_iso~ code","operator": "==","value": "USD"}]	string	Yes
count		10	string	No
startPage		1	string	No
includeDetails	Returns the details of the ex- change rate in the search	true	string	No

The following are the fields that you can use as the **conditions** > **name**:

Field name	Field description	Example
src_id	If this field is passed, exchange rates for a currency will be returned.	src_id%3D%3D crncy000000000000001
src_name	If this field is passed, exchange rates for a currency will be returned.	src_name%3D%3DUS%20Dollar
src_isocode	If this field is passed, exchange rates for a currency will be returned.	src_isocode%3D%3DUSD
dest_id	If this field is passed, exchange rates available to currency provided will be returned.	dest_id%3D%3D crncy0000000000200968
dest_name	Exchange rate for a currency will be returned.	dest_name%3D%3DUS%20Dollar

Field name	Field description	Example
dest_isocode	Exchange rate for a currency will be returned.	dest_isocode%3D%3DUSD
start_date	All exchange rates having a given start date will be returned.	start_date%3Dge%3D2015-01-08
end_date	All exchange rates having a given end date will be returned.	end_date%3Dle%3D2015-01-08

Request Body

```
{
    "conditions" :[{
          "name": "src_id",
          "operator": "==",
          "value": "crncy000000000001"}]
}
```

Return Values

```
"facets": [],
  "startIndex": 1,
  "results": [
      "end_date": null,
      "start_date": "1900-01-01T00:00:00.000+0530",
      "rate": 1,
      "src_id": {
        "id": "crncy000000000000001",
        "displayName": "US Dollars"
      "dest_id": {
        "id": "crncy000000000000001",
        "displayName": "US Dollars"
      "batch_id": {
        "id": "exbch00000000000000000002",
        "displayName": null
      "id": "ccyex000000000200020"
  ],
  "hasMoreResults": true,
  "totalResults": 1,
  "itemsPerPage": 1
}
```

CREATE A NEW EXCHANGE RATE

Overview

Create new currency exchange rate.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate

Calling Options

Table 53: Calling Options

Name	Description	Default Value	Data Type	Required?
src_id	The source currency	{"id": "cmcy000000000202976"}	string	Yes
dest_id	The destination currency	{"id": "cmcy00000000203005"}	string	No
start_date	Starting date of exchange rate	2016-03-03	string	Yes
end_date	Ending date of exchange rate	2019-03-03	string	Yes
rate	Rate	1.5	string	Yes
batch_id	Exchange rate batch	{"id": "ex~ bch000000000000001"}	string	No

Request Body

```
{
    "@type":"com.saba.currency.ExchangeRateDetail",
    "src_id": { "id": "crncy000000000001", "displayName": "USD"
},
    "dest_id": { "id": "crncy0000000000002", "displayName": "INR"
},
    "start_date": "2016-03-03",
    "end_date": "2017-03-03",
    "rate":2,
    "batch_id": { "id": "exbch0000000000002"}
}
```

UPDATE THE DETAILS OF A EXCHANGE RATE

Overview

Allows updating an existing exchange rate based on the Exchange Rate's ID.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate/:id

Calling Options

Table 54: Calling Options

Name	Description	Default Value	Data Type	Required?
id	Exchange Rate's ID		string	Yes
rate	Rate	1.5	string	No
start_date	Starting date of exchange rate	2016-03-03	string	No
end_date	Ending date of exchange rate	2019-03-03	string	No

Request Body

```
{
    "@type":"com.saba.currency.ExchangeRateDetail",
    "src_id": { "id": "crncy000000000001", "displayName": "USD"
},
    "dest_id": { "id": "crncy0000000000002", "displayName": "INR"
},
    "start_date": "2017-12-20",
    "end_date": "2019-03-03",
    "rate":2.5
}
```

DELETE A EXCHANGE RATE

Overview

Deletes an Exchange Rate.

Requires OAuth

No

Method

DELETE

URL

https://<hostname-api.sabacloud.com>/v1/exchangerate/:id

Calling Options

Table 55: Calling Options

Name	Description	Default Value	Data Type	Required?
id	Exchange Rate's ID		string	Yes

Note: For more details on this see REST API Reference.

Use case

This enhancement makes it possible to retrieve, add and update currency exchange rates using REST APIs.

APIs for retrieving, adding, updating and deleting list values

How did it work?

There were no REST APIs to retrieve, add, update and delete list values.

How does it work now?

The following new REST APIs will now allow retrieving, adding, updating and deleting list values:



Note: These APIs only support the user LOV and not the system LOV.

GET A PARTICULAR LIST VALUE

Overview

Returns the details of a particular list value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/lov/:id

Calling Options

Table 56: Calling Options

Name	Description	Default Value	Data Type	Required?
id	The ID of the list value	listv00000001002987	string	Yes

```
"startIndex": 1,
"facets": [],
"hasMoreResults": false,
"totalResults": 1,
"itemsPerPage": 10,
"results": [
    "name": " listItem10",
    "description": " listItem10",
```

```
"id": "listv00000001002989",
    "lovList": {
        "displayName": "custom1:WBT Offering",
        "id": " listi0000000000000"
      }
    }
}
```

GET LIST VALUE BY LIST ID AND LIST VALUE NAME

Overview

Returns the list value details by list value's ID and name.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/lov/:id/:name

Example:

https://<hostname-api.sabacloud.com>/v1/lov/listi00000000001006/listItem10

Calling Options

Table 57: Calling Options

Name	Description	Default Value	Data Type	Required?
id	List value's ID	listi000000000001006	string	Yes
name	Name of the list value	listItem10	string	Yes

```
]
```

SEARCH LIST VALUES

Overview

Returns the list value details based on the search parameters.



Note: The data that is returned as a part of the search is based on the logged in user's locale.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/lov?q=(:criteria)&count=:count&startPage=:startPage&includeDetails=:includeDetails

Example:

https://<hostname-api.sabacloud.com>/v1/lov?q=(list_id%3D%3Dlisti0000000001006)&includeDetails=true

Calling Options

Table 58: Calling Options

Name	Description	Default Value	Data Type	Required?
criteria	The search criteria i.e. the criteria field name with search value.	it%3D%3D4x00000001002987	string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No
includeDetails	Returns the details of the List Values in the search	true	string	No

```
"results":[
         "id":" listv00000000200083",
"href": "http://<hostname-api.sabacloud.com>/v1/lov/listv000000000200083"
         "id":" listv000000000200084",
```

ADD VALUE TO LOV FOR AN ATTRIBUTE

Overview

Allows adding a value to the LOV for a particular attribute.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/lov

Calling Options

Table 59: Calling Options

Name	Description	Default Value	Data Type	Required?
@type	Type list entry detail	com.saba.lov.List~ EntryDetail	string	Yes
name	The name of the list value	TestListValue	string	Yes
description	Description of the list value	This is created for testing purpose	string	No
lovList	List ID and displayName	{\"@type\": \"java.util.HashMap\";\"id\": \"lisi00000000010141\";\"dis~ playName\":\"cus~ tom1:WBT Offer~ ing\"}	string	Yes

Request Body

```
{
   "@type":"com.saba.lov.ListEntryDetail",
   "name":"ListItem1",
   "description":"This is Test ListItem Value",
   "lovList":{
```

```
"@type":"java.util.HashMap",
"id":"listi000000000001006",
         "displayName": "custom1: WBT Offering"
}
```

Return Values

```
"@type":"com.saba.lov.RestLovDetail",
"name": "ListItem21",
"description": "This is Test ListItem21 Value",
"lovList":{
  "@type": "map",
   "displayName": "custom1:WBT Offering",
   "id":"listi00000000010141"
"id":"listv00000001003048"
```

UPDATE VALUE OF LIST

Overview

Allows updating the value of a list.



Note: Updating the value of a list is supported by either providing the list value ID or list value name.

Requires OAuth

No

Method

PUT

URL (Using ID)

https://<hostname-api.sabacloud.com>/v1/lov/:id

URL (Using Name)

https://<hostname-api.sabacloud.com>/v1/lov/name=<ListValueName>

Calling Options

Table 60: Calling Options

Name	Description	Default Value	Data Type	Required?
id	ID of the list value or name of the list value. Note: To enter the name of the list value give the input as: name= <listvalue~ name=""></listvalue~>	listv00000001002986	string	Yes
@type	Type list entry detail	com.saba.lov.List~ EntryDetail	string	Yes
name	The name of the list value	TestListValue	string	Yes
description	Description of the list value	This is created for testing purpose	string	Yes
lovList	List Id and displayName	{\"@type\": \"java.util.HashMap\",\"id\": \"lisi00000000010141\",\"dis~ playName\":\"cus~ tom1:WBT Offer~ ing\"}"	string	Yes

Request Body

DELETE ITEM FROM LIST

Overview

Deletes an item from the list using the ID of the list value.

Requires OAuth

No

Method

DELETE

URL

https://<hostname-api.sabacloud.com>/v1/lov/:id

Calling Options

Table 61: Calling Options

Name	Description	Default Value	Data Type	Required?
id	ID of the list value	listv00000001002986	string	Yes

DELETE ITEM FROM LIST (BY LISTID AND NAME OF THE LIST VALUE)

Overview

Deletes an item from list using the ID and name of the list value.

Requires OAuth

No

Method

DELETE

URL

https://</hostname-api.sabacloud.com>/v1/lov/:id/:name

Calling Options

Table 62: Calling Options

Name	Description	Default Value	Data Type	Required?
id	List ID	listi00000000010141	string	Yes
name	Name of the list value	TestListValue	string	Yes



Note: For more details on this see REST API Reference.

Use case

User LOV changes through custom solutions are made up to several times per year. This enhancement makes it possible to retrieve, add and update list values using REST APIs.

Search API to retrieve the details of the security roles

How did it work?

There were no search REST APIs to retrieve the details of the security roles.

How does it work now?

The following new search REST API will now allow retrieving the details of the security roles:

FIND THE DETAILS OF THE SECURITY ROLES

Overview

Returns the details of the security roles for which the user has access, based on the provided search criteria.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/securityrole?q=(:criteria_field%3D%3D:field_value)&count=:count&startPage=:startPage

Example:

https://<hostname-api.sabacloud.com>/v1/securityrole?q=(is_compound%3D%3Dtrue)

Calling Options

Table 63: Calling Options

Name	Description	Default Value	Data Type	Required?
criteria_field	The search criteria i.e. the field name.		string	Yes
	 isCriteriaBased is_compound name			
field_value	The search value for the specified search criteria. • isCriteriaBased: true/false • is_compound: true/false		string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

```
"hasMoreResults":false,
  "totalResults":1,
  "itemsPerPage":10,
  "facets":[
```

```
"results":[
         "name": "Human Capital Admin",
         "id": "cpriv000000000000106",
"href": "http://<hostname-api.sabacloud.com>/v1/securityrole/cpriv0000000000000106"
   ],
   "startIndex":1
```

Note: For more details on this see REST API Reference.

Use case

This enhancement makes it possible to search for security roles based on the specified search criteria.

APIs for retrieving, adding and updating Job Requisitions

How did it work?

There were no REST APIs to retrieve, add and update Job Requisitions.

How does it work now?

The following new REST APIs will now allow retrieving, adding and updating Job Requisitions:

FIND THE DETAILS OF THE JOB REQUISITION

Overview

Finds the details of the Job requisitions.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition?q=(:criteria)&count=:count&startPage=:startPage

Calling Options

Table 64: Calling Options

Name	Description	Default Value	Data Type	Required?
criteria	The search criteria i.e. the criteria field name with search value.	employment~ Type%3D%3DPerman~ ent	string	Yes
	You can use any field with "isSearchFilter": true.			
	Note: To find out the fields that have "is~ SearchFilter": true, in~ voke the "Get the Meta details" REST APIs.			
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

```
"facets": [],
"startIndex": 1,
"hasMoreResults": true,
"totalResults": 52,
"itemsPerPage": 10,
"results": [
   "id": "jobrq00000000001044",
   "href": "http://<host_name>/v1/job/jobrq0000000001044?type=requisition"
   "id": "jobrq00000000001045",
   "href": "http://<host_name>/v1/job/jobrq0000000001045?type=requisition"
   "id": "jobrq00000000001046",
   "href": "http://<host name>/v1/job/jobrq0000000001046?type=requisition"
   "id": "jobrq00000000001047",
   "href": "http://<host_name>/v1/job/jobrq0000000001047?type=requisition"
    "id": "jobrq00000000001050",
   "href": "http://<host_name>/v1/job/jobrq0000000001050?type=requisition"
```

```
},

{
    "id": "jobrq00000000001004",
    "href": "http://<host_name>/v1/job/jobrq000000000001004?type=requisition"

},

{
    "id": "jobrq000000000001020",
    "href": "http://<host_name>/v1/job/jobrq00000000001020?type=requisition"

},

{
    "id": "jobrq00000000001060",
    "href": "http://<host_name>/v1/job/jobrq00000000001060?type=requisition"

},

{
    "id": "jobrq00000000001086",
    "href": "http://<host_name>/v1/job/jobrq00000000001086?type=requisition"

},

{
    "id": "jobrq00000000001088",
    "href": "http://<host_name>/v1/job/jobrq000000000001088?type=requisition"

}

}

}
```

FIND THE DETAILS OF THE JOB REQUISITION (Using POST - Range based search)

Overview

Returns the details of the job requisitions along with the ID, Name and the Deeplink URL based on the provided range based search criteria.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition/searchQuery?count=:count&startPage=:startPage

Calling Options

Table 65: Calling Options

Name	Description	Sample Value	Data Type	Required?
conditions	The search conditions. You can use any field with "isSearchFilter": true. Note: To find out the fields that have "is~ SearchFilter": true, in~ voke the "Get the Meta details" REST APIs. You can use search operators such as: =gt= =ge= =lt= =le= =eq= =ne=	[{"status":"DRAFT"}]	string	Yes
count	The number of records per page.	10	string	No
startPage	The start page number for the list of records.	1	string	No

Request Body

```
{
    "conditions" : [{"status":"DRAFT"}]
}
```

```
"id": "jobrq00000000001045",
      "href": "http://<host_name>/v1/job-requisition/jobrq00000000001045"
      "id": "jobrq00000000001046",
      "href": "http://<host_name>/v1/job-requisition/jobrq000000000001046"
      "id": "jobrq00000000001047",
      "href": "http://<host_name>/v1/job-requisition/jobrq000000000001047"
      "id": "jobrq00000000001050",
      "href": "http://<host_name>/v1/job-requisition/jobrq00000000001050"
      "id": "jobrq00000000001060",
      "href": "http://<host_name>/v1/job-requisition/jobrq000000000001060"
      "id": "jobrq00000000001080",
      "href": "http://<host_name>/v1/job-requisition/jobrq000000000001080"
      "id": "jobrq00000000001081",
      "href": "http://<host name>/v1/job-requisition/jobrq00000000001081"
      "id": "jobrq00000000001082",
      "href": "http://<host_name>/v1/job-requisition/jobrq000000000001082"
 ]
}
```

GET ALL JOB REQUISITIONS

Overview

Returns all job-requisitions.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition?count=:count&startPage=:startPage

Calling Options

Table 66: Calling Options

Name	Description	Default Value	Data Type	Required?
count	The number of records per page.	10	string	No

Name	Description	Default Value	Data Type	Required?
startPage	The start page number for the list of records.	1	string	No

```
"facets": [],
"startIndex": 1,
"hasMoreResults": true,
"totalResults": 84,
"itemsPerPage": 10,
"results": [
    "id": "jobrq00000000001040",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001040"
    "id": "jobrq00000000001044",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001044"
    "id": "jobrq00000000001045",
    "href": "http://<host_name>/v1/job-requisition/jobrq00000000001045"
    "id": "jobrq00000000001046",
    "href": "http://<host_name>/v1/job-requisition/jobrq00000000001046"
    "id": "jobrq00000000001047",
    "href": "http://<host_name>/v1/job-requisition/jobrq00000000001047"
    "id": "jobrq00000000001050",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001050"
    "id": "jobrq00000000001060",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001060"
    "id": "jobrq00000000001080",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001080"
    "id": "jobrq00000000001081",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001081"
    "id": "jobrq00000000001082",
    "href": "http://<host_name>/v1/job-requisition/jobrq000000000001082"
]
```

Overview

Returns the details of a particular job-requisition.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition/:id:(:searchFields)

Calling Options

Table 67: Calling Options

Name	Description	Default Value	Data Type	Required?
id	The ID of the desired job re~ quisition	jobrq000000000001020	string	Yes

```
"location": {
    "id": "locat00000000001000",
    "displayName": "Location1"
  "description": "recruting test 01 job",
  "source": null,
  "requisitionTemplate": {
    "id": "reqtp000000000000001",
    "displayName": "System Default Template"
  "employmentType": "Permanent",
  "requisitionStage": [],
  "requiresTravel": false,
  "requiresResume": true,
  "requiresCoverLetter": false,
  "companyDescription": "Company Description for the Requisition
Template",
  "requiresPreAssessment": false,
  "organization": {
    "id": "bisut00000000001000",
    "displayName": "BusinessUnit1"
  },
  "status": "DRAFT",
  "sourceType": null,
  "jobFamily": {
    "id": "jfmly00000000001000",
    "displayName": "Position job family"
  "title": "HPEngineer3",
  "approvedOn": null,
  "targetDate": null,
  "googleMapWidget": null,
```

```
"publishedOn": null,
"jobType": null,
"notes": "Perfect",
"submittedOn": null,
"minExperience": 2,
"maxExperience": 5,
"interviewers": [],
"recruiter": [
    "stakeholderType": "RECRUITER",
    "requisition": {
      "id": "jobrq00000000001045",
      "displayName": "HPEngineer3"
    "stakeholder": {
      "id": "persn000000000201414",
      "displayName": "fname lname"
    "id": "rsthd000000000001059"
],
"industry": "Computer Software",
"applicantType": "INTERNAL-ONLY",
"closedDate": null,
"hrPartner": {
  "id": "emplo000000000001043",
  "displayName": "User3 Four3"
"hiringManager": {
  "id": "emplo00000000001000",
  "displayName": "User One"
"minimumSalary": 20000,
"maximumSalary": 500000,
"requisitionNo": "1043",
"qualification": "everything",
"salaryType": "YEARLY",
"jobAdStyle": "Cool",
"noOfOpenings": 1,
"isEEOCReq": true,
"unpublishType": "NONE",
"unpublishDays": 30,
"endOfMonth": false,
"marketAverage": null,
"referralBonus": null,
"unpublishDate": null,
"plainTextSM": null,
"pieChartSM": null,
"barChartSM": {
  "type": "BAR-CHART",
  "owner": {
    "id": "jobrq00000000001045",
    "displayName": "HPEngineer3"
  "identifier": "barChartSM",
  "smartWidgetValues": [
      "name": "Developer",
      "value": "2",
      "parent": {
        "id": "smtwd00000000001042",
        "displayName": "Experience"
```

```
},
"id": "smtvl000000000001089"
  ],
  "smartWidget_visibility": "ANYONE",
  "title": "Experience",
  "id": "smtwd00000000001042"
"progressBarSM": null,
"midSalary": 260000,
"midBudget": 260000,
"maxBudget": 500000,
"salaryCurrency": null,
"category": "Professionals",
"compensation": "Nothing",
"costCenter": "Everything",
"isFeaturedJobExternal": false,
"referralBonusCurr": null,
"educationQualification": null,
"id": "jobrq0000000001045",
"customValues": {
  "custom9": null,
  "custom0": null,
  "custom3": null,
  "custom4": null,
  "custom1": null,
  "custom2": null,
  "custom7": null,
  "custom8": null,
  "custom5": null,
  "custom6": null
"securityDomain": {
  "id": "domin00000000000001",
  "displayName": "world"
"jobboards": []
```

GET THE META DETAILS OF JOB REQUISITION

Overview

Returns the meta details of a job-requisition component.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition/meta

```
"sampleData": {
"location": null,
"description": null,
"source": null,
"requisitionTemplate": null,
"employmentType": null,
"requisitionStage": null,
"requiresTravel": false,
"requiresResume": true,
"requiresCoverLetter": false,
"companyDescription": null,
"requiresPreAssessment": null,
"organization": null,
"status": "DRAFT",
"sourceType": null,
"jobFamily": null,
"title": null,
"approvedOn": null,
"targetDate": null,
"googleMapWidget": null,
"publishedOn": null,
"jobType": null,
"notes": null,
"submittedOn": null,
"minExperience": null,
"maxExperience": null,
"interviewers": null,
"recruiter": null,
"industry": null,
"applicantType": "INTERNAL-ONLY",
"closedDate": null,
"hrPartner": null,
"hiringManager": null,
"minimumSalary": null,
"maximumSalary": null,
"requisitionNo": null,
"qualification": null,
"salaryType": "YEARLY",
"jobAdStyle": null,
"noOfOpenings": 1,
"isEEOCReq": false,
"unpublishType": "NONE",
"unpublishDays": 30,
"endOfMonth": false,
"marketAverage": null,
"referralBonus": null,
"unpublishDate": null,
"plainTextSM": {
 "type": null,
 "owner": null,
 "identifier": null,
 "smartWidgetValues": null,
 "smartWidget_visibility": "ANYONE",
 "title": null,
 "id": null
 "pieChartSM": {
 "type": null,
 "owner": null,
 "identifier": null,
```

```
"smartWidgetValues": null,
 "smartWidget_visibility": "ANYONE",
 "title": null,
 "id": null
"barChartSM": {
 "type": null,
 "owner": null,
 "identifier": null,
 "smartWidgetValues": null,
 "smartWidget_visibility": "ANYONE",
 "title": null,
 "id": null
},
"progressBarSM": {
 "type": null,
 "owner": null,
 "identifier": null,
 "smartWidgetValues": null,
 "smartWidget_visibility": "ANYONE",
 "title": null,
 "id": null
},
"midSalary": null,
"midBudget": null,
"maxBudget": null,
"salaryCurrency": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
},
"category": null,
"compensation": null,
"costCenter": null,
"isFeaturedJobExternal": false,
"referralBonusCurr": {
 "id": "crncy000000000000001",
 "displayName": "US Dollars"
},
"educationQualification": null,
"id": null,
"customValues": {
 "custom9": null,
 "custom0": null,
 "custom3": null,
 "custom4": null,
 "custom1": null,
 "custom2": null,
 "custom7": null,
 "custom8": null,
 "custom5": null,
 "custom6": null
"securityDomain": {
 "id": "domin00000000000001",
 "displayName": "world"
"jobboards": null,
"href": "http://<host_name>/v1/job/jobrq0000000000001?type=requisition"
```

Overview

Creates a new job requisition

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/job-requisition

Calling Options

Table 68: Calling Options

Name	Description	Default Value	Data Type	Required?
location	Location	{\"id\": \"bca0000000000000\\\\'ds~ playName\": \"Loca~ tion1\"}	string	Yes
description	Job Description	recruting test 01 job	string	Yes
source	Source		string	No
targetDate	Target date		string	No
organization	Organization	{\ˈਖ਼ਾ៉\ˈhatoooooooooooooooooooooooooooooooooooo	string	Yes
requisitionTemplate	Job Requisition Template	{\"id\":\"re~ qp00000000000\",\"dis~ playName\":null}	string	Yes
employmentType	Type of Employment		string	No
requisitionStage	Requisition Stage		string	No
requiresTravel	Requires Travel		string	No
requiresResume	Requires Resume		string	No
requiresCoverLetter	Allow Cover Letter		string	No
companyDescription	Company Description	Company Description for the Requisition Template	string	Yes

Name	Description	Default Value	Data Type	Required?
requiresPreAssess~ ment	Requires Pre-Assessment		string	No
status	Status	DRAFT	string	Yes
unpublishDays	Unpublish Days	30	string	No
endOfMonth	End Of Month		string	No
marketAverage	Compensation Displayed to Candidates (Public)		string	No
referralBonus	Referral Bonus		string	No
unpublishDate	Unpublish Date		string	No
plainTextSM	Plain Text Type Smart Wid~gets		string	No
pieChartSM	Pie Chart Type Smart Wid~gets		string	No
barChartSM	Bar Chart Type Smart Wid~gets		string	No
progressBarSM	Progress Bar Type Smart Widgets		string	No
midSalary	Salary (mid)		string	No
midBudget	Budget (mid)		string	No
maxBudget	Budget (max)		string	No
googleMapWidget	Google Map Widget		string	No
minExperience	Minimum Experience		string	No
maxExperience	Maximum Experience		string	No
interviewers	Interviewers		string	No
recruiter	Recruiter		string	No
industry	Industry		string	No
applicantType	Publish to	INTERNAL-ONLY	string	Yes
closedDate	Close date		string	No
hrPartner	HR Partner	{\"id\": \"em~ plc00000000001043\",\"dis~	string	Yes

Name	Description	Default Value	Data Type	Required?
		playName\": \"User3 Four3\"}		
hiringManager	Hiring Manager	{\"id\": \"em~ plc0000000000000\",\"dis~ playName\": \"User One\"}	string	Yes
minimumSalary	Minimum Salary	20000	string	Yes
maximumSalary	Maximum Salary	50000	string	Yes
qualification	Qualifications	BE	string	Yes
salaryType	Salary Type	YEARLY	string	Yes
jobAdStyle	Job Advertisement Style	Cool	string	Yes
noOfOpenings	Number of Hires	2	string	Yes
isEEOCReq	Is EEOC Required		string	No
unpublishType	Auto-Unpublish		string	No
sourceType	Source Type		string	No
category	EEO Job Category	Not Specified	string	No
compensation	Compensation Displayed to Candidates (Public)		string	No
costCenter	Cost Center		string	No
salaryCurrency	Salary Currency	{\tau\cmy0000000000\f\\ds- playName\":\"US Dol~ lars\"}	string	Yes
publishedOn	Published On		string	No
jobType	Job		string	No
notes	Notes		string	No
title	Job Title	HPEngineer3	string	Yes
submittedOn	Submitted On		string	No
approvedOn	Approved On		string	No
jobFamily	Job Family	{\"id\": \"jfintycccccccccccccccccccccccccccccccccccc	string	Yes

Name	Description	Default Value	Data Type	Required?
		playName\": \"Job Family 121\"}		
educationQualification	Education Qualification		string	No
isFeaturedJobExternal	Mark the external job post~ ing featured		string	No
referralBonusCurr	Referral Bonus Currency		string	No
customValues	Custom Values		string	No
securityDomain	Domain	{\"id\": \"dom~ in00000000000001\",\"dis~ playName\": \"world\"}	string	Yes
jobboards	Job Boards		string	No

Request Body

```
"location": {
    "id": "locat00000000001000",
    "displayName": "Location1"
  "description": "recruting test 01 job",
  "source": null,
  "requisitionTemplate": {
    "id": "reqtp000000000000001",
    "displayName": "System Default Template"
  "employmentType": "Permanent",
  "requisitionStage": [],
  "requiresTravel": false,
  "requiresResume": true,
"requiresCoverLetter": false,
  "companyDescription": "Company Description for the Requisition
Template",
  "requiresPreAssessment": false,
  "organization": {
    "id": "bisut00000000001000",
    "displayName": "BusinessUnit1"
  "status": "DRAFT",
  "sourceType": null,
  "jobFamily": {
    "id": "jfmly00000000001000",
    "displayName": "Position job family"
  "title": "HPEngineer3",
  "approvedOn": null,
  "targetDate": null,
  "googleMapWidget": null,
  "publishedOn": null,
  "jobType": null,
"notes": "Perfect",
```

```
"submittedOn": null,
  "minExperience": 2,
  "maxExperience": 5,
  "interviewers": [],
  "recruiter": [
      "stakeholderType": "RECRUITER",
      "stakeholder": {
        "id": "persn000000000201414",
        "displayName": "fname lname"
      "id": "rsthd00000000001059"
  "industry": "Computer Software",
  "applicantType": "INTERNAL-ONLY",
  "closedDate": null,
  "hrPartner": {
    "id": "emplo00000000001043",
    "displayName": "User3 Four3"
  "hiringManager": {
    "id": "emplo00000000001000",
    "displayName": "User One"
  "minimumSalary": 20000,
  "maximumSalary": 500000,
  "requisitionNo": "1043",
  "qualification": "everything",
  "salaryType": "YEARLY",
  "jobAdStyle": "Cool",
  "noOfOpenings": 1,
  "isEEOCReq": true,
  "unpublishType": "NONE",
  "unpublishDays": 30,
  "endOfMonth": false,
  "marketAverage": null,
  "referralBonus": null,
  "unpublishDate": null,
  "plainTextSM": null,
  "pieChartSM": null,
"laaCatSV:{"iol:nil,"yee":"ER-CART","iobtifier":"laaCatSV,"title":"Exerience","saatVid<u>de_visibility</u>":"EXVDE","saatVidgeXalues":[{"tane":"Uzue","value":1}]},
  "progressBarSM": null,
  "midSalary": 260000,
  "midBudget": 260000,
  "maxBudget": 500000,
  "salaryCurrency": null,
  "category": "Professionals",
  "compensation": "Nothing",
  "costCenter": "Everything",
  "isFeaturedJobExternal": false,
  "referralBonusCurr": null,
  "educationQualification": null,
  "customValues": {
    "custom9": null,
    "custom0": null,
    "custom3": null,
    "custom4": null,
    "custom1": null,
    "custom2": null,
```

```
"custom7": null,
 "custom8": null,
 "custom5": null,
  "custom6": null
"securityDomain": {
 "id": "domin000000000000001",
  "displayName": "world"
"jobboards": []
```

```
"id": "jobrq0000000001140",
"displayName": "HPEngineer3",
"href": "http://<host_name>/v1/job-requisition/jobrq00000000001140"
```

Note: For more details on this see REST API Reference.

Use case

Customers will be able to bring jobs they created in other systems or automate the job creation process.

APIs for adding and updating Goals, Goal Progress and Status

How did it work?

There were no REST APIs for adding and updating Goals, Goal Progress and Status.

How does it work now?

The following new REST APIs will now allow adding and updating Goals, Goal Progress and Status:

CREATE GOAL FOR SELF/TEAM

Overview

Creates a Goal for self/team.



Note:

To create a goal with a parent goal, set the parentGoal field, or else keep it null.

To create a goal with approval, set submitForApproval to true, or else keep it false.

To create a goal for self, set the assignee field of goalAssignmentDetail and set the assignee field of SabaGoalRestDetail as null.

To create a goal for team, set the assignee field of SabaGoalRestDetail object.

The following are the available goal status ID:

- ACTIVE_GOAL_STATUS = "gstts0000000000001000"
- INACTIVE_GOAL_STATUS = "gstts0000000000001001"
- COMPLETED_GOAL_STATUS = "gstts0000000000001002"

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals

Calling Options

Table 69: Calling Options

Name	Description	Default Value	Data Type	Required?
@type	@type	com.saba.rest.ser~ vice.goal.Saba~ GoalRestDetail	string	Yes
goalAssignmentDetail	Detail of a Goal Assignment		string	Yes
goalDefinitionDetail	Detail of a Goal Definition		string	Yes
organizations	Organization		string	No
assignees	Assignee of goals (Required only while creating team goal)		string	No
isDirectIndirect	Whether it is direct or undir- ect goal		string	No
selectedObjective	Selected Objective		string	No
tasks	Tasks to add		string	No
parentGoal	Wrapper Reference of parent goal		string	No
associationsData	Association Data		string	No
submitForApproval	Whether to submit for ap~ proval or not		string	No

Request Body (Self)

```
"id": "emplo000000000200503"
   "goalDefinition":null,
   "goalAssignmentStatus":{
      "@type":"com.saba.goal.entity.GoalStatusReference",
      "statusValue": "gstts000000000001000",
      "id": "gstts000000000001000"
   "archived":false,
   "source":{
      "@type":"com.saba.party.person.entity.EmployeeReference",
      "id": "emplo00000000001000"
   "startDate":{
      "@type": "date",
      "time": "2016-04-07",
      "date": "2016-04-07"
   "dueDate":{
      "@type": "date",
      "time": "2016-04-30",
      "date": "2016-04-30"
   "originalDueDate":null
"goalDefinitionDetail":{
   "@type": "com.saba.rest.service.goal.RestGoalDefinitionDetail",
   "owner": {
      "@type": "com.saba.party.person.entity.EmployeeReference",
      "id": "emplo000000000200503"
   "required":null,
   "duration": null,
   "pullInReview": false,
   "smartGoal":null,
   "fixedStartDate":null,
   "fixedEndDate":null,
   "title": "new",
   "qoalCategory": {
      "@type": "com.saba.goal.entity.GoalCategoryReference",
      "id": "gcate000000000000011"
   "goalDefinitionStatus":{
      "@type": "com.saba.rest.service.goal.RestGoalDefinitionStatus",
      "listId": "sysli000000000006003",
      "key": "Active"
   "shared":false,
   "template":false,
   "pushed":null,
   "goalMetric":{
      "@type":"com.saba.goal.entity.GoalMetricReference",
      "id": "gmetr000000000001042"
   "qoalAction":{
      "@type": "com.saba.goal.entity.GoalActionReference",
      "id": "gactn000000000001041"
   "goalUnit":{
      "@type":"com.saba.goal.entity.GoalUnitReference",
      "id": "gunit000000000001004"
   },
```

```
"goalType":{
   "@type":"com.saba.goal.entity.GoalTypeReference",
   "id": "goalt000000000000001"
"initialValue":1,
"targetValue":2,
"goalVisibility": "gvizr00000000001002",
"description": "Hello",
"libGoalVisibilityKey":null,
"auditDetail":null,
"definitionCustomValues":[
   "list",
   [
         "@type": "CustomAttributeValueDetail",
         "name": "custom0",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value":"1",
         "displayName":null
         "@type": "CustomAttributeValueDetail",
         "name": "custom1",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value": "2",
         "displayName":null
         "@type":"CustomAttributeValueDetail",
         "name": "custom2",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value":"3",
         "displayName":null
         "@type":"CustomAttributeValueDetail",
         "name": "custom3",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value":"4",
         "displayName":null
         "@type": "CustomAttributeValueDetail",
         "name": "custom4",
         "datatype":{
            "@type":"CustomAttributeDatatype",
            "value":18
         "value":"5",
         "displayName":null
```

```
"@type": "CustomAttributeValueDetail",
            "name": "custom5",
            "datatype":{
               "@type":"CustomAttributeDatatype",
               "value":18
            },
            "value":"6",
            "displayName":null
            "@type": "CustomAttributeValueDetail",
            "name": "custom6",
            "datatype":{
               "@type":"CustomAttributeDatatype",
               "value":18
            "value":"7",
            "displayName":null
            "@type":"CustomAttributeValueDetail",
            "name": "custom7",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value": "8",
            "displayName":null
            "@type": "CustomAttributeValueDetail",
            "name": "custom8",
            "datatype":{
               "@type":"CustomAttributeDatatype",
               "value":18
            "value":"9",
            "displayName":null
            "@type":"CustomAttributeValueDetail",
            "name": "custom9",
            "datatype":{
               "@type":"CustomAttributeDatatype",
               "value":18
            "value":"",
            "displayName":null
      ]
  ],
   "isLibraryGoal":false
"organizations":[
  "list",
"tasks":[
```

```
"list",
   [
         "@type":"com.saba.rest.service.goal.RestTaskDetail",
         "owner":null,
         "taskStatus": "100",
         "title": "new task"
   ]
"parentGoal":{
   "@type": "com.saba.goal.GoalReferenceWrapper",
   "goalDefinition":{
      "@type": "com.saba.goal.entity.GoalDefinitionReference",
      "id": "gdefn00000000002903",
      "displayName":null
   "goalAssignment":{
      "@type": "com.saba.goal.entity.GoalAssignmentReference",
      "id": "gasgn00000000010431",
      "displayName":null
"selectedObjective":null,
"associationsData":[
   "list",
         "@type": "com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "teams000000000001083",
         "requiredLevelId":null,
         "purpose": "Reference"
         "@type":"com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "crtfy000000000200162",
         "requiredLevelId":null,
         "purpose":null
         "@type":"com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "compt000000000001141",
         "requiredLevelValue":1,
         "purpose":null
   ]
],
"submitForApproval":true,
"isDirectIndirect":false
```

Return Values (Self)

```
"@type": "com.saba.goal.GoalResult",
                "approvalStatus":{
                   "@type": "com.saba.goal.GoalDefinitionApprovalStatus",
                   "listId": "sysli0000000000006030",
                   "key": "200",
                   "displayName": "Pending Approval"
                "successFlag":true,
                "successGoalReference":{
                   "@type": "com.saba.goal.GoalReferenceWrapper",
                   "goalDefinition": {
                      "@type":"com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key":"5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
                         "key":"1"
                      "id": "qdefn000000000002980",
                      "displayName":null,
                      "locale":{
                         "@type":"loclref",
                         "id": "local0000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type":"com.saba.persist.ObjectId",
                         "id": "gdefn00000000002980",
                         "prefix": "qdefn"
                   "goalAssignment": {
                      "@type":"com.saba.goal.entity.GoalAssignmentReference",
                      "sourceType": "Goal",
                      "id": "gasgn00000000010556",
                      "displayName": "gasgn00000000010556",
                      "locale":{
                         "@type":"loclref",
                         "id": "local0000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type":"com.saba.persist.ObjectId",
                         "id": "gasgn00000000010556",
                         "prefix": "gasgn"
               },
                "assignee":{
                   "@type":"emplo",
                   "sourceType": "InternalPerson",
                   "activitySourceType":{
                      "sourceType":0,
```

Request Body (Team)

```
"@type": "com.saba.rest.service.qoal.SabaGoalRestDetail",
"goalAssignmentDetail":{
   "@type": "com.saba.rest.service.goal.RestGoalAssignmentDetail",
   "locked":false,
   "assignee":{
      "@type":"com.saba.party.person.entity.EmployeeReference",
      "id": "emplo000000000200503"
   },
   "goalDefinition":null,
   "goalAssignmentStatus":{
      "@type": "com.saba.goal.entity.GoalStatusReference",
      "statusValue": "qstts000000000001000",
      "id": "gstts000000000001000"
   },
   "archived":false,
   "source":{
      "@type":"com.saba.party.person.entity.EmployeeReference",
      "id": "emplo000000000001000"
   "startDate":{
      "@type": "date",
      "time": "2016-04-07",
      "date": "2016-04-07"
   "dueDate":{
      "@type": "date",
      "time": "2016-04-30",
      "date": "2016-04-30"
   "originalDueDate":null
"goalDefinitionDetail":{
   "@type": "com.saba.rest.service.goal.RestGoalDefinitionDetail",
   "owner":{
      "@type":"com.saba.party.person.entity.EmployeeReference",
      "id": "emplo000000000200503"
   "required":null,
   "duration": null,
   "pullInReview": false,
   "smartGoal":null,
   "fixedStartDate":null,
```

```
"fixedEndDate":null,
"title": "new"
"goalCategory":{
   "@type": "com.saba.goal.entity.GoalCategoryReference",
   "id": "gcate000000000000011"
"goalDefinitionStatus":{
   "@type": "com.saba.rest.service.goal.RestGoalDefinitionStatus",
   "listId": "sysli0000000000006003",
   "key": "Active"
"shared":false,
"template": false,
"pushed":null,
"goalMetric":{
   "@type": "com.saba.goal.entity.GoalMetricReference",
   "id": "gmetr00000000001042"
"goalAction":{
   "@type": "com.saba.goal.entity.GoalActionReference",
   "id": "gactn000000000001041"
"goalUnit":{
   "@type": "com.saba.goal.entity.GoalUnitReference",
   "id": "gunit000000000001004"
},
"goalType":{
   "@type": "com.saba.goal.entity.GoalTypeReference",
   "id": "goalt000000000000001"
"initialValue":1,
"targetValue":2,
"goalVisibility": "gvizr00000000001002",
"description": "Hello",
"libGoalVisibilityKey":null,
"auditDetail":null,
"definitionCustomValues":[
   "list",
   Γ
         "@type": "CustomAttributeValueDetail",
         "name": "custom0",
         "datatype":{
            "@type":"CustomAttributeDatatype",
            "value":18
         "value":"1",
         "displayName":null
         "@type":"CustomAttributeValueDetail",
         "name": "custom1",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value":"2",
         "displayName":null
         "@type": "CustomAttributeValueDetail",
         "name": "custom2",
```

```
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
},
"value":"3",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom3",
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
"value": "4",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom4",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
"value": "5",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom5",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
"value": "6",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom6",
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
"value":"7",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom7",
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
"value": "8",
"displayName":null
"@type":"CustomAttributeValueDetail",
"name": "custom8",
"datatype":{
   "@type": "CustomAttributeDatatype",
```

```
"value":18
            "value":"9",
            "displayName":null
            "@type":"CustomAttributeValueDetail",
            "name": "custom9",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value":"",
            "displayName":null
      ]
   "isLibraryGoal":false
"organizations":[
   "list",
],
"tasks":[
   "list",
         "@type": "com.saba.rest.service.goal.RestTaskDetail",
         "owner":null,
         "taskStatus": "100",
         "title": "new task"
   ]
],
"parentGoal":{
   "@type": "com.saba.goal.GoalReferenceWrapper",
   "goalDefinition":{
      "@type": "com.saba.goal.entity.GoalDefinitionReference",
      "id": "gdefn000000000002903",
      "displayName":null
   "goalAssignment":{
      "@type": "com.saba.goal.entity.GoalAssignmentReference",
      "id": "gasgn00000000010431",
      "displayName":null
"selectedObjective":null,
"associationsData":[
   "list",
   [
         "@type": com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "teams00000000001083",
         "requiredLevelId":null,
         "purpose": "Reference"
         "@type": com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "crtfy000000000200162",
```

```
"requiredLevelId":null,
         "purpose":null
         "@type":"com.saba.rest.service.goal.GoalAssociationBasicDTO",
         "activityId": "compt00000000001141",
         "requiredLevelValue":1,
         "purpose":null
  1
"submitForApproval":true,
"assignees":[
   "list",
         "@type":"com.saba.party.person.entity.EmployeeReference",
         "id": "emplo000000000001000"
         "@type": "com.saba.party.person.entity.EmployeeReference",
         "id": "emplo000000000200088"
         "@type":"com.saba.party.person.entity.EmployeeReference",
         "id": "emplo000000000200504"
         "@type": "com.saba.party.person.entity.EmployeeReference",
         "id": "emplo000000000200502"
         "@type":"com.saba.party.person.entity.EmployeeReference",
         "id": "emplo000000000200487"
],
"isDirectIndirect":false
```

Return Values (Team)

```
"GoalResultWrapper":{
   "@type":"com.saba.goal.GoalResultWrapper",
   "operationResultEnum": "SUCCESS",
   "qoalResultColl":[
      "list",
      [
            "@type": "com.saba.goal.GoalResult",
            "approvalStatus":{
               "@type":"com.saba.goal.GoalDefinitionApprovalStatus",
               "listId": "sysli000000000006030",
               "key": "200",
               "displayName": "Pending Approval"
            "successFlag":true,
            "successGoalReference":{
               "@type": "com.saba.goal.GoalReferenceWrapper",
               "goalDefinition":{
```

```
"@type": "com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key": "5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
                         "key":"1"
                      "id": "gdefn00000000002973",
                      "displayName":null,
                      "locale":{
                         "@type": "loclref",
                         "id": "local000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type": "com.saba.persist.ObjectId",
                         "id": "qdefn00000000002973",
                         "prefix": "qdefn"
                   "goalAssignment": {
                      "@type": "com.saba.goal.entity.GoalAssignmentReference",
                      "sourceType": "Goal",
                      "id": "gasgn000000000010541",
                      "displayName": "gasgn00000000010541",
                      "locale":{
                         "@type": "loclref",
                         "id":"local000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type": "com.saba.persist.ObjectId",
                         "id": "gasgn00000000010541",
                         "prefix": "gasgn"
                "assignee":{
                   "@type": "emplo",
                   "sourceType": "InternalPerson",
                   "activitySourceType":{
                      "sourceType":0,
                      "listId": "sysli000000000003037",
                      "key":"0",
                      "displayName": "Person"
                   "id": "emplo000000000001001",
                   "displayName": "User Two",
                   "locale":null
               "goalErrorList":null,
               "failedGoalDetail":null
            },
```

```
"@type": "com.saba.goal.GoalResult",
                "approvalStatus":{
                   "@type":"com.saba.goal.GoalDefinitionApprovalStatus",
                   "listId": "sysli000000000006030",
                   "key":"200",
                   "displayName": "Pending Approval"
               "successFlag":true,
               "successGoalReference":{
                   "@type": "com.saba.goal.GoalReferenceWrapper",
                   "goalDefinition":{
                      "@type":"com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key":"5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
                         "key": "1"
                      "id": "gdefn000000000002974",
                      "displayName":null,
                      "locale":{
                         "@type":"loclref",
                         "id": "local0000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type":"com.saba.persist.ObjectId",
                         "id": "gdefn00000000002974",
                         "prefix": "qdefn"
                   },
                   "goalAssignment":{
                      "@type":"com.saba.goal.entity.GoalAssignmentReference",
                      "sourceType": "Goal",
                      "id": "gasgn00000000010542",
                      "displayName": "gasgn00000000010542",
                      "locale":{
                         "@type":"loclref",
                         "id": "local0000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type":"com.saba.persist.ObjectId",
                         "id": "gasgn00000000010542",
                         "prefix": "gasgn"
                "assignee":{
                   "@type":"emplo",
                   "sourceType": "InternalPerson",
                   "activitySourceType":{
```

```
"sourceType":0,
                      "listId": "sysli000000000003037",
                      "key":"0",
                      "displayName": "Person"
                   },
"id": "emplo000000000200003",
""ITTIMAD Adminis
                   "displayName": "Human Administrator",
                   "locale":null
                "goalErrorList":null,
                "failedGoalDetail":null
                "@type": "com.saba.goal.GoalResult",
                "approvalStatus":{
                   "@type": "com.saba.goal.GoalDefinitionApprovalStatus",
                   "listId": "sysli000000000006030",
                   "key":"200",
                   "displayName": "Pending Approval"
                "successFlag":true,
                "successGoalReference":{
                   "@type": "com.saba.goal.GoalReferenceWrapper",
                   "goalDefinition":{
                      "@type":"com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key":"5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
                         "kev":"1"
                      "id": "gdefn00000000002975",
                      "displayName":null,
                      "locale":{
                         "@type":"loclref",
                         "id":"local000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type":"com.saba.persist.ObjectId",
                         "id": "gdefn00000000002975",
                         "prefix": "gdefn"
                   "qoalAssignment":{
                      "@type": "com.saba.goal.entity.GoalAssignmentReference",
                      "sourceType": "Goal",
                      "id": "gasgn00000000010543",
                      "displayName": "gasgn00000000010543",
                      "locale":{
                         "@type":"loclref",
                         "id":"local000000000000001",
                         "displayName":null
```

```
"primaryKey":{
                         "@type": "com.saba.persist.ObjectId",
                         "id": "gasgn00000000010543",
                         "prefix": "gasgn"
               },
                "assignee":{
                   "@type":"emplo",
                   "sourceType": "InternalPerson",
                   "activitySourceType":{
                      "sourceType":0,
                      "listId": "sysli000000000003037",
                      "key":"0",
                      "displayName": "Person"
                   "id": "emplo000000000200004",
                   "displayName": "System Administrator",
                   "locale":null
                "goalErrorList":null,
                "failedGoalDetail":null
               "@type": "com.saba.goal.GoalResult",
                "approvalStatus": {
                   "@type": "com.saba.goal.GoalDefinitionApprovalStatus",
                   "listId": "sysli0000000000006030",
                   "key": "200",
                   "displayName": "Pending Approval"
                "successFlag":true,
                "successGoalReference":{
                   "@type":"com.saba.goal.GoalReferenceWrapper",
                   "goalDefinition":{
                      "@type":"com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key":"5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
                         "key":"1"
                      "id": "qdefn00000000002976",
                      "displayName":null,
                      "locale":{
                         "@type":"loclref",
                         "id":"local000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type": "com.saba.persist.ObjectId",
                         "id": "gdefn000000000002976",
```

```
"prefix": "qdefn"
                     }
                   "goalAssignment":{
                      "@type":"com.saba.goal.entity.GoalAssignmentReference",
                      "sourceType": "Goal",
                      "id": "gasgn00000000010544",
                      "displayName": "gasgn00000000010544",
                      "locale":{
                         "@type": "loclref",
                         "id": "local000000000000001",
                         "displayName":null
                      "primaryKey":{
                         "@type": "com.saba.persist.ObjectId",
                         "id": "gasgn00000000010544",
                         "prefix": "gasgn"
                "assignee":{
                  "@type": "emplo",
                   "sourceType": "InternalPerson",
                   "activitySourceType":{
                      "sourceType":0,
                      "listId": "sysli000000000003037",
                      "key":"0",
                      "displayName": "Person"
                   "id": "emplo000000000200120",
                  "displayName": "B~^ O'pool\"$#@!\"",
                  "locale":null
               "goalErrorList":null,
               "failedGoalDetail":null
               "@type": "com.saba.goal.GoalResult",
               "approvalStatus":{
                   "@type": "com.saba.goal.GoalDefinitionApprovalStatus",
                   "listId": "sysli0000000000006030",
                  "key": "200",
                  "displayName": "Pending Approval"
               "successFlag":true,
               "successGoalReference":{
                   "@type":"com.saba.goal.GoalReferenceWrapper",
                   "goalDefinition":{
                      "@type":"com.saba.goal.entity.GoalDefinitionReference",
                      "sourceType": "Goal",
                      "componentName": "Goal Definition",
                      "activitySourceType":{
                         "sourceType":5,
                         "listId": "sysli000000000003037",
                         "key":"5",
                         "displayName": "Goal"
                      "prescriptionActionType":{
                         "displayName": "Goal",
"logicClassForPrescriptionActionType": "GoalPrescriptionPush",
                         "name": "GoalDefinition",
```

```
"key":"1"
                },
"id":"gdefn00000000002977",

                "locale":{
                   "@type":"loclref",
                   "id":"local000000000000001",
                   "displayName":null
                "primaryKey":{
                   "@type": "com.saba.persist.ObjectId",
                   "id": "gdefn00000000002977",
                   "prefix": "gdefn"
             "goalAssignment":{
                "@type": "com.saba.goal.entity.GoalAssignmentReference",
                "sourceType": "Goal",
                "id": "gasgn00000000010545",
                "displayName": "gasgn00000000010545",
                "locale":{
                   "@type": "loclref",
                   "id":"local000000000000001",
                   "displayName":null
                },
                "primaryKey":{
                   "@type": "com.saba.persist.ObjectId",
                   "id": "gasgn00000000010545",
                   "prefix": "gasgn"
         "assignee":{
             "@type":"emplo",
             "sourceType": "InternalPerson",
             "activitySourceType":{
                "sourceType":0,
                "listId": "sysli000000000003037",
                "key":"0",
                "displayName": "Person"
             "id": "emplo00000000200428",
             "displayName": "mgr01 mgr01",
             "locale":null
         "goalErrorList":null,
         "failedGoalDetail":null
   ]
]
```

CREATE PROGRESS OF A GOAL

Overview

Creates progress of a Goal.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals/:goalId/createProgress

Calling Options

Table 70: Calling Options

Name	Description	Default Value	Data Type	Required?
goalId	ID of goal		string	Yes
@type	@type	com.saba.rest.ser~ vice.goal.RestGoalPro~ gressDetail	string	Yes
goalStatus	Status of a Goal		string	Yes
goalUnit	Goal Unit Reference		string	No
percentageCompleted	The total percentage com~ pleted		string	No
currentValue	Current value		string	No
comment	Comment		string	No
auditReason	Audit Reason		string	No

Request Body

```
{
   "@type":"com.saba.rest.service.goal.RestGoalProgressDetail",
   "goalStatus":{
```

```
"@type":"com.saba.goal.entity.GoalStatusReference",
    "id":"gstts0000000000000000000"

},
    "goalUnit":{
        "@type":"com.saba.goal.entity.GoalUnitReference"
},
    "percentageCompleted":48,
    "currentValue":null,
    "comment":"asd",
    "auditReason":"audit with reason"
}
```

CHANGE STATUS OF A GOAL

Overview

Changes the status of a Goal

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals/:goalId/changeStatus

Calling Options

Table 71: Calling Options

Name	Description	Default Value	Data Type	Required?
goalId	ID of goal		string	Yes
@type	@type	com.saba.rest.ser~ vice.goal.RestGoalPro~ gressDetail	string	Yes
goalStatus	Status of a Goal		string	Yes
goalUnit	Goal Unit Reference		string	No
percentageCompleted	The total percentage com~ pleted		string	No
currentValue	Current value		string	No
comment	Comment		string	No
auditReason	Audit Reason		string	No
overwritePercentage	Whether to overwrite percent~age or not		string	No

Request Body

Return Values

```
"GoalProgressReference":{
    "@type":"com.saba.goal.entity.GoalProgressReference",
    "componentName":"Goal Progress",
    "id":"gprog00000000003959",
    "displayName":"",
    "locale":null,
    "primaryKey":{
        "@type":"com.saba.persist.ObjectId",
        "id":"gprog00000000003959",
        "prefix":"gprog"
    }
}
```

UPDATE APPROVER OF GOAL

Overview

Updates the approver of a goal

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals/:goalId/approvers

Calling Options

Table 72: Calling Options

Name	Description	Default Value	Data Type	Required?
goalId	Id of goal		string	Yes
@type	@type	com.saba.rest.ser~ vice.goal.RestAp~ provalDetail	string	Yes
restApprover	Detail of a Goal Approver		string	Yes
changeLog	Log of changes of attributes		string	No

Request Body

```
"@type": "com.saba.rest.service.qoal.RestApprovalDetail",
"restApprover":{
   "@type":"com.saba.rest.service.goal.RestApprover",
   "approverStatus":{
      "listId": "sysli000000000003077",
      "key":"300"
   },
   "approvers":[
      "list",
      Γ
            "@type":"com.saba.party.person.entity.EmployeeReference",
            "id": "emplo00000000200503"
      ]
   ],
   "comments": "sdfs"
"changeLog":[
   "list",
   [
         "@type":"com.saba.rest.changelog.RestChangeLogDetail",
         "id": "cclog00000000001068",
         "changeLogApprovalStatus":{
            "@type":"com.saba.rest.changelog.RestChangeLogApprovalStatus",
            "key": "300"
         }
      },
{
         "@type":"com.saba.rest.changelog.RestChangeLogDetail",
         "id": "cclog000000000001069",
         "changeLogApprovalStatus":{
            "@type":"com.saba.rest.changelog.RestChangeLogApprovalStatus",
            "key": "300"
      },
{
         "@type": "com.saba.rest.changelog.RestChangeLogDetail",
```

204 No Content

UPDATE GOAL FOR SELF/TEAM

Overview

Updates a Goal for self/team

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/performance/goals/:goalId

Calling Options

Table 73: Calling Options

Name	Description	Default Value	Data Type	Required?
goalId	ID of goal		string	Yes
@type	@type	com.saba.rest.ser~ vice.goal.Saba~ GoalRestDetail	string	Yes
goalAssignmentDetail	Detail of a Goal Assignment		string	Yes
goalDefinitionDetail	Detail of a Goal Defenition		string	Yes

Name	Description	Default Value	Data Type	Required?
organizations	Organization		string	No
assignees	Assignee of goals (Required only while creating tem goal)		string	No
isDirectIndirect	Whether it is direct or undir- ect goal		string	No
selectedObjective	Selected Objective		string	No
submitForApproval	Whether to submit for ap~ proval or not		string	No
isPartialUpdate	Whether it is partial update or not		string	No

Request Body

```
"@type": "com.saba.rest.service.goal.SabaGoalRestDetail",
"goalAssignmentDetail":{
   "@type": "com.saba.rest.service.goal.RestGoalAssignmentDetail",
   "locked":false,
   "mandatory":false,
   "source":{
      "@type": "emplo",
      "activitySourceType":{
         "listId": "sysli000000000003037",
         "sourceType":0,
         "key":"0",
         "displayName": "Person"
      "sourceType": "InternalPerson",
      "id": "emplo00000000001000",
      "displayName": "User One",
      "locale":{
         "@type":"loclref",
         "id":"local000000000000001",
         "displayName":null
   "assignee":{
      "@type": "emplo",
      "activitySourceType":{
         "listId": "sysli000000000003037",
         "sourceType":0,
         "key":"0",
         "displayName": "Person"
      "sourceType": "InternalPerson",
      "id":"emplo00000000001000",
      "displayName": "User One",
      "locale":{
         "@type":"loclref",
         "id":"local000000000000001",
         "displayName":null
```

```
"dueDate":{
         "@type": "date",
         "time": "2016-04-30T00:00:00",
         "date": "2016-04-30T00:00:00"
      "goalDefinition":{
         "@type":"com.saba.goal.entity.GoalDefinitionReference",
         "prescriptionActionType":{
             "displayName": "Goal"
             "logicClassForPrescriptionActionType": "GoalPrescriptionPush",
             "name": "GoalDefinition",
             "key":"1"
         },
         "activitySourceType":{
            "listId": "sysli000000000003037",
             "sourceType":5,
            "key":"5",
             "displayName": "Goal"
         },
         "sourceType": "Goal",
         "componentName": "Goal Definition",
         "id": "qdefn000000000002965",
         "displayName": "app2",
         "locale":{
             "@type":"loclref",
             "id": "local0000000000000001",
             "displayName":null
         "primaryKey":{
             "@type": "com.saba.persist.ObjectId",
             "id": "gdefn000000000002965",
             "prefix": "qdefn"
      "startDate":{
         "@type": "date",
         "time": "2016-04-07T00:00:00",
         "date": "2016-04-07T00:00:00"
      "qoalAssignmentStatus":{
         "@type": "com.saba.goal.entity.GoalStatusReference",
         "statusValue": "gstts000000000001000",
         "id":"gstts00000000001000",
         "displayName": "Active",
         "locale":null,
         "primaryKey":{
             "@type": "com.saba.persist.ObjectId",
             "id":"gstts00000000001000",
            "prefix": "gstts"
      "originalDueDate":null,
      "archived":false,
      "assignmentId": "gasgn000000000010513",
      "dueDays": "30.04.2016",
"assigneePictureURL": "http://<hostname>/production/amployeePicture/notdc000000000201236_amployeePicture.JPES",
      "assignmentCustomValues":[
         "list",
```

```
[
      "@type":"CustomAttributeValueDetail",
      "name": "custom9",
      "datatype":{
         "@type": "CustomAttributeDatatype",
         "value":18
      },
      "value":null,
      "displayName": "custom9"
      "@type": "CustomAttributeValueDetail",
      "name": "custom0",
      "datatype":{
         "@type":"CustomAttributeDatatype",
         "value":18
      "value":null,
      "displayName": "custom0"
      "@type": "CustomAttributeValueDetail",
      "name": "custom3",
      "datatype":{
         "@type": "CustomAttributeDatatype",
         "value":18
      "value":null,
      "displayName": "custom3"
      "@type": "CustomAttributeValueDetail",
      "name": "custom4",
      "datatype":{
         "@type":"CustomAttributeDatatype",
         "value":18
      "value":null,
      "displayName": "custom4"
      "@type": "CustomAttributeValueDetail",
      "name": "custom1",
      "datatype":{
         "@type":"CustomAttributeDatatype",
         "value":18
      "value":null,
      "displayName": "custom1"
      "@type":"CustomAttributeValueDetail",
      "name": "custom2",
      "datatype":{
         "@type": "CustomAttributeDatatype",
         "value":18
      "value":null,
      "displayName": "custom2"
```

```
"@type":"CustomAttributeValueDetail",
            "name": "custom7",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value":null,
            "displayName": "custom7"
            "@type": "CustomAttributeValueDetail",
            "name": "custom8",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value":null,
            "displayName": "custom8"
            "@type": "CustomAttributeValueDetail",
            "name": "custom5",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value":null,
            "displayName": "custom5"
            "@type": "CustomAttributeValueDetail",
            "name": "custom6",
            "datatype":{
               "@type": "CustomAttributeDatatype",
               "value":18
            "value":null,
            "displayName": "custom6"
      1
   ],
   "assignmentMetadata":{
      "@type":"com.saba.ejb.UpdateMetadata",
      "timestamp":"1349202383",
      "locale":{
         "@type":"loclref",
         "id":"local000000000000001",
         "displayName":null
      },
      "primaryKey":{
         "@type":"com.saba.persist.ObjectId",
         "id": "gasgn00000000010513",
         "prefix": "gasgn"
   "missedGoal":false
"goalDefinitionDetail":{
   "@type": "com.saba.rest.service.goal.RestGoalDefinitionDetail",
   "id": "gdefn00000000002965",
   "owner":{
      "@type": "emplo",
```

```
"activitySourceType":{
      "listId": "sysli000000000003037",
      "sourceType":0,
      "key":"0",
      "displayName": "Person"
   "sourceType":"InternalPerson",
   "id": "emplo00000000001000",
   "displayName":null,
   "locale":null
"duration":0,
"description": "adsa",
"shared":false,
"securityDomain":{
   "@type": "com.saba.domain.entity.DomainReference",
   "id": "domin000000000000001",
   "displayName": "world",
   "locale":null,
   "primaryKey":{
      "@type": "com.saba.persist.ObjectId",
      "id": "domin000000000000001",
      "prefix": "domin"
},
"auditDetail":null,
"pullInReview": true,
"title": "app2",
"fixedStartDate":null,
"definitionCustomValues":[
   "list",
         "@type": "CustomAttributeValueDetail",
         "name": "custom0",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         "value":"2",
         "displayName":null
         "@type":"CustomAttributeValueDetail",
         "name": "custom1",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         },
         "value": "2",
         "displayName":null
         "@type": "CustomAttributeValueDetail",
         "name": "custom2",
         "datatype":{
            "@type":"CustomAttributeDatatype",
            "value":18
         "value":"2",
         "displayName":null
      },
```

```
"@type": "CustomAttributeValueDetail",
"name": "custom3",
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
},
"value":"2",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom4",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
},
"value":"2",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom5",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
},
"value":"2",
"displayName":null
"@type": "CustomAttributeValueDetail",
"name": "custom6",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
},
"value":"2",
"displayName":null
"@type":"CustomAttributeValueDetail",
"name": "custom7",
"datatype":{
   "@type":"CustomAttributeDatatype",
   "value":18
"value":"2",
"displayName":null
"@type":"CustomAttributeValueDetail",
"name": "custom8",
"datatype":{
   "@type": "CustomAttributeDatatype",
   "value":18
"value":"2",
"displayName":null
"@type": "CustomAttributeValueDetail",
```

```
"name": "custom9",
         "datatype":{
            "@type": "CustomAttributeDatatype",
            "value":18
         },
         "value":"2",
         "displayName":null
  ]
"goalApprovalStatus":{
 "@type":"com.saba.rest.service.goal.RestGoalDefinitionApprovalStatus",
   "key": "300",
   "description": "Approved"
"goalDefinitionStatus":{
   "@type":"com.saba.rest.service.goal.RestGoalDefinitionStatus",
   "key": "Active",
   "description": "Active"
"goalVisibility": "gvizr00000000001002",
"parentLibGoalId":null,
"goalVisibilityName": "Everyone",
"definitionMetadata":{
   "@type": "com.saba.ejb.UpdateMetadata",
   "timestamp": "1591708561",
   "locale":{
      "@type":"loclref",
      "id": "local0000000000000001",
      "displayName":null
   "primaryKey":{
      "@type": "com.saba.persist.ObjectId",
      "id": "gdefn00000000002965",
      "prefix": "gdefn"
"template": false,
"expiryDate":null,
"libGoalVisibilityKey":null,
"required":false,
"pushed":false,
"fixedEndDate":null,
"shortDescription":"",
"goalType":{
   "@type": "com.saba.goal.entity.GoalTypeReference",
   "id": "goalt000000000000001",
   "displayName": "Performance Goal",
   "locale":{
      "@type":"loclref",
      "id": "local0000000000000001",
      "displayName":null
   "primaryKey":{
      "@type": "com.saba.persist.ObjectId",
      "id": "goalt000000000000001",
      "prefix": "goalt"
"goalCategory":{
   "@type": "com.saba.goal.entity.GoalCategoryReference",
```

```
"id": "gcate000000000000011"
      },
"isLibraryGoal":false,
"islibraryGoal":1,
      "goalMetric":{
          "@type":"com.saba.goal.entity.GoalMetricReference",
          "id": "gmetr00000000001040"
      "goalAction":{
          "@type": "com.saba.goal.entity.GoalActionReference",
          "id": "gactn000000000001040"
      "goalUnit":{
          "@type": "com.saba.goal.entity.GoalUnitReference",
          "id": "gunit00000000001004"
      "smartGoal":false,
      "targetValue":2
   },
   "organizations":[
      "list",
}
```

Request Body (Submit for approval)

```
{
   "@type":"com.saba.rest.service.goal.SabaGoalRestDetail",
   "isPartialUpdate":true,
   "goalAssignmentDetail":{
        "@type":"com.saba.rest.service.goal.RestGoalAssignmentDetail"
},
   "submitForApproval":true
}
```

Request Body (Mark as Archive or Unarchived)

```
{
   "@type":"com.saba.rest.service.goal.SabaGoalRestDetail",
   "isPartialUpdate":true,
   "goalAssignmentDetail":{
        "@type":"com.saba.rest.service.goal.RestGoalAssignmentDetail",
        "archived":true
   }
}
```

Return Values

```
204 No Content
```

Note: For more details on this see REST API Reference.

Use case

This enhancement makes it possible to add and update Goals, Goal Progress and Status using REST APIs.

APIs for adding, updating, deleting and retrieving Currency list of a person

How did it work?

There were no REST APIs for adding, updating, deleting and retrieving Currency list of a person.

How does it work now?

The following new REST APIs will now allow adding, updating, deleting and retrieving Currency list of a person:

ADD CURRENCY TO PERSON

Overview

Adds a person's currency.

Requires OAuth

No

Method

POST

URL

https://<hostname-api.sabacloud.com>/v1/people/:personId/currencyList

Calling Options

Table 74: Calling Options

Name	Description	Default Value	Data Type	Required?
currencyList	currencyList to be associated	[{ "id":'anxy000000000000000000000000000000000000	string	Yes
personId	ID of the Person		string	Yes

Request Body

Return Values

```
{
   "id": "persn00000000001027",
   "displayName": "CTWO3",
   "href": ""https://<host_name>/v1/people/persn000000000001027"
}
```

MARK THE CURRENCY ACTIVE/INACTIVE

Overview

Updates the account currency of the Person.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/people/:personId/currencyList/:currencyId

Calling Options

Table 75: Calling Options

Name	Description	Default Value	Data Type	Required?
personId	Person's ID		string	Yes
currencyId	Currency ID of the currency to be updated		string	Yes
active	Set the currency to active/in~ active	true	string	Yes

Request Body

```
{
  "active": false
}
```

DELETE PERSON'S CURRENCY

Overview

Delete a currency from the associated currency list of a particular person.

Requires OAuth

No

URL

https://<hostname-api.sabacloud.com>/v1/people/:personId/currencyList/:currencyId

Calling Options

Table 76: Calling Options

Name	Description	Default Value	Data Type	Required?
personId	Person's ID		string	Yes
currencyId	Currency ID of the currency to be deleted		string	Yes

DELETE PERSON'S CURRENCY BASED ON CURRENCY ISOCODE LOOKUP

Overview

Deletes a currency from the associated currency list of a particular person based on currency isocode lookup.

Requires OAuth

No

URL

https://<hostname-api.sabacloud.com>/v1/people/:personId/currencyList/name=:isoCode

Calling Options

Table 77: Calling Options

Name	Description	Default Value	Data Type	Required?
personId	Person's ID		string	Yes
isoCode	ISO code of the currency		string	Yes

GET THE REQUIRED PROFILE DETAILS OF A PARTICULAR PERSON

Overview

Returns the required profile details of a particular person based on the Person's ID passed as a parameter value.

Requires OAuth

No

Method

GET

URL

https://<hostname-api.sabacloud.com>/v1/people/:id:(:searchFields)

Example

https://<hostname-api.sabacloud.com>/v1/people/persn00000000001027:(currencyList)

Calling Options

Table 78: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Person's ID	per~ sn000000000001000	string	Yes
searchFields	Indicate the field(s) that you intend to extract: flightRisk,socialProfile,tran~scripts,externalWorkHis~tory,interests,competencies, centraProfile,education,core~Profile,languages,team~Info,imProfile,customSec~tion1, secondaryAddress,cus~tomSection3,careerInt~erests,customSection2,extern~alCertifications, mobility,net~workInfo,potentialRating, requiredJobRoles, optional~JobRoles, securityRoles, ob~jective, currencyList	flightRisk	string	No

Return Values

```
"id": "persn00000000001027",
"currencyList": [
 {
   "name": "US Dollars",
   "default": true,
   "precision": 2,
   "active": true,
   "short name": "USD",
   "iso_code": "USD",
    "id": "crncy00000000000001"
    "name": "dc",
   "default": false,
   "precision": 2,
   "active": false,
   "short_name": "dc",
    "iso_code": "dc ",
    "id": "crncy000000000202978"
    "name": "Currency2",
    "default": true,
    "precision": 2,
    "active": false,
```

```
"short_name": "CY2",
    "iso_code": "CY2",
    "id": "crncy000000000001006"
    "name": "Currency1",
    "default": false,
    "precision": 2,
    "active": false,
    "short_name": "CY1",
    "iso_code": "CY1",
    "id": "crncy000000000001005"
]
```

Note: For more details on this see REST API Reference.

Use case

This enhancement makes it possible to add, update, delete and retrieve the Currency list of a person using REST APIs.

API to mark a task/registration module complete

How did it work?

There was no REST API for marking a task/registration module complete.

How does it work now?

The following new REST API will now allow marking a task/registration module complete:

MARK A TASK / REGISTRATION MODULE COMPLETE

Overview

Allows to mark a task/registration module complete.

Requires OAuth

No

Method

PUT

URL

https://<hostname-api.sabacloud.com>/v1/learning/enroll/assignments/action/:regModuleId?action=:actionName

Calling Options

Table 79: Calling Options

Name	Description	Sample Value	Data Type	Required?
regModuleId	Registration module's ID		string	Yes

Name	Description	Sample Value	Data Type	Required?
actionName	Action to be performed. Accepted values: markComplete signoff	markComplete	enumerated	Yes
@type	Input JSON class name	com.saba.learning.ser~ vices.activities .RegistrationModule~ ActionInfo	string	Yes
evaluatorIds	List of evaluator IDs	["list", ["em~ plo00000000001026"]	string	No

Request Body (To mark complete or request evaluation)

Request Body (To approve task)

Return Values

```
204 No Content
```

Note: For more details on this see REST API Reference.

Use case

This enhancement would allow embedding tasks links in external interfaces and sites like Sharepoint without the user having to access the Saba UI to launch the task or mark it as evaluated.

API to delete a facility

How did it work?

There was no REST API for deleting a facility.

How does it work now?

The following new REST API will now allow deleting a facility:

DELETE A FACILITY

Overview

Deletes a particular facility using facility number.

Requires OAuth

No

Method

DELETE

URL

https://<hostname-api.sabacloud.com>/v1/facility/facility_no=:facility_no

Calling Options

Table 80: Calling Options

Name	Description	Default Value	Data Type	Required?
facility_no	Facility's number	001000	string	Yes

Return Values

Status 200 OK



Note: For more details on this see REST API Reference.

Use case

This enhancement would allow embedding tasks links in external interfaces and sites like Sharepoint without the user having to access the Saba UI to launch the task or mark it as evaluated.

Caching for REST APIs

How did it work?

REST API results were not cached.

How does it work now?

The GET ALL REST APIs results can now be cached to improve the performance of the GET ALL REST end points.

Note: By default, this feature will be disabled. To enable this feature, submit a support request. For assistance, contact your Customer Success Manager.

As of now, all the records that the GET APIs retrieve will be cached, however, in the upcoming releases, there will be a configurable limit option that will allow setting the number of records (returned by the GET ALL APIs) that need to cached.

Use case

REST Web services are widely used by customers to build their own app and surface them in Saba Cloud. Out of the many available Web services, the Get All end points are heavily used to get all the records for the provided component. With the growing volume of data, at times there are performance issues. Caching of data returned by the Get All REST APIs would help improve the performance of these REST end points and enable API GET requests for larger datasets with higher order page numbers to return successfully without timeouts.

Smart List / PR

Manage prescriptive rule when the rule creator is terminated

How did it work?

When the PR is created to run with creator privileges, the PR uses **created_by** and **created_id** fields to authenticate and run the PR. But, when the creator is terminated, there was no provision to change the creator from UI. Also, the **created_by** and **created_id** fields are more of audit fields hence they should not be updated from backend.

How does it work now?

A new field **Owner** has been added on the New Prescriptive Rule page that will track the owner that creates the PR. The user can still choose to execute the rule with creator's privileges or administrator's privileges. Any person who has the privileges to edit the PR, can change the owner.

Note: A force audit is performed on changing the owner of the PR.

New Prescriptive Rule				
1.Rule Details> 2	* = required .Member Selection *** 3.Requirements *** 4.Preview *** 5.Activate Switch to Standard Mode			
Note: The scheduling of the presc	riptive rules here, is based on the time zone of the logged in user.			
Name*				
Description				
Member Selection*	Character Limit : 255 Select members manually Define selection criteria based on which members will be selected dynamically			
Domain*	world			
Processing Schedule	Process this rule Once Onally recurs every days Weekly recurs every Sun Mon Tue Wed Thu Fri Sat User Timezone: (GMT+05:30) Chennai, Kolkata, Mumbai, New Delhi Start Date* 28-MAR-2016 End Date			
	Start Time* 11 ; 59 ○A.M. ⊕P.M.			
Created By	superuser			
Owner*	Charles Foster			
This rule must run with	 ● Creator's privileges ○ Administrator's privileges 			
Export to	●Do not export member list Export member list to SabaCloud (SFTP)			

Figure 18: Owner field in PR

The PR owner can now be tracked and edited and the same can be viewed in the **Processing History** tab once the PR process starts.

New attributes in the Smart List criteria of a prescriptive rule

How did it work?

The smart list criteria of a prescriptive rule does not include some of the talent and career planning attributes.

How does it work now?

Saba Cloud now introduces the following new attributes in the smart list criteria of a prescriptive rule:

- 1. Talent Pool
 - a. Pool Name
- 2. Career Planning
 - a. Career Path 1

- i. Timeframe 1
- ii. Timeframe 2
- iii. Timeframe 3
- iv. Timeframe 4
- **b.** Career Path 2
 - i. Timeframe 1
 - ii. Timeframe 2
 - iii. Timeframe 3
 - iv. Timeframe 4
- c. Career Path 3
 - i. Timeframe 1
 - ii. Timeframe 2
 - iii. Timeframe 3
 - iv. Timeframe 4
- d. Career Path 4
 - i. Timeframe 1
 - ii. Timeframe 2
 - iii. Timeframe 3
 - iv. Timeframe 4

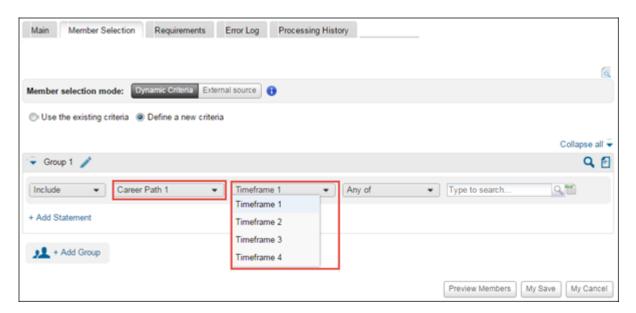


Figure 19: New component privilege for PR

The admin can fetch the members from PR via Smart List using the Career Path & Talent attributes. The PR pulls all the members who have created career paths and who are associated with any talent pool.

The above attributes are accessbile from the following clickpaths:

- 1. Admin > Talent > Talent Pool > Create Pool > Manage Pool > Find Candidates
- 2. My team > Talent > Create pool > Criteria > Manage Pool > Find Candidates

Use case

The people admin can now assign career paths and talent pools to users using the Career Planning and Talent Pool attributes.

Prescriptive rule member selection using local CSV upload

How did it work?

Although Saba Cloud allowed prescriptive rule member selection using an external source such as SFTP or HTTP, it did not provide the ability to add members in bulk by uploading a local CSV file.

How does it work now?

This update allows people administrators to add prescriptive rule members in bulk by uploading a local CSV file containing user details. After a successful upload, all active users are displayed in the member list when they are previewed.

To upload the local CSV file:

- 1. Navigate to the **Member Selection** tab of the required prescriptive rule.
- 2. Click External Source.
- 3. Select Local from the External source type dropdown list. The File field appears.
- 4. Browse and select the required CSV file containing the member details from your local machine.
- 5. Click the **Upload** button.
- 6. Click the Save button.

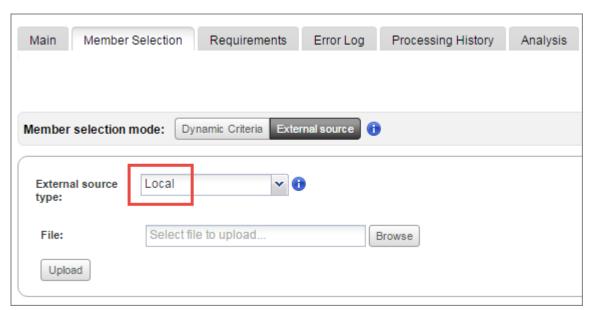


Figure 20: Add members using CSV file

Use case

For certain organizations, it is not feasible to define criteria-based membership while assigning learning such as certifications via prescriptive rules, and so, they need to do the assignment in bulk by uploading an external file. However, for security reasons, they cannot store the files outside their environment and upload them via the current options such as SFTP, HTTP or Saba Cloud. Therefore, there is a need to provide an option to upload files containing user information directly from a local machine.

Prescriptive rule for course and review can be executed by administrator privileges

How did it work?

When the course and review is pushed via prescriptive rule (PR), it is created with creator privileges. Such PRs are not visible on UI as they are created in backend and cannot be searched. They will appear in the **Monitor** tab, only when the PR execution fails.

How does it work now?

The prescriptive rule for course and review can be executed by administrator privileges as well. This is now governed by the privilege **Can create a prescriptive rule that runs with administrator privileges** in the **Prescriptive Rule** component. By default, this privilege is disabled. When this privilege is enabled, then the PRs created through course and review will be created with **admin** privileges. When this privilege is disabled, then the PRs created through course and review will be created with **creator** privileges. So if a catalog admin or performance admin has this privilege, and if they assign a course or assign the review to users, then that PR will be created with **admin** privilege instead of **creator** privilege. This privilege will also affect the internal PRs that are created by Instructor desk while assigning learner with CSV and qualified completed courses.

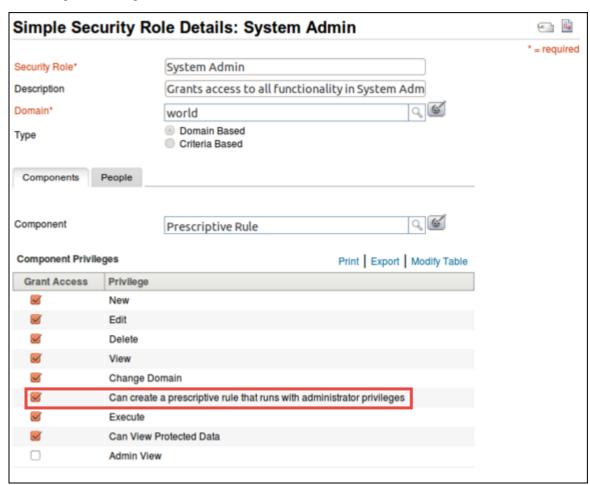


Figure 21: New component privilege for PR

Use case

The catalog admin and performance admin can now choose whether to assign a course and assign a review through **admin** privileges or **creators** privilege.

UI enhancements

Changes to the Team Overview page

How did it work?

On the **Team Overview** page for managers:

- If an alternate team members of a manager had any direct reports, then there was no way to view them from the Team Overview page.
- If a person reporting to the manager's position had any direct reports, then there was no way to view them from the Team Overview page.
- The reporting positions for a manager were displayed in the top drilldown filter of the Team Overview page.
- There was no way for managers to filter their direct, alternate or other team members by their organization or job type on the Team Overview page.

How does it work now?

This update enhances the **Team Overview** page for managers as follows:

- When managers select the **Alternate Team** option on the **Team Overview** page, they now see a <*x*> **Direct Reports** link for each alternate member who has direct report. Clicking this link takes the manager to the page displaying that member's direct reports. Further, if any of these members have direct reports, then the <*x*> **Direct Reports** link is present for them. Managers can use the link to navigate further down the hierarchy till they reach the bottom of the hierarchy for member.
- The **All Others** option in the top dropdown filter is renamed to **Other Team(s)**.
- Similarly, when managers select the **Other Team(s)** option on the **Team Overview** page, they now see a <*x>* **Direct Reports** link for each member who has direct report. Clicking this link takes the manager to the page displaying that member's direct reports. Further, if any of these members have direct reports, then the <*x>* **Direct Reports** link is present for them. Managers can use the link to navigate further down the hierarchy till they reach the bottom of the hierarchy for member.
- The top dropdown filter on the Team Overview page now displays the logged in user's held position.
- **Team Overview** page now displays two new dropdown filters, namely, **Organization** and **Job** for Direct, Alternate and Other Team(s) view. Managers can specify the required organization or job type in these fields to filter their reports. The filter option values for direct and alternate view are shown based on the organization or job type of all reports. While the filter option value for the Other Team(s) view is calculated based on the reports to the position of the logged in user. Drilling down the hierarchy of reports, the filter values change based on the context of the user or position the manager is in.

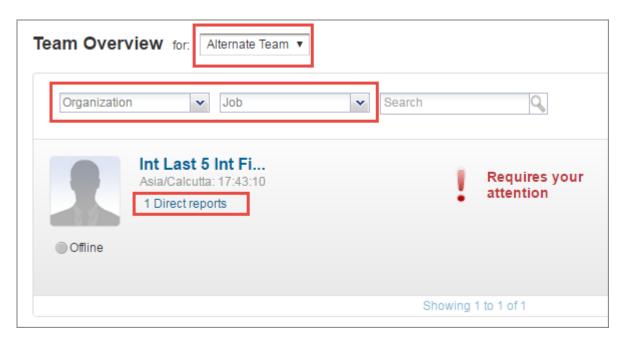


Figure 22: Enhanced Team Overview page

- Managers need to navigate down their hierarchy, irrespective of whether it is a person hierarchy or a position hierarchy.
- Managers having multiple teams in multiple locations need to filter the list of their reporting team members by
 location so that they can assign location-specific training to them. The managers also need to assign job-specific
 training to a group of customer service representatives. The filters on the Team Overview page allow managers to
 perform these actions.

Chapter

2

Analytics

Topics:

- Framework enhancements
- New Reports
- Updated Reports
- New Attributes
- Updated Attributes

Framework enhancements

Not contains as the new filter operator

How did it work?

There was no filter operator to completely filter out certain string data.

How does it work now?

A new filter operator called Not contains is now available to completely filter out certain string data.

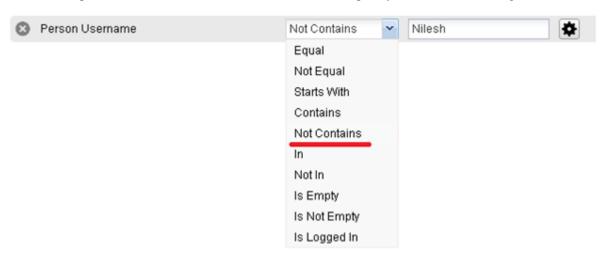


Figure 23: Not contains filter operator

You can also choose the Case Sensitive option for this filter operator.



Figure 24: Not contains filter operator - with Case Sensitive option

Use case

This enhancement is useful for filtering out some data, for example: Exclude an entire email domain or names with the word "test".

Color picker accepts Hex color code for Report Theme

How did it work?

The color picker for the Report Theme was limited to using the slider for the desired colour.

How does it work now?

While creating or editing a theme for reports which are used in PDF, the color picker now also allows entering Hex color code.

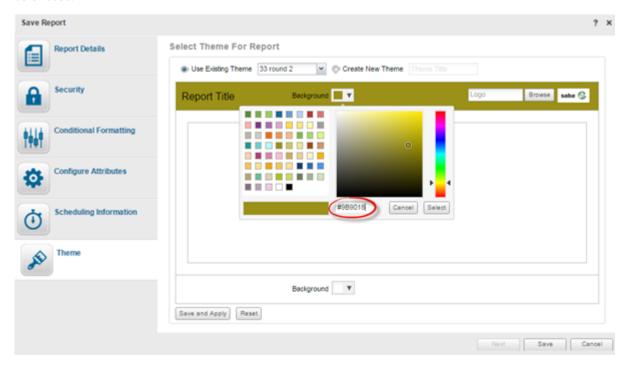


Figure 25: Hex color code

Use case

The ability to select colour was limited to using the slider for the desired colour which was not a user friendly way to determine the exact branding RGB value.

Report notice messages presented as notice bubbles

How did it work?

The report notice messages (refresh messages) appeared at different locations in report window and didn't acquire immediate user attention.

How does it work now?

In this update, these notice messages will appear on the top of launched reports as "Notice Bubble". The messages will fly into the view once the report is launched and will be animated until the user hovers on it once and views the message.

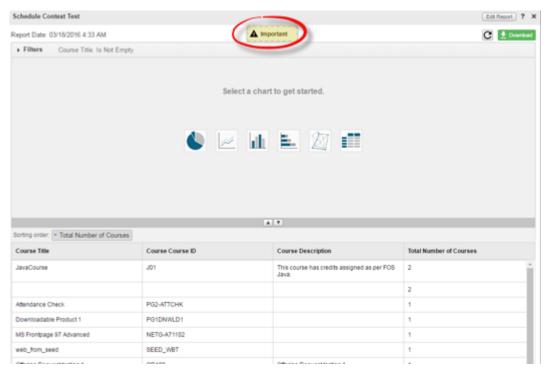


Figure 26: Message on the report

On hover, the notice bubble expands and the underlying message is shown. You can move the mouse away to close the expanded view or you can click the 'x' icon to remove the notice.

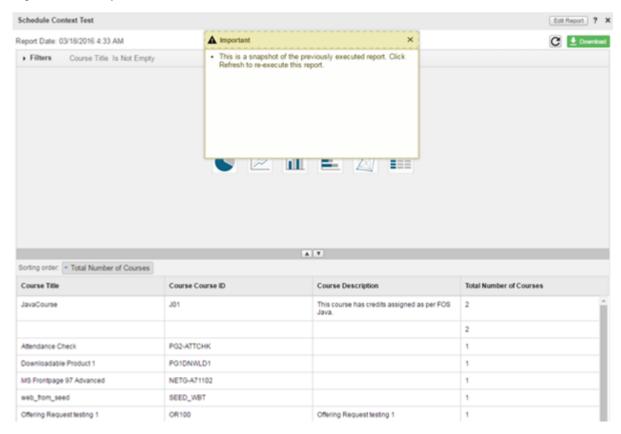


Figure 27: Hovering on the bubble

The current presentation of the report notice messages (refresh messages) is not so intuitive and attention seeking. This enhancements makes all these notice messages more prominent.

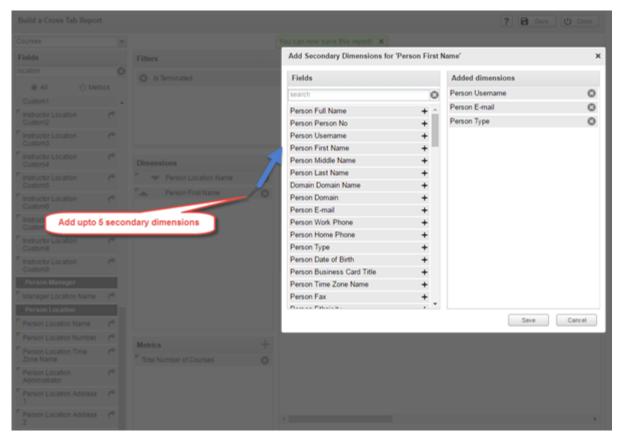
Grouping for Crosstab reports

How did it work?

The grouping functionality was not available for Crosstab reports.

How does it work now?

Crosstab reports now support grouping. While creating a crosstab report you can add upto 5 secondary dimensions.



Note: The additional secondary dimensions can be added from the same entity as of the row dimension. You can only add dimensions and not Metrics.

Figure 28: Adding secondary dimensions

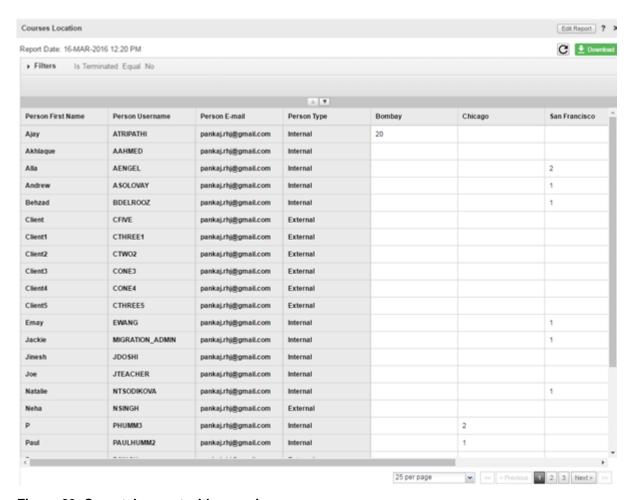


Figure 29: Crosstab report with grouping

N/A

Quarterly and Hourly scheduling of Analytics reports

How did it work?

Scheduling the Analytics reports quarterly and hourly was not supported.

How does it work now?

It is now possible to schedule the Analytics reports quarterly and hourly.

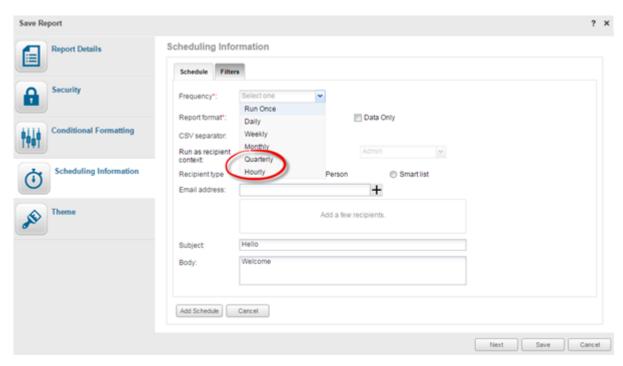


Figure 30: Additional frequencies

You can select the **Quarterly** option in the Frequency dropdown. After selecting the frequency type as Quarterly you need to select the **Day of month** value to schedule the report for every quarter on that day.

Scheduling Information

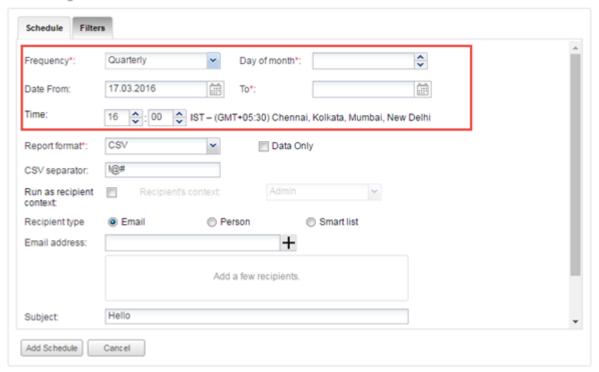


Figure 31: Quarterly

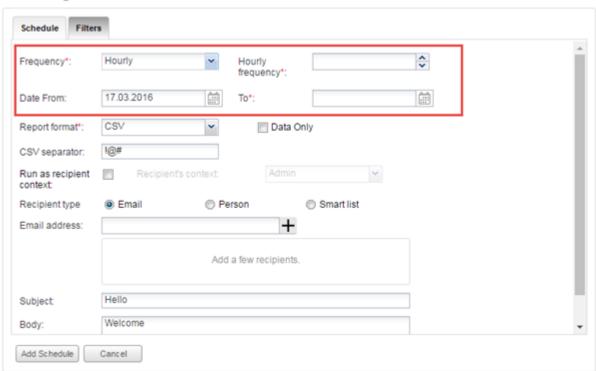


• If you pass the **Day of month** as a value that has already passed for the current month then the report will be scheduled for that date of the next month, post which the report will be scheduled quarterly.

- If you pass the **Day of month** as a value which is yet to pass for the current month then the report will be scheduled for that date of the current month, post which the report will be scheduled quarterly.
- If you have set the **Day of month** as 30th of November for the first run which means the next run would be 30th February (which does not exist), in this case, the scheduler will run on next scheduled date i.e. 30th of May.

You can select the **Hourly** option in the Frequency dropdown. After selecting the frequency type as Hourly you need to select the **Hourly Frequency** (x) to schedule the report for every x hours within the specified date range.

Scheduling Information



Note:

- The hourly frequency value can be in the range: 1-12. If you set the **Hourly Frequency** value greater than 12, the report will execute only once in a day which is the same as scheduling the report daily on that time.
- If you pass the **Hourly Frequency** value 'x' and a date range, the report will be scheduled for every 'x' hours for each day in the date range starting from 12 am.

For example:

Frequency type: Hourly Hourly Frequency: 5 Start date: 23/11/2015 End date: 25/11/2015

For days: 23, 24 and 25 the report will be scheduled at: 12AM, 5 AM, 10 AM, 3 PM, 8 PM

Note: After 8PM the report will not be schedule after 5 hours i.e. 1AM of next day. After the day is complete, the scheduler will start from the next day i.e. 12 AM and the cycle of 5 hours continues

Figure 32: Hourly

This enhancement makes the Analytics Report Scheduler more flexible.

Tent card reports

How did it work?

This is a new functionality.

How does it work now?

Analytics now allows creating simpler forms of reports that you can print out and place like tent cards. Tent card reports have a printing format which allows placing them on a paper for this purpose.

Note: To enable the feature, submit a support request. For assistance, contact your Customer Success Manager.

Person Full Name Ajay Tripathi
Person Domain world
Person Role 1
Course Title AdvancedJava
Is Course having Prerequisites No

Person Full Name Ajay Tripathi
Person Domain world

Person Role Engineer Role 1
Course Title AdvancedJava

Figure 33: Tent card report

While creating/editing a report, you can enable the tent card report option for that report.

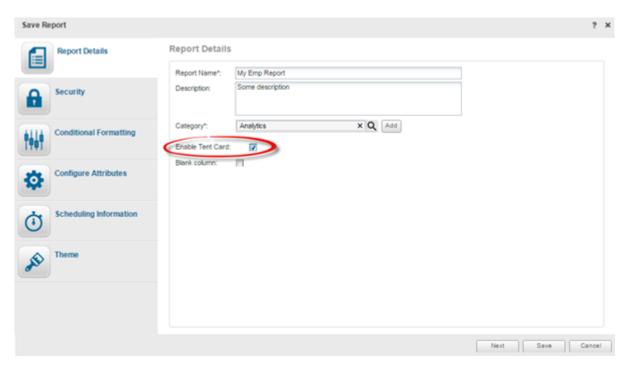


Figure 34: Enable Tent Card

After you enable the Tent Card option for a report, you can download it.

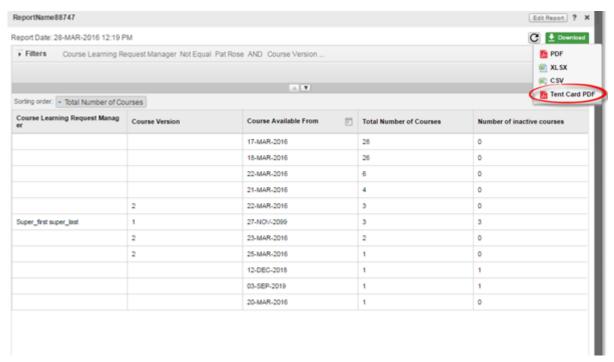


Figure 35: Download Tent Card

Whilst downloading it, you can design the tent card by adding the required attributes.

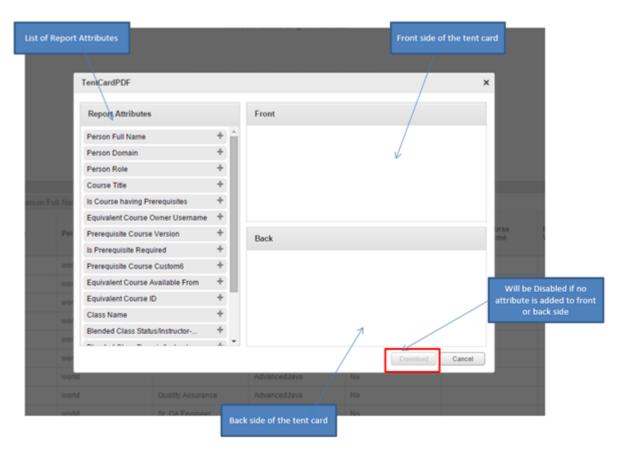


Figure 36: Designing the Tent card report

To add the required attributes, you can drag them to the Front or Back areas or you can click + and select Add to front or Add to back.

Note: Saba recommends adding not more than 5 attributes on either side (Front or Back).

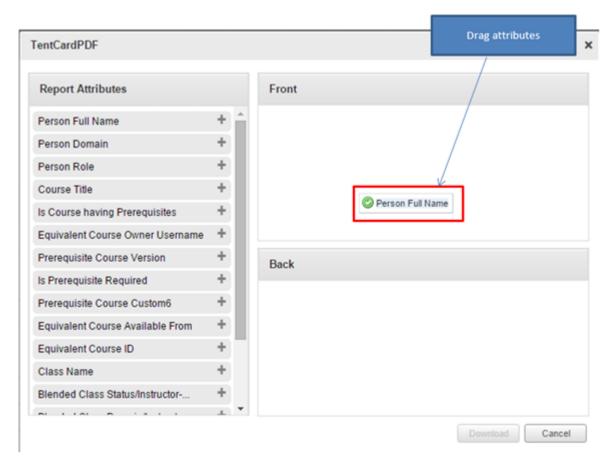
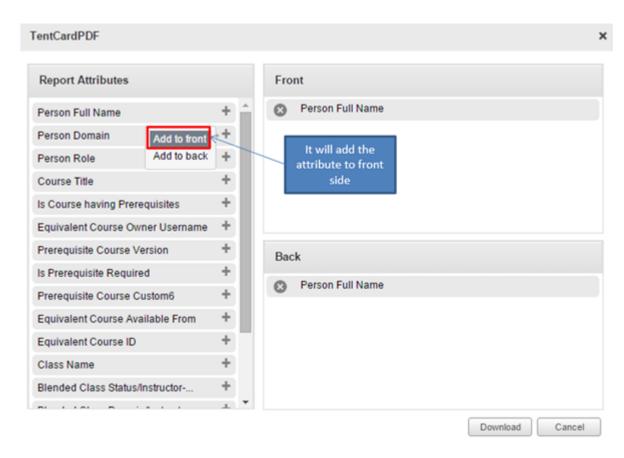
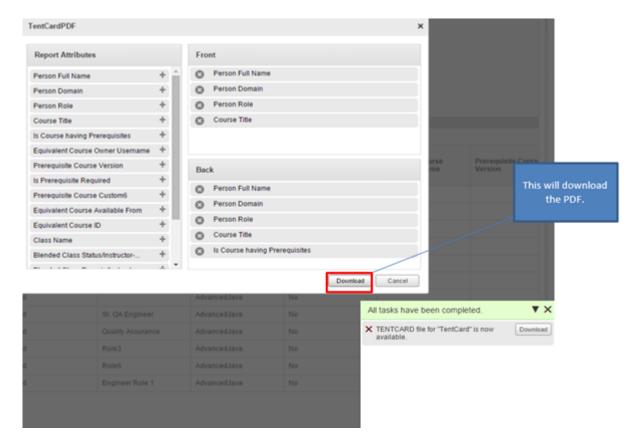


Figure 37: Drag the required attributes



After designing the Tent card report you can download it.

Figure 38: Add the required attributes



This enhancement provides a printable format which allows placing the report content on paper.

Figure 39: Download the Tent card report

Custom metrics support aggregation in total row

How did it work?

Custom metrics in Analytics did not support aggregation in total row.

How does it work now?

You can now define the total row aggregation for the custom metrics while creating or editing custom metric.

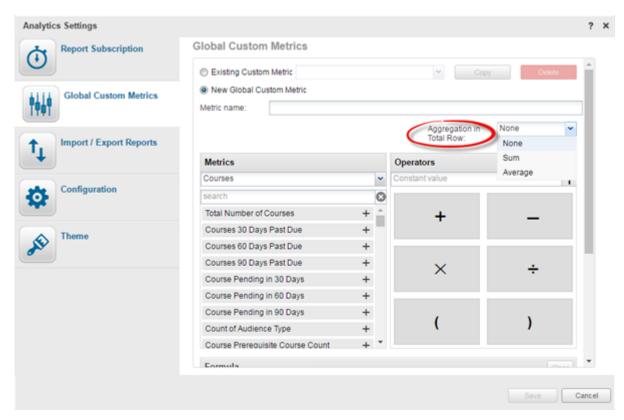


Figure 40: Defining custom metrics

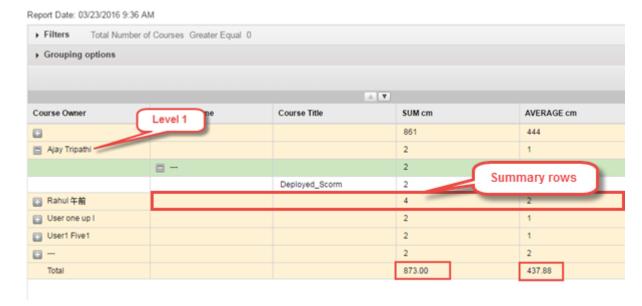
By default the aggregation for the new custom metric will be set to None. You can choose one of the following options for aggregation:

- Sum
- Average

Note: All the existing custom metrics will default to None. You can edit them (if required) to set the aggregation.

A global custom metric will carry forward the defined aggregate operators in the reports which cannot be modified at report level.

In Grouped reports, when roll ups are calculated for the custom metrics for the summary rows, aggregation is performed on their composite values first. The formula is then evaluated on the result of the composite values' aggregations to get the rolled up value for the custom metric in the summary rows. For the total rows, the aggregation of custom metrics is performed on the already evaluated values present in the top level summary rows. For custom metrics with "Average" as the total row aggregation, the total will be the sum of the values in the top level summary rows (groupings) divided by the count of the summary rows (groupings).



In addition to this, the following OOB Formula metrics will now support SUM total in the total rows wherever applicable:

- · Courses Not Started in Certification Path
- · Courses Not Started in Curricula Path

The following table indicates how the custom metric total row aggregation (SUM and AVG) is applicable to the Analytics reports:

Report Type	Report	PDF	Excel	CSV
FlatList	No	No	Yes	Yes
Grouped	Yes	Yes	NA	Yes
Hierarchy	Yes	NA	NA	Yes
Cross Tab	Yes	Yes	Yes	Yes
Data Extract	No	No	No	No

Use case

Figure 41: Group report

N/A

Reorder report filters

How did it work?

It was not possible to reorder report filters by dragging and dropping, similar to Dimensions and Metrics.

How does it work now?

You can now reorder the report filters by dragging and dropping, similar to Dimensions and Metrics, where filter order can be altered while authoring the report or report within a dashboard.

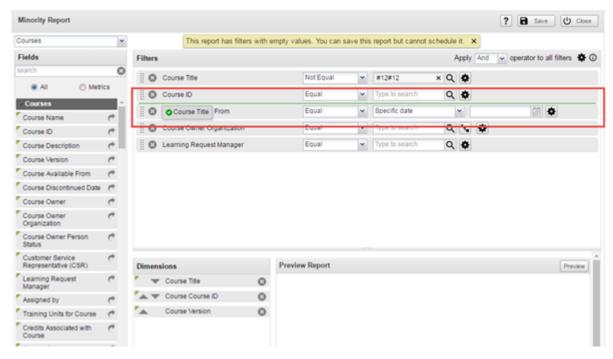
Minority Report ? Save U Close Courses This report has filters with empty values. You can save this report but cannot schedule it. X Fields Apply And v operator to all filters 🏚 🛈 0 Not Equal ₩ #12#12 x Q 🏚 ▼ Type to search Equal Q o Course Available From Equal Specific date ~ O Course Owner Organization Y Type to search Equal Q . . Course ID ▼ Type to search Equal 9 Learning Request Manager Course Description Course Version Course Available From Course Discontinued Date Course Owner Course Owner Person Status Preview Report Learning Request 0 ▲ ▼ Course Course ID 0 Assigned by Course Version 0 Training Units for Course Credits Associated with

In the create or edit view of the report, notice the handle icon next to each report filter.

Figure 42: Handle icon for filters

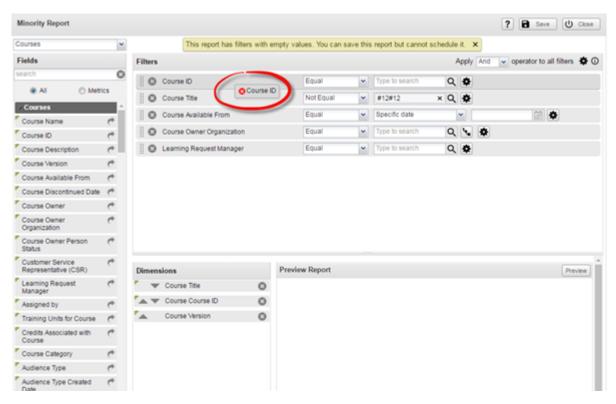
Course Category (*

You can grab that icon and drag it to move that filter to the desired position in the filters listing, a highlight line will appear for all allowed positions along with a valid/invalid icon to denote whether filter can be placed there.



In case the position is invalid, the feedback icon will be red.

Figure 43: Dragging filters



If filter groups are available, the filter groups are always at the bottom of filters list while primary (i.e. independent of any group) filters will stay at the top, and only such primary filters are reorderable and filters within groups do not have the handle icon.

Note: You cannot drag any primary filter into a group while reordering, instead click on the Filter Configure icon and then group the filters.

If you do not re-order any filters, then by default, the filters during the report execution will be sequenced as all the mandatory filters first followed by the optional filters.

Use case

Figure 44: Dragging filters - Invalid

This enhancement improves the user experience while creating/editing a report.

Interchange axis/legend dimension values in a dashboard report

How did it work?

It was not possible to interchange the axis/legend dimension values in a dashboard report.

How does it work now?

You can now interchange the axis/legend dimension values in a dashboard report.

This update introduces a new button for interchanging the axis/legend dimension values in a dashboard report's creation/edit widget.

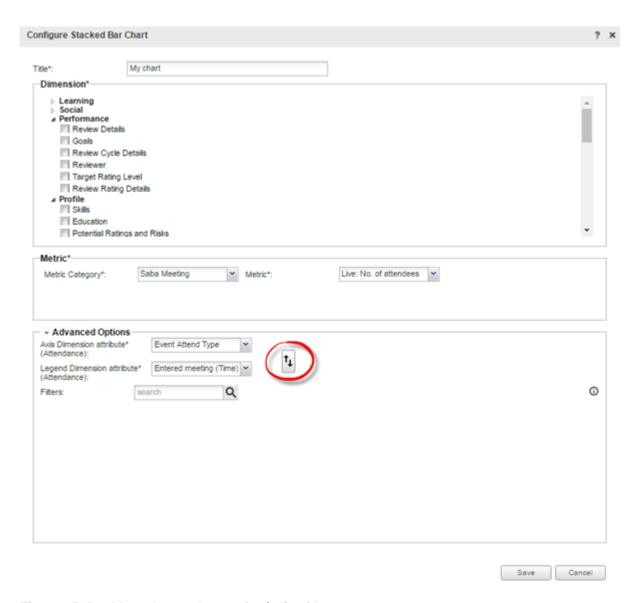


Figure 45: Dashboard report's creation/edit widget

Use case

This enhancement improves the user experience.

Report execution details to be available on the top of the reports

How did it work?

The report execution details were not available on the top of the reports. They were only available at the bottom of the report.

How does it work now?

The report execution details are now available on the top of the reports. When you download a report or a dashboard as a pdf or excel, the execution details will be printed at the top of the downloaded report. This is only available for PDF and Excel exports.



Note: The same is applicable for the scheduled reports.

Course Catalog

Created by: User One. Generated on 04/11/2016 9:20 PM PST by User One.

No chart configured

Filters

Content name Equal ae_AICC

Course Title	Class ID	Content name	Content format	Content folder
Lac contents 3 / attempts 5	00200461	ae_AICC	AICC	Folder 3
Lac contents 3 / attempts 5	00200460	ae_AICC	AICC	Folder 3
ae_content	AE-E-00200180	ae_AICC	AICC	Folder 3
ae_content	AE-E-00200128	ae_AICC	AICC	Folder 3
ae_content	AE-A-00200127	ae_AICC	AICC	Folder 3

Created by: User One.

Generated on 04/11/2016 9:20 PM PST by User One.

Figure 46: Report execution details

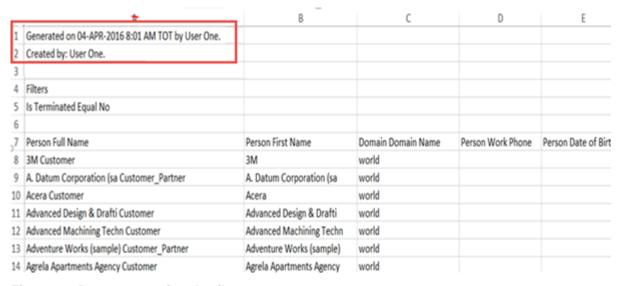


Figure 47: Report execution details

Use case

Prior to this enhancement, the same data was only provided at the bottom of the report. With this enhancement, a convenience of viewing the report run date and time on top has been provided.

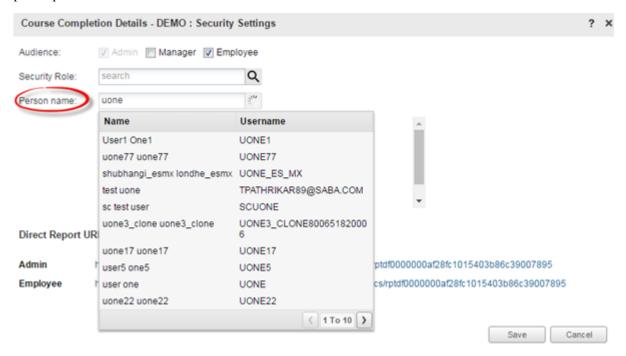
Share reports or dashboards with specific users using manager or employee as the audience

How did it work?

You could only share reports or dashboards with individual users using Admin as the Audience.

How does it work now?

You can now share reports or dashboards with individual users using Manager as well as Employee as the Audience in addition to Admin. While sharing the report using **Action** > **Share**, you can now choose an individual user using the person picker.



Use case

It was possible to share reports with individual users for ADMIN context. This enhancement extends the same for Manager and Employee contexts.

Figure 48: Person picker while sharing with manager or employee as the audience

Hide non-editable report filters

How did it work?

It was not possible to hide non-editable report filters.

How does it work now?

While saving the report, you will now have an option to hide non-editable report filters. A check box will be available to allow this.

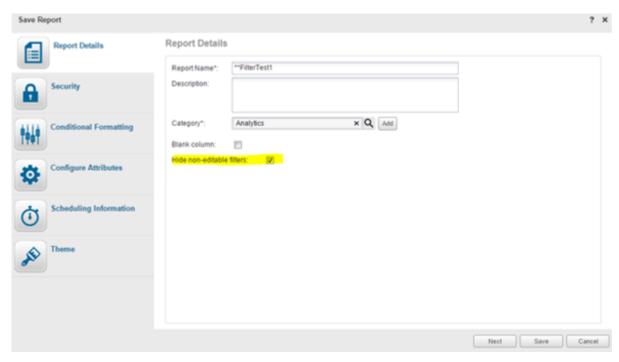


Figure 49: Hide non-editable report filters

If you check the **Hide non-editable filters**, all the non-editable report filters will be hidden in the PDF, Excel and CSV file.

Note: Even the secondary non-editable filters will be hidden.

Use case

Previously, during the execution of the report, all filters that were added in the report were presented to the person executing the report. Some of these filters were having preset values and were not editable for the person executing the report. This enhancement thus provides the ability to hide such filters from the person executing the report.

Control the visibility of extended custom fields

How did it work?

It was not possible to control the visibility of extended custom fields.

How does it work now?

This update provides an option to show or hide the corresponding Analytics attributes in the dimension list for extended custom attributes which means that if the extended custom fields are marked to be hidden on the application side, they will also be hidden in Analytics.

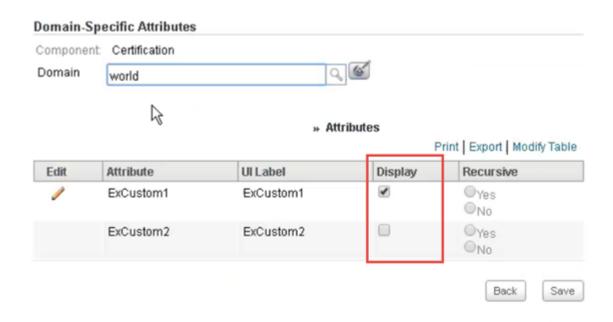


Figure 50: Extended custom fields marked as hidden/display on the application side

You can set this option under **Analytics Settings** > **Configuration**.

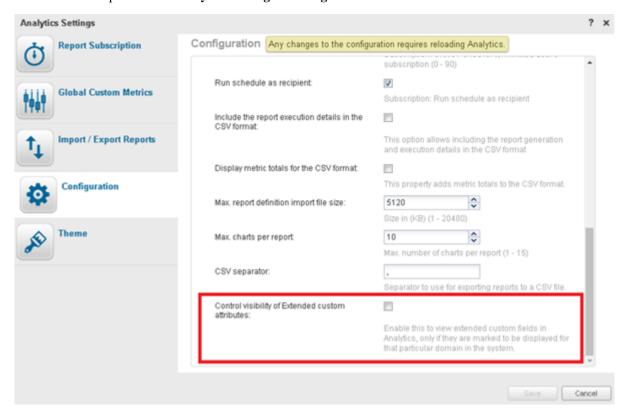


Figure 51: Control the visibility of extended custom fields

Select the **Control visibility of Extended custom attributes** option to view extended custom fields in Analytics, only if they are marked to be displayed for that particular domain in the system.

Note: If this option is unchecked, all the extended custom attributes will be displayed in Analytics, regardless of their visibility in system.

Assumptions:

When the functionality is disabled:

- 1. Create a report having extended attribute (Excustom1).
- **2.** Turn off the visibility of the attribute (Excustom1).
- **3.** Enable the Functionality.

In this scenario, the Excustom1 attribute will be not listed in main attribute group (Attribute Tree View). But the user can still see Excustom1 in report (filter / dimension list).

The user can perform all the operations (Copy/Delete/Schedule/Share/History/Theme/Export/Download) on the same report as before when the functionality was enabled. If the functionality is enabled, then the above operations will not consider attribute domain visibility.

The concept of domain hierarchy is not applicable. This works in the same manner in Analytics as it works in the main application.

When the functionality is enabled, the attributes may take time to load.

As the data is getting cached in Analytics, any change in the extended custom fields on the system side requires clearing cache in Analytics.

Before importing a report (having extended custom fields) on a site, the extended custom fields should be created (with the same name) on that site.

Use case

Based on the UI display controls, customers can now show or hide the corresponding Analytics attributes in the dimension list for extended custom attributes.

Support for currency symbols in reports

How did it work?

The existing attributes did not support displaying currency symbols in the reports.

How does it work now?

This update provides the support for displaying currency symbols in the reports.

Note: To enable the feature, submit a support request. For assistance, contact your Customer Success Manager.

This section lists the attributes that support currency symbols.

Table 81: Attributes Details

Parent Entity Name	Entity Name	Attribute Name	Туре
Learning	Courses	Course Price List Amount	Dimension
Learning	Classes	Class Price List Amount	Dimension
Learning	Classes	Budgeted Total Amount	Dimension

Parent Entity Name	Entity Name	Attribute Name	Туре
Learning	Classes	Budgeted Unit Cost	Dimension
Learning	Classes	Actual Total Amount	Dimension
Learning	Classes	Actual Unit Cost	Dimension
Learning	Orders and OrderItems	Order Total Charges	Dimension
Learning	Orders and OrderItems	Order Item Unit Cost	Dimension
Learning	Orders and OrderItems	Subscription Price	Dimension
Learning	Orders and OrderItems	Subscription Limit in Cost Price	Dimension
Learning	Orders and OrderItems	Subscription Order Item Price	Dimension
Learning	Orders and OrderItems	Training Unit Price	Dimension
Learning	Orders and OrderItems	Order Discount Amount Dimension	
Learning	Orders and OrderItems	Order Item Tax Amount	Dimension
Learning	Resource Assignment	Resource Rate Amount	Dimension
Learning	Resource Assignment	Resource Assignment Re~ Dimension source Rate	
Recruiting	Candidate Details	Candidate Salary requested Dimension	
Recruiting	Job Requisition Details	Job Requisition From Dimension	
Recruiting	Job Requisition Details	Job Requisition To Dimension	
Recruiting	Job Offer	Job Offer Agency Fee	Dimension

Parent Entity Name	Entity Name	Attribute Name	Туре
Recruiting	Job Offer	Job Offer Offered Salary	Dimension
Recruiting	Job Offer	Job Offer Referral Bonus Amount	Dimension

Use case

Currency symbols can now be prefixed to Learning and Recruiting dimensions that represent a price or compensation amount.

Support for derived dimensions

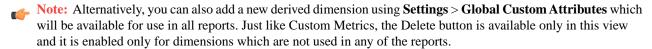
How did it work?

It was not possible to add derived dimensions i.e dimensions based on logical conditions.

How does it work now?

You can now add a new derived dimension and set the logical conditions based on which the value of the dimension will be determined.

To create a new derived dimension, whilst you create a new report click the + icon.



Note: By default, this feature is disabled. To enable the feature, submit a support request. For assistance, contact your Customer Success Manager.

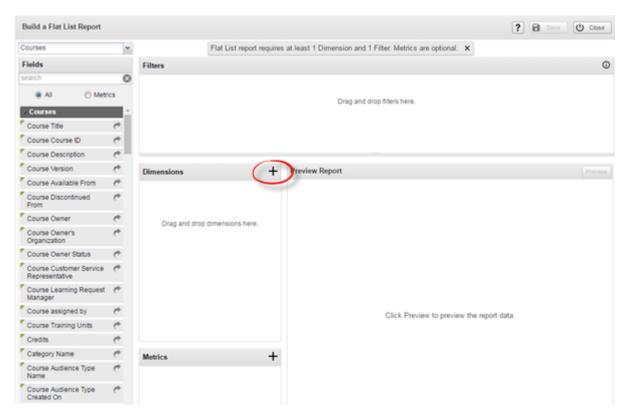
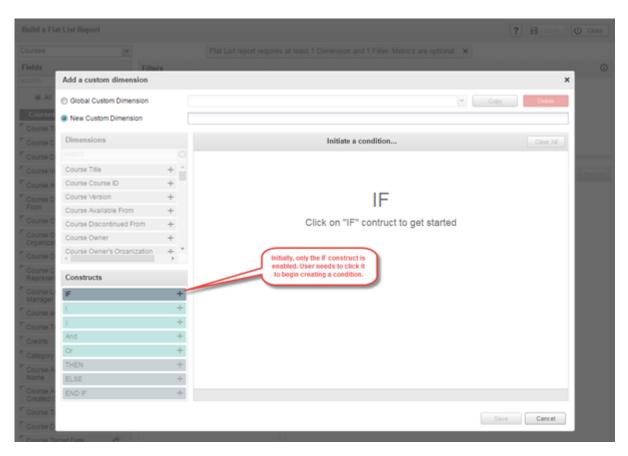


Figure 52: Add a new dimension

This brings up the **Add a custom dimension** window, where you can use the **Constructs** such as IF, THEN, ELSE, ELSE IF, END IF, etc. to build the expression that will be evaluated to derive the value of the dimension.

Initially, only the IF constuct will be enabled. To begin creating the condition, click the IF construct.



Note: In the Dimensions list, only the dimensions available in the selected Entity category and support filtering are shown.

Add the required dimensions along with the appropriate operators to form the IF condition.

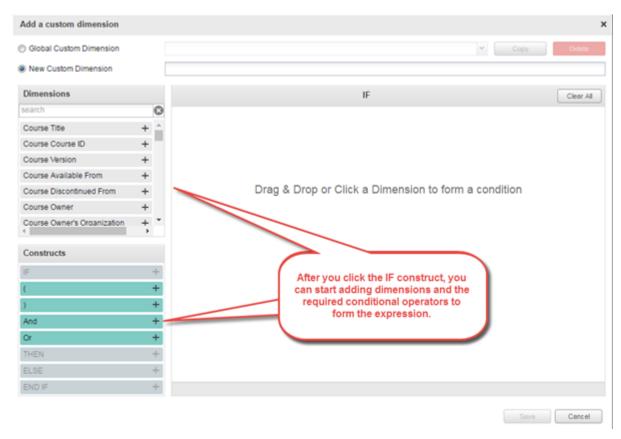
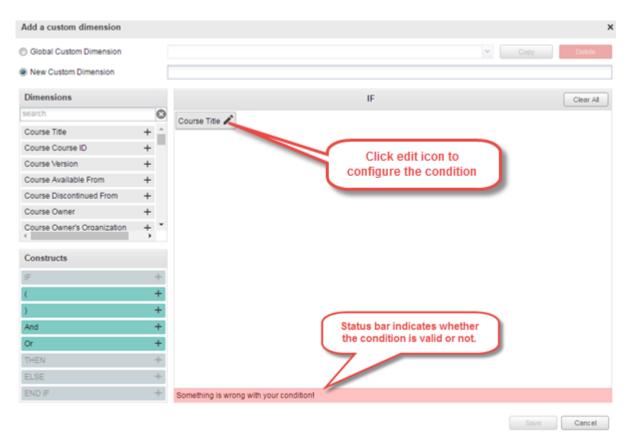


Figure 54: Add dimensions and operators

For every dimension that you add, you need to click the edit icon and set a value for it.

Figure 53: Use the IF construct



A condition is valid only when all the added dimensions have filter condition provided and the entire condition expression can be evaluated programmatically (i.e. balanced brackets and proper combination of dimensions and constructs).

Note: If you've not set the value or if the condition is invalid, the status bar indicates the same. Similarly, the status bar also indicates a valid condition.

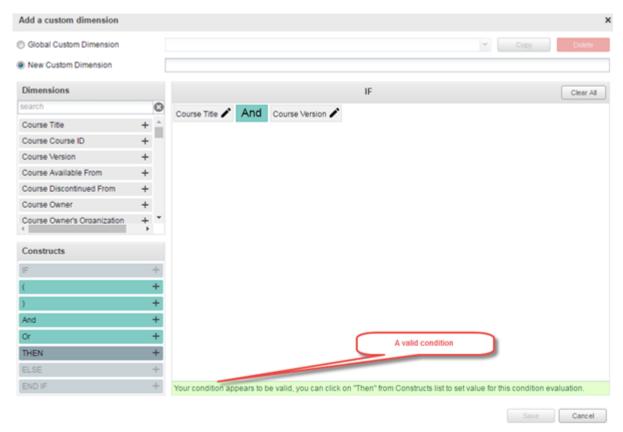


Figure 56: Valid condition

Figure 55: Editing the dimension value

Enter an appropriate value for the dimension that you added.

Note: Editing a condition is similar to editing a report filter.

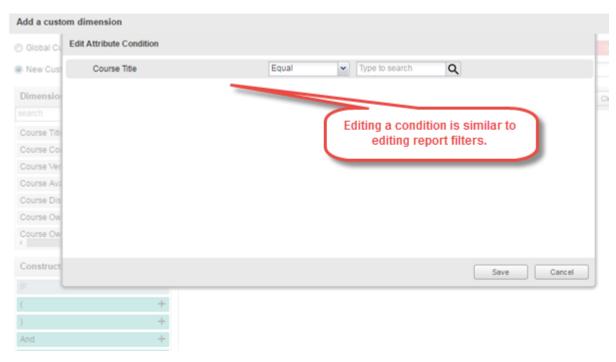


Figure 57: Editing a dimension value

After you add the required dimension and the operators, click the THEN construct. Clicking the THEN construct completes the IF condition and allows you to provide the outcome for a successful condition.

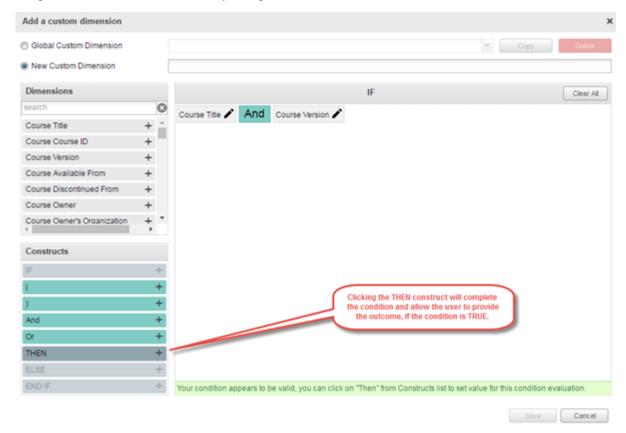


Figure 58: Use the THEN construct

After you click the THEN construct, you can either add a dimension (which will be treated as a value) or enter a plain text value to provide a custom constant string as a value.

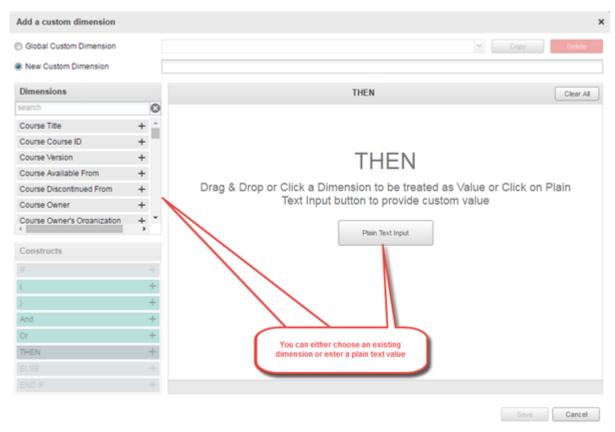


Figure 59: Adding a dimension or text value

After you are done with the THEN construct, click the ELSE contruct to set the outcome for the failed condition or click the END IF condition to complete the expression.

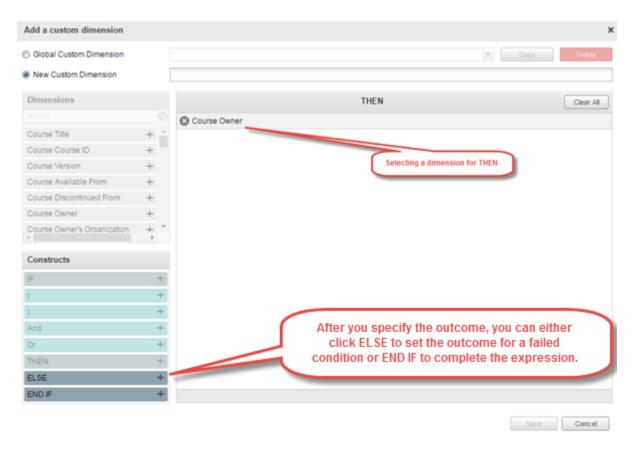


Figure 60: Use the ELSE construct

Note: At any point, if you wish to change it, you can click the delete icon to update value again.

After you click the ELSE construct, add a dimension (which will be treated as a value) or a plain text value. Alternatively, click the IF construct to build one more IF condition (ELSE IF), thus creating IF...ELSE ...IF chain.

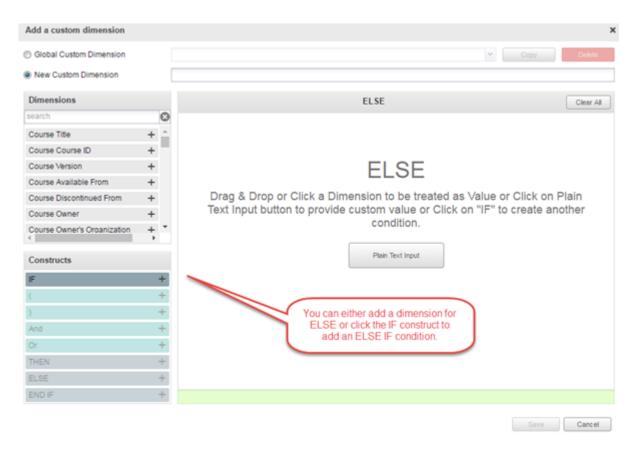


Figure 61: Add a dimension or a new IF condition

Once you are done with building the expression, you click END IF which completes the entire expression. Click **Preview** to take a look at what you've built.

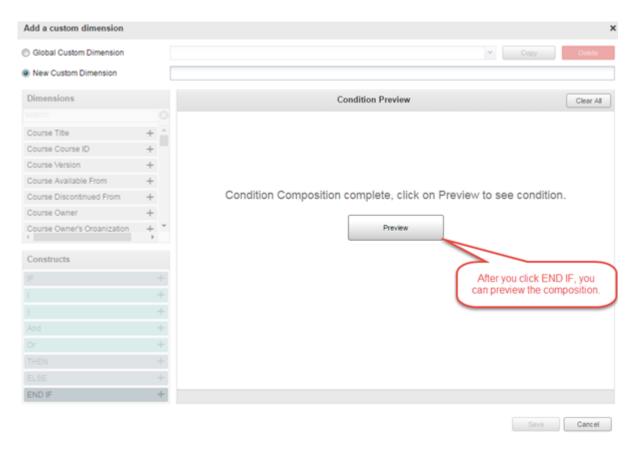


Figure 62: Click Preview

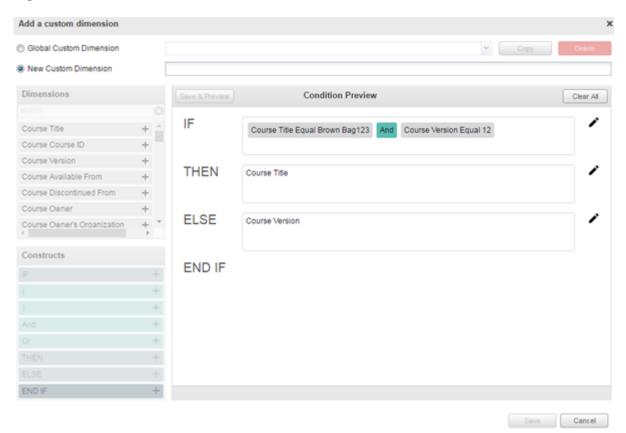


Figure 63: The actual preview

After you've saved the custom dimension, the newly created dimension appears in the list of Dimensions. You can click the edit icon, to edit the custom dimension sections or click **Clear All** to clear entire condition and start all over again.

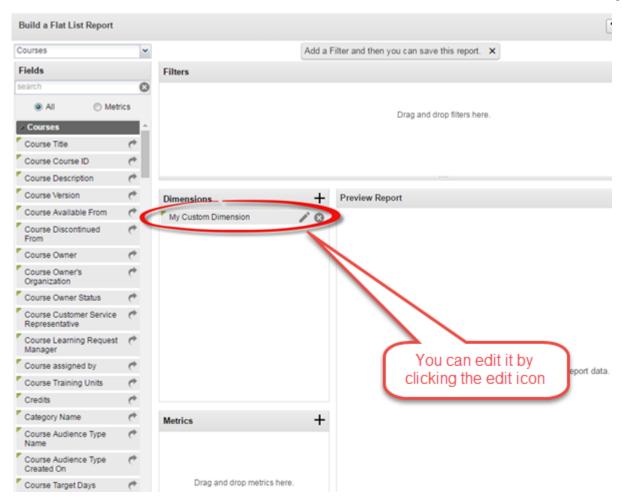


Figure 64: Edit dimension

Use case

This enhancement is useful in cases where the user wants a date value in the output based on the delivery_type.

Example:

ΙF

 $delivery_type = ILT$

THEN

Session End Date

ELSE IF

delivery_type = WBT

THEN Session Start Date

ELSE

Module Completed Date

END IF

Branding support by domain

How did it work?

Branding support by domain was not available.

How does it work now?

The **Configure Domains** button will now be available while configuring themes for individual report / dashboard and updating a report definition.

Note: The Configure Domains button will not be available for the global theme configuration under Settings.

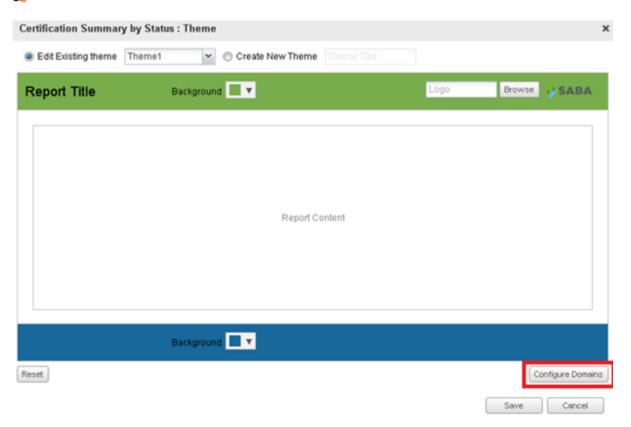
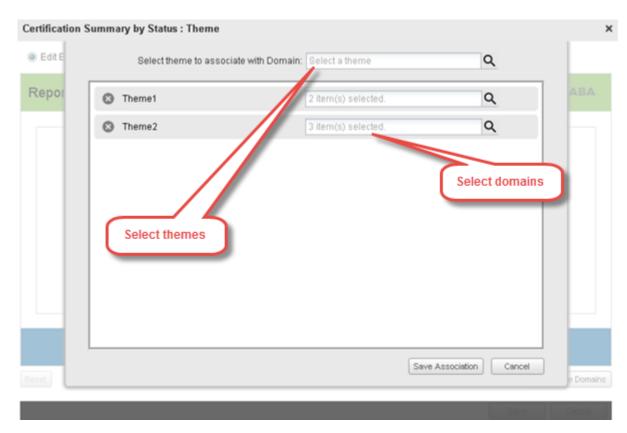


Figure 65: Configuring theme for individual report/dashboard



Click Configure Domain. This brings up a popup window that allows selecting a theme.

Using the dropdown you can select themes to associate with the domain of the report.



For a particular theme you can select a maximum of 10 domains. (The default value is 5 which is configurable under **Analytics Settings**).

For a report you can configure a maximum of 10 themes. (The default value is 5 which is configurable under **Analytics Settings**).

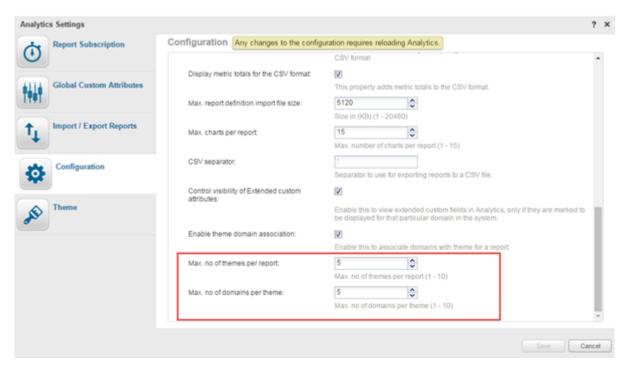


Figure 67: Configure the no. of domains and themes

For a report, while downloading the PDF, if the user security domain matches with any of the theme domain association then that particular theme is applied for that PDF.

Note: If no association is found then the default theme is applied. If the default theme does not exists, then no theme is applied to the PDF. Domain hierarchy is not considered.

Figure 66: Updating report definition

Use case

Customers who use their Saba Cloud instance for their extended enterprise can benefit with a multi-branding possibility and wins for their business with this feature.

Analytics to provide rich text support for extended custom fields

How did it work?

Extended custom fields in Analytics did not support rich text.

How does it work now?

This update enhances the extended custom fields in Analytics to support rich text.

Use case

There is a need to store HTML/rich text in extended custom fields.

New Reports

User Distribution Report

How did it work?

This is a new report.

How does it work now?

This report provides information about the active and inactive users available in the system at the time of execution of this report.



Figure 68: User Distribution Report Example

Report Details

This section provides high-level details of the User Distribution Report report.

Filters

This report uses the following mandatory filters:

1. Person Type

Dimensions

This report uses the following dimensions:

1. Person Type

Metrics

This report uses the following metrics:

- 1. Active User Count
- 2. Inactive User Count
- 3. Head Count

Use case

The Saba Adoption Metrics are now placed under the Adoption category. This report signifies usage and adoption metrics by type and will be available for execution from within the Analytics module.

Login Report

How did it work?

This is a new report.

How does it work now?

This report provides indicates the total number of logins for a particular period along with a count of unique users.

This report needs the following services:

• System

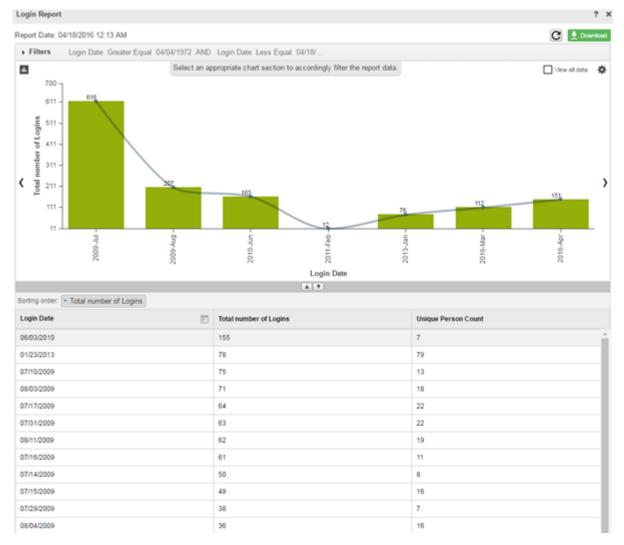


Figure 69: Login Report Example

Report Details

This section provides high-level details of the Login Report.

Filters

This report uses the following mandatory filters:

- 1. Is Terminated
- 2. Login Date within a defined range

Dimensions

This report uses the following dimensions:

1. Login Date

Metrics

This report uses the following metrics:

- 1. Total number of Logins
- 2. Unique Person Count

Use case

The Saba Adoption Metrics are now placed under the Adoption category. This report signifies usage and adoption metrics by type and will be available for execution from within the Analytics module.

Registration Report

How did it work?

This is a new report.

How does it work now?

This report provides the number of registrations for a particular period for both the internal and the external users along with a count of unique users.

This report needs the following services:

Learning

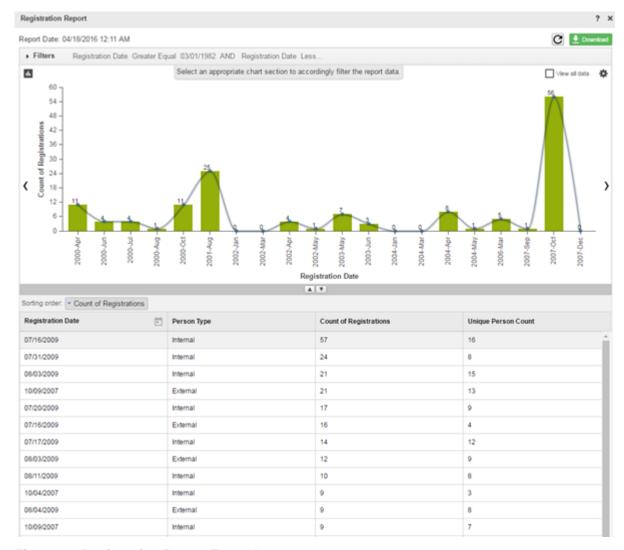


Figure 70: Registration Report Example

Report Details

This section provides high-level details of the Registration Report.

Filters

This report uses the following mandatory filters:

- 1. Is Terminated
- 2. Registration Date within a defined range

Dimensions

This report uses the following dimensions:

- 1. Registration Date (Can be grouped monthly/yearly as required)
- 2. Person Type

Metrics

This report uses the following metrics:

- 1. Count of Registrations
- 2. Unique Person Count

Use case

The Saba Adoption Metrics are now placed under the Adoption category. This report signifies usage and adoption metrics by type and will be available for execution from within the Analytics module.

Transcript Report

How did it work?

This is a new report.

How does it work now?

This report provides the total number of transcripts (completed learning) with the completion date for a particular period along with a count of the unique users.

This report needs the following services:

• Learning

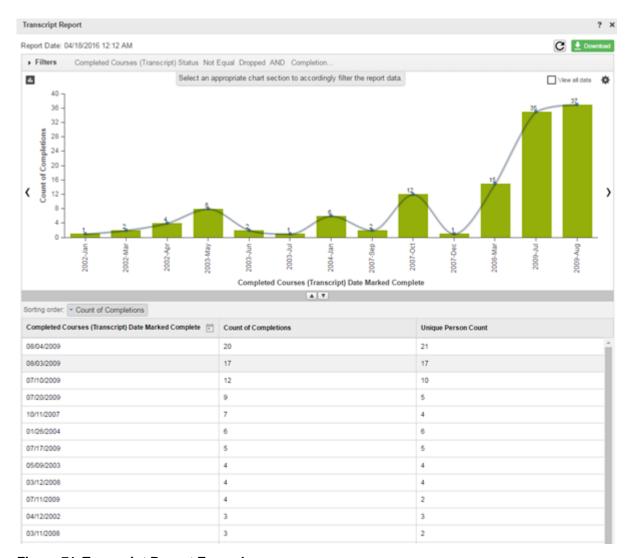


Figure 71: Transcript Report Example

Report Details

This section provides high-level details of the Transcript Report.

Filters

This report uses the following mandatory filters:

- 1. Is Terminated
- 2. Completed Courses (Transcript) Status
- **3.** Completion Status
- 4. Completed Courses (Transcript) Date Marked Complete within a defined range

Dimensions

This report uses the following dimensions:

1. Completed Courses (Transcript) Date Marked Complete (Can be grouped monthly/yearly as required)

Metrics

This report uses the following metrics:

- **1.** Count of Completions
- 2. Unique Person Count

Use case

The Saba Adoption Metrics are now placed under the Adoption category. This report signifies usage and adoption metrics by type and will be available for execution from within the Analytics module.

Updated Reports

Certification Gap Analysis by Role

How did it work?

There was no way to easily identify individual user's information in this report.

How does it work now?

An additional dimension called "Person username" is added to help identify the information easily.

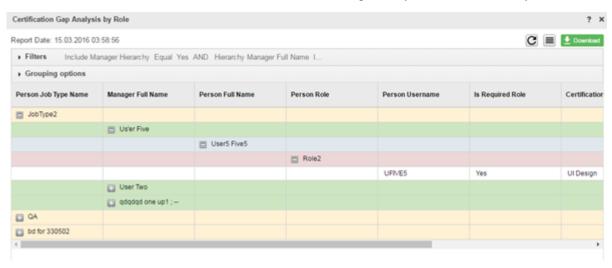


Figure 72: Certification Gap Analysis by Role Report example

Report Details

This section provides high-level details of the Certification Gap Analysis by Role Report.

Filters

This report uses the following mandatory filters:

- 1. Include Manager Hierarchy (Default value: Yes)
- 2. Manager Hierarchy Full Name
- **3.** Is Terminated (Default value: No)

Dimensions

This report uses the following dimensions:

- 1. Person Job Type Name
- 2. Manager Full Name
- 3. Person Full Name

- 4. Person Role
- 5. Person Username
- 6. Is Required Role
- 7. Certification Name
- 8. Student Certification Status
- 9. Certification Completion Percentage

Use case

In most cases, users will have more than 100 individual line items in their profile making it difficult to identify for which user the record is linked to. This enhancement helps identifying the information easily.

Attendance and Result Summary by Class

How did it work?

The Attendance and Result Summary by Class only had one mandatory filter.

How does it work now?

This report now has some additional optional filters:

- 1. Registration Date (Range)
- 2. Scheduled Class Location
- 3. Person Organization Name

Use case

This enhancement helps specifying the scope of the search for course completion.

New Attributes

Learning

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Learning reports model in the Saba application.

Table 82: Learning Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Resource Assignments	Instructor Type	Dimen~		Type of Instructor e.g. Internal or External

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Resource Assignments	Instructor Organization Type	Dimen~		Type Of Instructor's Organization e.g. Internal or External
Assessment Results	Assessment Content Format	Dimen~		Content Format for Assessment Content
Learner Certification Details	Previous Learner Certifica~ tion Status	Dimen~		Status of Learner Certification pri~ or to current status
Learner Certification Details	Previous Learner Certifica~ tion Status Updated by	Dimen~		Latest Learner Certification Status Updated By
Learner Certification Details	Previous Learner Certifica~ tion Status Updated On	Dimen~		Date on which last learner certific~ ation status was updated
Learner Curricula Details	Previous Learner Curricula Status	Dimen~		Status of Learner Curricula prior to current status
Learner Curricula Details	Previous Learner Curricula Status Updated by	Dimen~		Latest Learner Curricula Status Updated By
Learner Curricula Details	Previous Learner Curricula Status Updated On	Dimen~		Date on which last learner cur~ricula status was updated
Resource Assignments	Appointment Duration (Minutes)	Dimen~		Duration of Resource Appointment in Minutes
Resource Assignments	Appointment Duration (Minutes)	Metric		Total Duration of Resource Ap~ pointments in Minutes
Module Details	Content Last Attempt Date~ Time	Dimen~		Date and Time of Last attempt on Content
Orders and OrderItems	Order Contact Email	Dimen~		Email of Person added as Order Contact
Module Details	Content Last Attempt Num~ ber	Dimen~		Last Attempt Number for content

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Certification Programs	Certification Program Name	Dimen~		Name of Certification Program
Certification Programs	Certification Program Available From	Dimen~		Date from which Certification Program will be available
Certification Programs	Certification Program Dis~ continued From	Dimen~		Date from which certification pro- gram will be discontinued
Certification Programs	Certification Program Lan~ guage	Dimen~		Language for Certification Pro~
Certification Programs	Certification Program Class ID	Dimen~		ID of the Class selected in Certific~ation Program
Certification Programs	Certification Program Class Name	Dimen~		Name of the Class selected in Cer~tification Program
Certification Programs	Certification Program Class Start Date	Dimen~		Start Date of the scheduled Class selected in Certification Program
Certification Programs	Certification Program Class End Date	Dimen~		End Date of the Scheduled Class selected in Certification Program
Certification Programs	Certification Program Class Available From	Dimen~ sion		Date of availability for the Selfpaced Class selected in Certi~ fication Program
Certification Programs	Certification Program Class Discontinued From	Dimen~ sion		Date of discontinuation for the Selfpaced Class selected in Certi~fication Program
Certification Programs	Certification Program Class Delivery Name	Dimen~		Delivery Name of the Class selec~ ted in Certification Program
Certification Programs	Certification Program Class Max Seats	Dimen~		Maximum seats available for the scheduled class selected in Certific~ ation Program

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Certification Programs	Certification Program Class Waitlist Seats	Dimen~		Maximum seats Waitlisted for the scheduled class selected in Certific~ ation Program
Certification Programs	Certification Program Course ID	Dimen~		ID of the Course Present in the Certification Path used for Certification Program
Certification Programs	Certification Program Class Is Mandatory	Dimen~ sion		Shows Yes if the Class is Mandat~ ory and No if the class is Sugges~ ted
Certification Programs	Certification Program Class Created On	Dimen~		Date on which class added to Cer~tification Program was created
Certification Programs	Certification Program Class Updated On	Dimen~ sion		Date on which class added to Cer~tification Program was last modi~fied
Curricula Programs	Curricula Program Name	Dimen~		Name of Curricula Program
Curricula Programs	Curricula Program Available From	Dimen~		Date from which Curricula Pro~ gram will be available
Curricula Programs	Curricula Program Discontin~ ued From	Dimen~		Date from which Curricula pro~ gram will be discontinued
Curricula Programs	Curricula Program Language	Dimen~		Language for Curricula Program
Curricula Programs	Curricula Program Class ID	Dimen~		ID of the Class selected in Cur~ricula Program
Curricula Programs	Curricula Program Class Name	Dimen~		Name of the Class selected in Cur~ricula Program
Curricula Programs	Curricula Program Class Start Date	Dimen~		Start Date of the scheduled Class selected in Curricula Program

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Curricula Programs	Curricula Program Class End Date	Dimen~		End Date of the Scheduled Class selected in Curricula Program
Curricula Programs	Curricula Program Class Available From	Dimen~		Date of availability for the Selfpaced Class selected in Cur~ ricula Program
Curricula Programs	Curricula Program Class Discontinued From	Dimen~ sion		Date of discontinuation for the Selfpaced Class selected in Cur~ ricula Program
Curricula Programs	Curricula Program Class Delivery Name	Dimen~		Delivery Name of the Class selec~ ted in Curricula Program
Curricula Programs	Curricula Program Class Max Seats	Dimen~ sion		Maximum seats available for the scheduled class selected in Cur~ricula Program
Curricula Programs	Curricula Program Class Waitlist Seats	Dimen~ sion		Maximum seats Waitlisted for the scheduled class selected in Cur~ricula Program
Curricula Programs	Curricula Program Course ID	Dimen~ sion		ID of the Course Present in the Curricula Path used for Curricula Program
Curricula Programs	Curricula Program Class Is Mandatory	Dimen~ sion		Shows Yes if the Class is Mandat~ ory and No if the class is Sugges~ ted
Curricula Programs	Curricula Program Class Created On	Dimen~		Date on which class added to Cur~ricula Program was created
Curricula Programs	Curricula Program Class Updated On	Dimen~		Date on which class added to Cur~ricula Program was last modified
Registration	Attendance Session Start Date Time	Dimen~		Start Date and Time of Attendance Session

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Registration	Attendance Session End Date Time	Dimen~		End Date and Time of Attendance Session
Orders and OrderItems	Order Ship To Address1	Dimen~		Address1 of Order Shipping Ad~ dress
Orders and OrderItems	Order Ship To Address2	Dimen~		Address2 of Order Shipping Ad~ dress
Orders and OrderItems	Order Ship To City	Dimen~		Order Shipping Address City
Orders and OrderItems	Order Ship To State	Dimen~		Order Shipping Address State
Orders and OrderItems	Order Ship To Country	Dimen~		Order Shipping Address Country
Orders and OrderItems	Order Ship To Zip / Pin	Dimen~		Order Shipping Address ZIP / PIN
Assessment Question Details	Assessment Topic Name	Dimen~		Name of the Assessment Topic
Assessment Question Details	Assessment Topic Passing Required	Dimen~		Shows Yes if the passing is re~ quired for the topic
Assessment Question Details	Assessment Topic Passing Score	Dimen~		Minimum score required to com~ plete Assessment
Assessment Question Details	Assessment Topic Question Count	Metric		
Assessment Question Details	Assessment Test Question Count	Metric		
Curricula Details	Curricula Added to Role Description	Dimen~		Description of Role to which Cur~riculum was added

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Curricula Details	Curricula Learning Item Is Approval Required	Dimen~ sion		Shows Yes if the Approval Policy on Course in Curricula is set to Approval Required for Registration else shows No
Courses	Show Recurring Course History	Filter		This is to be used as a filter only. If not pulled in report or set to 'No', then the report will not show the history data for the recurring courses. When set to 'Yes', the re~port shows the history data for the recurring course.
Courses	Course Owner Username	Dimen~		Username of the Course Owner
Courses	Is Re-Acquisition Required	Dimen~		Shows Yes if the Completed Recurring Course requires Re-acquisition
Courses	Course Assigned By (All Sources)	Dimen~		Course Assigned By (All Sources)
Courses	Course Assigned By (All Sources) Source Type	Dimen~		Course Assigned By (All Sources) Source Type
Courses	Course Audience Type Cus~tom0	Dimen~		Custom0 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom1	Dimen~		Custom1 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom2	Dimen~		Custom2 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom3	Dimen~ sion		Custom3 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom4	Dimen~		Custom4 field of Audience Type Associated with Course

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Courses	Course Audience Type Cus~tom5	Dimen~		Custom5 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom6	Dimen~		Custom6 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom7	Dimen~		Custom7 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom8	Dimen~		Custom8 field of Audience Type Associated with Course
Courses	Course Audience Type Cus~tom9	Dimen~		Custom9 field of Audience Type Associated with Course
Courses	Course Price List Amount	Dimen~ sion		Course Price Amount added to Course Price List for given cur~ rency
Courses	Course Price List Audience Type	Dimen~		Audience Type for Course Price List
Courses	Course Price List Available From	Dimen~		Date from which the Price List at~tached to Course is available
Courses	Course Price List Currency	Dimen~		Currency for which Course Price was added to Course Price List
Courses	Course Price List Discontin~ ued From	Dimen~		Date from which the price list at~ tached to course will be discontin~ ued
Courses	Course Price List Name	Dimen~		Name of Price list attached to Course
Classes Catalog	Class Owner Domain	Dimen~		Domain of Class Owner for Classes Catalog

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Content Details	Content Owner Domain	Dimen~		Domain of Content Owner
Content Details Catalog	Content Owner Domain	Dimen~		Domain of Content Owner for Content Details Catalog
Certification Details	Is Role Required for Job	Dimen~		Is Role Required for Job
Certification Details	Certification Added To Role Description	Dimen~		Description of Role to which certi~ fication was added
Certification Details	Certification Learning Item Is Approval Required	Dimen~ sion		Shows Yes if the Approval Policy on Course in Certification is set to Approval Required for Registration else shows No
Certification Details	Is Recertification Path	Dimen~		Shows Yes if the current path is marked as recertification path
Classes	Class Notes Category	Dimen~		Category of Notes added to Class
Classes	Class Price List Amount	Dimen~		Class Price Amount added to Class Price List for given currency
Classes	Class Price List Audience Type	Dimen~		Audience Type for Class Price List
Classes	Class Price List Available From	Dimen~		Date from which the Price List at~tached to Class is available
Classes	Class Price List Currency	Dimen~		Currency for which Class Price was added to Class Price List
Classes	Class Price List Discontin~ ued From	Dimen~ sion		Date from which the price list at~ tached to Class will be discontin~ ued

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Classes	Class Price List Name	Dimen~		Name of Price list attached to Class
Classes	Is Class Price Inherited from Course	Dimen~ sion		Shows Yes if the Price defined in Class is inherited from Course else shows No
Classes	Is Overridden Price	Dimen~		Shows Yes if class price is overrid~den from course price
Classes	Class Owner Domain	Dimen~		Domain of Class Owner
Classes	Class Notes Added On	Dimen~		Date on which Notes were added to the Class
Classes	Class Notes Added By	Dimen~		Full name of the person who added notes to class
Learner Certification Details	Certification Learning Item Registration Date	Dimen~		Date on which the Course was re~ gisterd for given Certification
Learner Curricula Details	Curricula Learning Item Re~ gistration Date	Dimen~		Date on which the Course was re~ gisterd for given Curricula
Learning Request	Learning Request Notes Category	Dimen~		Category of Notes Added to Learning Request
Learning Request	Learning Request Notes Created By	Dimen~		Username of the person who added note to Learning Request
Learning Request	Learning Request Notes Created On	Dimen~		Date on which note was added to learning request
Transcript	Is Latest Course Completion	Dimen~ sion		This is to be used as a filter. A person can have more than one transcripts for the same course. This filter is to added to the report and when it is set to Yes, the report shows only the latest completions.

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
				Similarly, it can be used to elimin~ ate the latest completion or just used as a dimension to identify the latest completion. When this filter is set to Yes, only the complete transcripts will be reported, the In progress ones will not be reported.
				Note: 'Is Latest Course Completion' filter can be used to identify latest comple~ tion for recurring course. Re~ port output will be governed by above both filter logic combined together.
				Note: Any incomplete tran- script which has completion date as NULL will be ig- nored. Latest completion will show only the completed transcripts.
Orders and OrderItems	Payment Amount Currency	Dimen~		Currency Name for Payment Amount
Orders and OrderItems	Subscription Order Item Currency	Dimen~		Currency Name for Subscription Order Item
Orders and OrderItems	Order Discount Currency	Dimen~		Currency Name for Order Discount
Orders and OrderItems	Order Item Notes Category	Dimen~		Category of Notes added to Order Item
Orders and OrderItems	Order Notes Category	Dimen~		Category of Notes added to Order
Orders and OrderItems	Order Notes Added On	Dimen~		Date on which Notes were added to the Order
Orders and OrderItems	Order Notes Added By	Dimen~		Full name of the person who added notes to order

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Orders and OrderItems	Order Item Notes Added On	Dimen~		Date on which Notes were added to the orderitem
Orders and OrderItems	Order Item Notes Added By	Dimen~		Full name of the person who added notes to orderitem
Registration	Instructor Notes Added By	Dimen~		Username of the person who added notes to registration
Registration	Instructor Notes Added On	Dimen~		Date on which note was added to registration
Registration	Instructor Notes Category	Dimen~		Category of Notes added by In~ structor to Registration
Resource Assignment	Appointment Notes Added By	Dimen~		Username of the person who added note to Appoinment
Resource Assignment	Appointment Notes Added On	Dimen~		Date on which Notes were added to Appointment
Transcript	Transcript Notes Category	Dimen~		Category of Notes added to Tran~script

Previously, only one source of assignment was shown in the "Course Assigned By" dimension. With this enhancement, it is possible to list the multiple sources for the same course assigned to the learner. For customers with regulatory audits, this will fulfill a major reporting requirement.

Analytics

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Analytics reports model in the Saba application.

Table 83: Analytics Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Reports	Report Updated On	Dimen~		Date on which Report definition was last updated
Reports	Subscription Created On	Dimen~		Date on which Report Subscription was created
Reports	Subscription Updated On	Dimen~		Date on which Report Subscription was last updated

N/A

Performance

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Performance reports model in the Saba application.

Table 84: Performance Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Goals	Is Archived Goal	Dimen~		Shows Yes if the Goal has been Archived and No if its not.
Review Details	Review Owner Person Number	Dimen~		Person Number for Review Owner
Review Cycle Audit Details	Review Cycle Audit Com~ ponent	Dimen~		Component name linked to Review Cycle Audit Trails
Review Cycle Audit Details	Review Cycle Audit Descrip~ tion	Dimen~		Audit Action Description for Re~view Cycle

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Review Cycle Audit Details	Review Cycle Audit Attrib~ ute	Dimen~		Review Cycle Attribute name for which data was audited
Review Cycle Audit Details	Review Cycle Audit Old Value	Dimen~		Old value of Review Cycle Attrib~ute
Review Cycle Audit Details	Review Cycle Audit New Value	Dimen~		New Value of Review Cycle Attrib~ute
Review Cycle Audit Details	Review Cycle Audit Created By (Fullname)	Dimen~		Full name of user who modified the Review Cycle Attribute Value
Review Cycle Audit Details	Review Cycle Audit Created By (Username)	Dimen~ sion		Username of the user who modi~ fied the Review Cycle Attribute Value
Review Cycle Audit Details	Review Cycle Audit Created On	Dimen~		Date on which Review Cycle At- tribute value was modified
Review Cycle Audit Details	Review Cycle Audit Reason	Dimen~		Reason for which Review Cycle Audit data was added
Review Cycle Audit Details	Review Cycle Audit Proxy Full Name	Dimen~		Full name of the Proxy User who added Audit data for Review Cycle
Review Cycle Audit Details	Review Cycle Audit Proxy Username	Dimen~		Username of the Proxy User who added Audit data for Review Cycle
Review Cycle Audit Details	Review Cycle Audited On (MM/DD/YYYY HH:MI:SS)	Dimen~ sion		Date and Time of the Audit cre~ ation for Review Cycle
Review Audit Details	Review Audit Component	Dimen~		Component name linked to Review Audit Trails
Review Audit Details	Review Audit Description	Dimen~		Audit Action Description for Re~view

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Review Audit Details	Review Audit Attribute	Dimen~		Review Attribute name for which data was audited
Review Audit Details	Review Audit Old Value	Dimen~		Old value of Review Attribute
Review Audit Details	Review Audit New Value	Dimen~		New Value of Review Attribute
Review Audit Details	Review Audit Created By (Fullname)	Dimen~		Full name of user who modified the Review Attribute Value
Review Audit Details	Review Audit Created By (Username)	Dimen~		Username of the user who modi~ fied the Review Attribute Value
Review Audit Details	Review Audit Created On	Dimen~		Date on which Review Attribute value was modified
Review Audit Details	Review Audit Reason	Dimen~		Reason for which Review Audit data was added
Review Audit Details	Review Audit Proxy Full Name	Dimen~		Full name of the Proxy User who added Audit data for Review
Review Audit Details	Review Audit Proxy User~name	Dimen~		Username of the Proxy User who added Audit data for Review
Review Audit Details	Review Audited On (MM/DD/YYYY HH:MI:SS)	Dimen~ sion		Date and Time of the Audit cre~ ation for Review

Enables the performance admin to track all changes to Overall Rating score within a Cycle. It will help understand who changed the rating and why.

System

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the System reports model in the Saba application.

Table 85: System Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Prescription Rule	Prescriptive Rule Updated On	Dimen~		Date on which Prescription Rule was last updated
Prescription Rule	Prescriptive Rule Updated On	Dimen~		Date on which Prescription Rule was last updated
Prescription Rule	Prescriptive Rule Custom0	Dimen~		Custom0 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom1	Dimen~		Custom1 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom2	Dimen~		Custom2 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom3	Dimen~		Custom3 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom4	Dimen~		Custom4 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom5	Dimen~		Custom5 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom6	Dimen~		Custom6 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom7	Dimen~		Custom7 field of Prescriptive Rule
Prescription Rule	Prescriptive Rule Custom8	Dimen~		Custom8 field of Prescriptive Rule

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Prescription Rule	Prescriptive Rule Custom9	Dimen~		Custom9 field of Prescriptive Rule

N/A

Social

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Social reports model in the Saba application.

Table 86: Social Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Groups	Group Folder Name	Dimen~		Group Folder Name
Groups	Group Folder Description	Dimen~		Group Folder Description
Groups	Group Parent Folder Name	Dimen~		Group Parent Folder Name
Groups	Is Featured Folder	Dimen~		Is Featured Folder
Groups	Group Folder Owner	Dimen~		Group Folder Owner
Groups	Group Folder Created On	Dimen~		Group Folder Created On
Groups	Group Folder Updated On	Dimen~		Group Folder Updated On

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Groups	Group Folder Resource Type	Dimen~		Group Folder Resource Type
Groups	Group Folder Resource Title	Dimen~		Group Folder Resource Title
Groups	Group Folder Resource Owner	Dimen~		Group Folder Resource Owner
Groups	Group Folder Resource Cre~ated On	Dimen~		Group Folder Resource Created On
Groups	Group Folder Resource Up~dated On	Dimen~		Group Folder Resource Updated On
Groups	Group Folder Resource Count	Metric		Group Folder Resource Count

N/A

Saba Pulse

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Saba Pulse reports model in the Saba application.



Note: The information for the Job Name, Country, Organization Name and Location Name attributes are recorded at the time when the sentiments feedback is recorded. These attributes do not show the current data as seen on the person profile.

Table 87: Saba Pulse Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Saba Pulse Details	Saba Pulse Category	Dimen~ sion	Available	Saba Pulse Category

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Saba Pulse Details	Location Number	Dimen~	Available	Location Number
Saba Pulse Details	Location Name	Dimen~	Available	Location Name
Saba Pulse Details	Organization Number	Dimen~	Available	Organization Number
Saba Pulse Details	Organization Name	Dimen~	Available	Organization Name
Saba Pulse Details	Manager Person Number	Dimen~	Available	Manager Person Number
Saba Pulse Details	Manager Username	Dimen~	Available	Manager Username
Saba Pulse Details	Manager Full Name	Dimen~	Available	Manager Full Name
Saba Pulse Details	Job Name	Dimen~	Available	Job Name
Saba Pulse Details	Country	Dimen~	Available	Country
Saba Pulse Details	Created On	Dimen~	Available	Created On
Saba Pulse Details	Updated On	Dimen~	Available	Updated On
Saba Pulse Details	Percentage of people respon~ded Happy	Metric	Available	Average Percentage of people re~sponded Happy
Saba Pulse Details	Percentage of people respon- ded Sad	Metric	Available	AveragePercentage of people re~ sponded Sad

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Saba Pulse Details	Percentage of people respon~ ded Neutral	Metric	Available	AveragePercentage of people re~ sponded Neutral
Saba Pulse Details	Saba Pulse Score	Metric	Available	Average Saba Pulse Score

N/A

Profile

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Profile reports model in the Saba application.

Table 88: Profile Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Person Details	Person Audience Type Cus~tom0	Dimen~ sion		Custom0 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom1	Dimen~		Custom1 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom2	Dimen~		Custom2 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom3	Dimen~		Custom3 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom4	Dimen~		Custom4 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom5	Dimen~		Custom5 field of Audience Type Associated with Person

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Person Details	Person Audience Type Cus~tom6	Dimen~		Custom6 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom7	Dimen~		Custom7 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom8	Dimen~		Custom8 field of Audience Type Associated with Person
Person Details	Person Audience Type Cus~tom9	Dimen~		Custom9 field of Audience Type Associated with Person
Person Details	Active User Count	Metric	Available	Count of active users
Person Details	Inactive User Count	Metric	Available	Count of inactive users

The Saba Adoption Metrics are now placed under the Adoption category.

Recruiting

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the Recruiting reports model in the Saba application.

Table 89: Recruiting Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Candidate Details	Candidate Type	Dimen~		Type of Candidate e.g. Internal or External
Job Requisition Details	Job Requisition URL	Dimen~		URL for Job Requisition

Use case

This enhancement solves multiple uses cases where the candidates can be redirected to the job requisition on company's career site from other job boards / web pages / job exchanges (government) and any other media.

To Do List

How did it work?

These are new attributes.

How does it work now?

This section describes the attributes that have been added under the To Do List reports model in the Saba application.

Table 90: To Do List Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description

Use case

N/A

Updated Attributes

Learning

How did it work?

The following attributes have been updated:

· Is Mandatory Question

How does it work now?

This section describes the attributes that have been updated under the Learning reports model in the Saba application.

Table 91: Learning Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Assessment Question Details	Is Mandatory Question	Dimen~		Returns Yes if the question marked as mandatory else No

Use case

N/A

Profile

How did it work?

The following attributes have been updated:

- Potential Positions Potential Job
- Potential Positions Readiness

How does it work now?

This section describes the attributes that have been updated under the Profile reports model in the Saba application.

Table 92: Profile Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Potential Jobs	Potential Job Readiness	Dimen~	Available	Potential Job Readiness
Potential Jobs	Potential Job Potential Job	Dimen~	Available	Potential Job

The following attributes are no longer available for reporting:

• Pay Range Midpoint

Note: The existing reports using this attribute are also updated to remove it from the report design.

Use case

N/A

Talent

How did it work?

The following attributes have been updated.

Table 93: Talent Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Career Path	Current Position	Dimen~	Available	Application number of the candid~ ate

How does it work now?

This section describes the attributes that have been updated under the Talent reports model in the Saba application.

Table 94: Talent Details

Entity Name	Attribute Name	Attribute Type	Dashboard	Description
Career Path	Current Job	Dimen~	Available	Application number of the candid~ ate

Use case

N/A

Additional attributes to support dropdown (LOV)

How did it work?

N/A

How does it work now?

The following is a list of attributes that now support dropdown (LOV).

Note: The LOV / PICKER column indicates if the attribute supports a dropdown (LOV) or a search (Picker).

Table 95: Attributes Details

Parent Entity Name	Entity Name	Attribute Name	LOV/PICKER
Profile	Person Job Type	Person Job Type Custom0 to Person Job Type Custom9	LOV
Profile	Person Manager	Manager Custom0 to Man~ager Custom9	LOV
Profile	Person Location	Person Location Custom0 to Person Location Custom9	LOV
Learning	Curricula Details	Curriculum Custom0 to Curriculum Custom9	LOV
Learning	Certification Details	Certification Custom0 to Certification Custom9	LOV
Performance	Review Details	Review Custom0 to Review Custom9	LOV

Parent Entity Name	Entity Name	Attribute Name	LOV/PICKER
Performance	Review Cycle Details	Review Cycle Custom0 to Review Cycle Custom9	LOV
Profile	Skills	Skill Custom0 to Skill Cus~tom9	LOV
Performance	Goals	Goals Custom0 to Goals Custom9	LOV
Learning	Courses	Course Custom0 to Course Custom14	LOV
Learning	Courses	Prerequisite Course Custom0 to Prerequisite Course Cus~ tom14	LOV
Learning	Classes	scheduled Class Location Custom0 to scheduled Class Location Custom9	LOV
Learning	Registrations	Registrations Custom0 to Registrations Custom9	LOV
Learning	Orders and OrderItems	Order Custom0 to Order Custom9	LOV
Learning	Orders and OrderItems	Subscription Order Custom0 to Subscription Order Cus~ tom9	LOV
Learning	Orders and OrderItems	Subscription Custom0 to Subscription Custom9	LOV
Learning	Orders and OrderItems	Training Unit Agreement Custom0 to Training Unit Agreement Custom9	LOV
Learning	Orders and OrderItems	Training Unit Custom0 to Training Unit Custom9	LOV

Parent Entity Name	Entity Name	Attribute Name	LOV/PICKER
Learning	Learning Request	Learning Request Custom0 to Learning Requestion Cus~ tom9	LOV
Learning	Courses Catalog	Course Custom0 to Course Custom14	LOV
Learning	Resource Assignment	Instructor Custom0 to In~ structor Custom9	LOV
Learning	Resource Assignment	Instructor Location Custom0 to Instructor Location Cus~tom9	LOV
Learning	Resource Assignment	Room Location Custom0 to Room Location Custom9	LOV
Learning	Resource Assignment	Room Custom0 to Room Custom9	LOV
Learning	Resource Assignment	Instructor Organization Cus~ tom0 to Instructor Organiza~ tion Custom9	LOV
Learning	Content Details	Content Inventory Custom0 to Content Inventory Cus~tom9	LOV
Learning	Content Details Catalog	Content Inventory Custom0 to Content Inventory Cus~tom9	LOV
Recruiting	Candidate Details	Candidate Custom0 to Can~didate Custom9	LOV
Recruiting	Job Requisition Details	Job Requisition Custom0 to Job Requisition Custom9	LOV
Recruiting	Job Offer	Job Offering Custom0 to Job Offer Custom9	LOV

Parent Entity Name	Entity Name	Attribute Name	LOV/PICKER
Learning	Checklist Details	Checklist Custom0 to Checklist Custom9	LOV
System	Prescription Rules	Prescriptive Rule Custom0 to Prescriptive Rule Cus~ tom9	LOV

N/A

Change in the behaviour of the metric Unique Person Count

How did it work?

The metric Unique Person Count was calculated as a SUM.

How does it work now?

The metric Unique Person Count is now calculated as a count to provide a distinct count of People in report.

Note: This metric will not be available for crosstab chart and stack bar charts.

Use case

N/A

Chapter

3

Learning

Topics:

- Assessment
- Learning Activity
- Content
- E-commerce

Assessment

Search enhancements for test and survey assessments

How did it work?

The Question ID for questions was not displayed in search results of questions in Saba assessments. Resultantly, identifying the correct question among questions with same title text was difficult without the Question ID.

How does it work now?

With this update, the search results for questions in various areas of Saba assessments displays the **Question ID** column. Assessment administrators can add or remove the column using the new ability to add or remove columns in search results table.

The following areas of Saba assessments now show the **Question ID** column by default:

- Learning > Manage Assessment > Manage Test & Survey Edit a test/survey in Draft state > Topics & Questions
 > Manage Questions > Actions > Search & Add
- Learning > Manage Assessment > Manage Test & Survey Version a test/survey in Published state > Topics & Questions > Manage Questions > Actions > Search & Add

The **Question ID** column must be manually added to the results table for the following areas:

- Learning > Manage Assessment > Test Question Pool
- Learning > Manage Assessment > Survey Question Pool

To add or remove a column:

- 1. Navigate to any of the above areas where the search results table for questions is displayed.
- 2. Click the dropdown arrow icon besides any column title.
- 3. Click the Columns menu. A list of all available columns names appears.
- 4. Select or clear the checkbox for the required column to show or hide the column respectively.

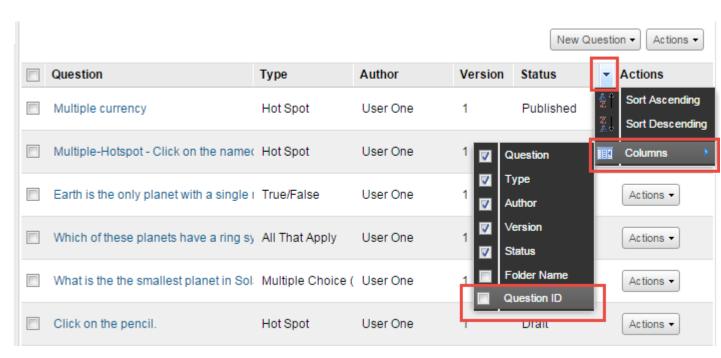


Figure 73: New Question ID column



- This enhancement is available for both, Learning and Recruitment assessments.
- This enhancement is not supported in inline authoring, though.
- If a question does not have a Question ID, then a blank is displayed in the column for that question.

Since there can be multiple questions with the same title text, assessment administrators, who manage thousands of questions, have to heavily rely on the unique Question ID to identify the questions that they need for creating assessments.

Support for multiple questions per page in assessment player

How did it work?

The Saba assessment player did not support the display of multiple questions per page.

How does it work now?

With this update, Saba Cloud allows assessment administrators to configure a test or survey assessment such that the assessment supports the display of multiple questions per page of the Saba assessment player.

Assessment administrators can configure the following new properties for both test or survey assessments:

Multiple Questions Per Page

If set to Yes, then the assessment displays multiple questions per page of the Saba assessment player.

For tests:

- If the question order is set to **Random** or **In-order**, then it displays "n" number of questions per page where "n" is defined by **Questions Per Page** property.
- If the question order is set to **Topic**, then it displays "n" number of questions per page based on each topic. For example, if Topic 1 has 15 questions and Topic 2 has 20 questions and **Questions Per Page** property is set to

10, then it displays 10 Questions of Topic 1 on Page 1, remaining 5 questions of Topic 1 on Page 2, 10 questions of Topic 2 on Page 3, and remaining 10 questions of Topic 2 on Page 4.

For surveys, it displays "n" number of questions per page where "n" is defined by Questions Per Page property.

If set to Yes, then the **Previous** button on the assessment player honors the **Allow Navigation** property value. If the **Allow Navigation** property is set to "true" for the test, then the **Previous** button is displayed on the player, otherwise not.

If set to No, then the assessment displays on one question per page of the Saba assessment player.

By default, this property is set to No.

Questions Per Page

This property is a number field, with a range of 2 to 25. This property is enabled only when the **Multiple Questions Per Page** property is set to Yes.

These properties are available for both tests and survey assessments in Learning and Recruitment areas.



Figure 74: Multiple questions per page property in a Test

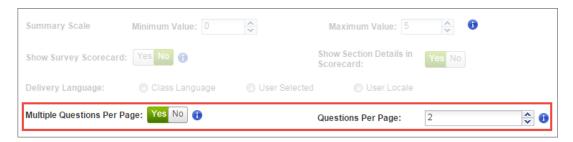


Figure 75: Multiple questions per page property in a Survey

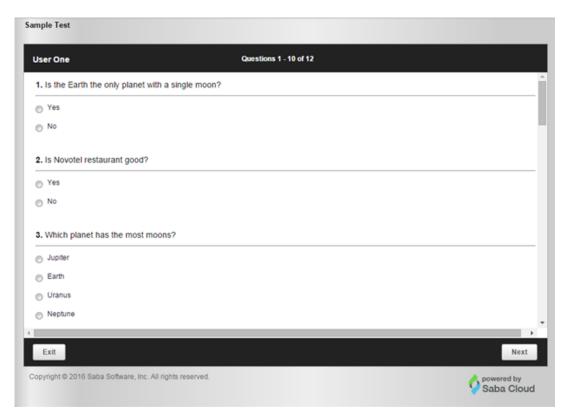


Figure 76: Multiple questions per page in assessment player

Limitations for Tests

- If the **Multiple Questions Per Page** property is enabled for a test assessment, then the following properties are not supported for that assessment:
 - · Time Limit for Per Question
 - · Show Question List
- If the **Multiple Questions Per Page** property is enabled for a test, then any media attachments on questions in the test are not available during the test launch.
- The new properties are not available during inline authoring of tests in both Learning and Recruitment areas.
- The assessment cannot contain Hotspot type questions if these properties are enabled for the assessment. If you have added such question in an assessment and then set this property, then Saba Cloud displays a conflict message prompting you to remove the Hotspot questions.

Use case

Learners need not scroll through multiple pages to answer every question in the assessment. Instead, they need to see multiple question in a single page and save time.

Support to handle abrupt closure of an assessment

How did it work?

Saba Cloud did not support learners to resume a test or survey assessment if it was suspended or closed abruptly.

How does it work now?

With this update, Saba Cloud provides support to resume a test or survey assessment from the last answered question if the assessment was suspended or closed abruptly.

When a learner resumes such a test assessment, then the following message prompt is displayed:

"Your previous attempt of this test had ended abruptly. However, all previously submitted responses and comments were saved. The test will resume from the last answered question of your previous attempt."

When a learner resumes such a survey assessment, then the following message prompt is displayed:

"Your previous attempt of this survey had ended abruptly. However, all previously submitted responses and comments were saved. The survey will resume from the last answered question of your previous attempt."

Limitation

Any data related to time limit and answered question is not saved if the **Next** or **Finish** button is not clicked before the abrupt closure of an assessment.

Use case

A user attempts a test with several number of questions and completes a substantial number out of those questions. However, if the test ends or closes abruptly due to unforseen reasons such as a sudden system shutdown or lost connection, then all the answered data of the user is lost and the user has to start afresh from the first question. Instead, the test needs to resume from the last answered question so that the user's time and efforts are saved.

Hide correct answers while reviewing a test

How did it work?

If the test feedback was enabled, then learners were able to see correct answers while reviewing their test.

How does it work now?

With this update, Saba Cloud allows administrators to configure whether to show or hide correct answers to learners while reviewing their test by introducing the following new test property:

· Hide Answers in Review

Possible values: Yes or No

Default value: No

If this property is set to Yes, then correct answers/choices are not displayed against questions in the Review Mode. When set to Yes, the following statuses of the question are displayed next to the Question Text:

- Correct
- Incorrect
- Partially Correct
- Neutral
 - Skipped
 - Not Evaluated

Note: For Essay type questions with weight greater than zero, it always shows the status as Not Evaluated. If the weight is zero, then the status shown is Neutral.



Figure 77: Hide Answers in Review property

This property is also available in the Playmode Template with the same default values.

Note: This new property is applicable only to test assessments in Learning.

Use case

There is a need to hide the correct answer with the feedback so that students are forced to review a test and learn.

Enhancements to the Manage Test & Survey page

How did it work?

The **Manage Test & Survey** page did not support pagination. Resultantly, all test and survey assessments in a folder were listed on a single page and the page would take time to load when a folder contained a large number of tests and surveys. The Advanced Search option on this page did not provide the option to search by a test ID or a survey ID.

How does it work now?

This update enhances the **Manage Test & Survey** page for assessments by adding pagination support and an improved search capability.

Pagination Support

Now, on clicking a folder in the assessment library, the page displays a list of tests and surveys in a paginated format. By default, the pages displays a minimum of 10 items per page if there are 10 or more items in a folder. Administrators can customize the number of items they want to see in a page by selecting a value from the **Items Per Page** dropdown list.

Additionally, the pagination feature provides the following capabilities:

- Navigation Previous Page, Next Page, First Page and Last Page buttons
- Custom navigation to any page using the Page text field
- Refresh button to refresh the records on the page
- Total records count along with number of records displayed on the current page
- Note: The pagination support is also added to the search (simple or advanced) results displayed on the **Manage**Test & Survey page.

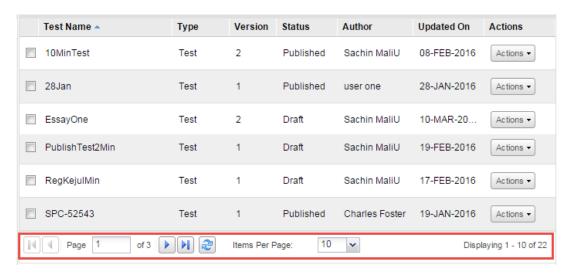


Figure 78: Pagination support for Manage Test & Survey page

New Search Field

This update also adds the following new search field to the **Advanced Search**:

Test or Survey ID

Specify a test ID or a survey ID as the search criteria. Saba Cloud performs an exact match for the specified ID and returns results accordingly. This field supports the use of % as a wild card character.



Figure 79: New Search Field

Use case

There is a need to support pagination on the **Manage Test & Survey** page to enhance usability and avoid delays while loading the page.

Persistent display of source language text for question translation

How did it work?

Saba Cloud did not persistently display the text for the source language for reference during translation on the **Add/Edit Translation** page. It only displayed the source language text for a field as a mouse-over tip and this tip disappeared after the set time interval.

How does it work now?

This update enhances the **Add/Edit Translation** page such that the text for the source language is displayed as a static element below the respective editable fields for reference during translation. The mouse-over tooltip for the source language text is retained as well.

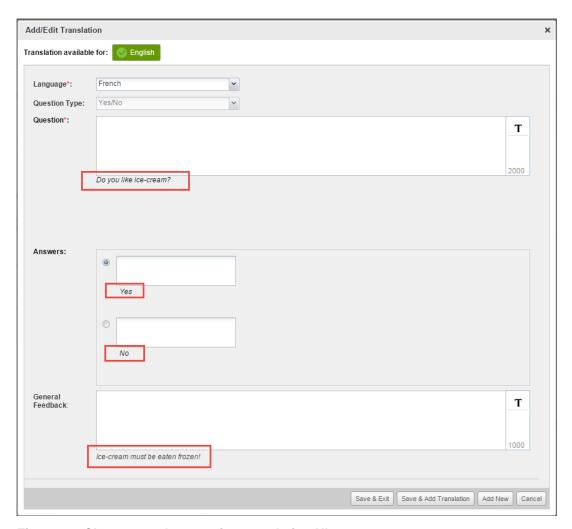


Figure 80: Changes to the question translation UI

It is helpful for administrators to persistently see the text for the source language as a reference during question translation.

Display topic and section headers in assessments

How did it work?

Tests and surveys in Saba assessments did not display topic headers and section headers respectively to learners.

How does it work now?

This update provides assessment administrators the ability to configure the display of topic headers and section headers in tests and surveys respectively.

They can configure the following new properties to show or hide topic/section headers:

Table 96: Show or hide topic/section headers

Assessment Type	Property Name	Description	Default Value
Tests/Playmode Templates	Show Topic Headers	If set to Yes, then Saba Cloud displays the topic name for test questions in the assessment player. If set to No, then no topic name is not displayed.	No
Surveys	Show Section Head~ ers	If set to Yes, then Saba Cloud displays the section name for survey questions in the assessment player. If set to No, then no section name is not displayed.	No



Figure 81: Show Topic Header property



Figure 82: Show Section Header property



Note:

- These properties are available only if the **Advanced Assessments** service is enabled.
- This feature is available in both Learning and Recruiting assessments.
- Headers are displayed even in the Review mode.
- For the default topic/section, the header name is displayed as "Default".

If these properties are enabled, then:

For single question per page, the header is displayed at the top of each question/page in the player, when the question order is either "In-Order" or "Topic Defined".



Figure 83: Single question per page - Topic header

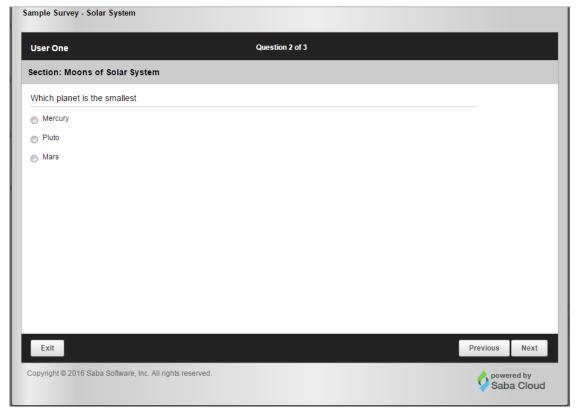


Figure 84: Single question per page - Section header

• For single question per page, the headers are displayed for Questions Lists as well. In Questions List, the questions are grouped on the basis of topic name.

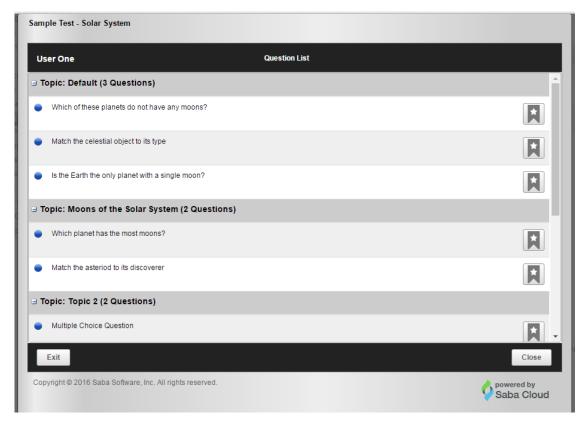


Figure 85: Single question per page - Topic header for Question list - In-Order/Defined order

• For multiple questions per page, when question order is In-Order, the header is displayed at the top of each group of questions on each page in the player.

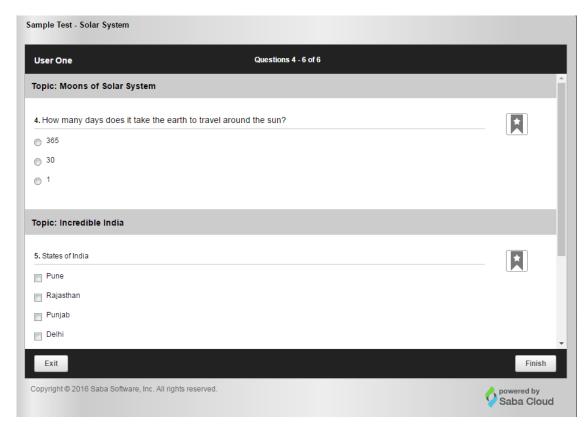


Figure 86: Multiple questions per page - Topic header - In-Order

• For multiple questions per page, when question order is Topic-Defined, the header is displayed at the top of each page in the player.



Figure 87: Multiple questions per page - Topic header - Topic-Defined

Limitation

If the **Show Topic Headers** property is enabled for a test, then the **Question Order** property for that test cannot be set to "Random". If set to "Random", then Saba Clouds displays a conflict error message and does not allow you to save the changes till you resolve the conflict.

Use case

Headers for topics and sections in test and survey assessments respectively help improve usability for learners who use topics/sections to organize their test/survey.

Improved survey scoring

How did it work?

Saba Cloud used the simple average of section scores for calculating the summary score of a survey assessment. And the way the summary score and the section scores for a survey were presented was confusing for users.

How does it work now?

This update enhances the survey scoring mechanism by introducing the survey property **Summary Scoring Mode**, which has the following options:

Weighted Average of Sections - This is the new score calculation method.

If this option is selected, then each survey section gets a weight corresponding to the total question weights of all the scored questions in the section. So as long as each section gets scored, the summary score looks just like it does if the survey only contained one section, and therefore works similar to test scores.

This is the default option.

Formula:

Summary Score (Weighted Average) =

(Sum of all Question Scores / Sum of weight of all Questions) * (Max Summary Scale value - Min Summary Scale value) + Min Summary Scale value

Where:

Section Score = Sum of all Question Scores / Sum of weight of all Questions

• **Simple Average of Sections** - This is the existing score calculation method.

If this option is selected, then the summary score is calculated as a simple average of all section scores in the survey.

Formula:

Summary Score (Simple Average) =

(Sum of all Section Scores / Sum of all Sections) * (Max Summary Scale value - Min Summary Scale value) + Min Summary Scale value

Where:

Section Score = Sum of all Question Scores / Sum of weight of all Questions

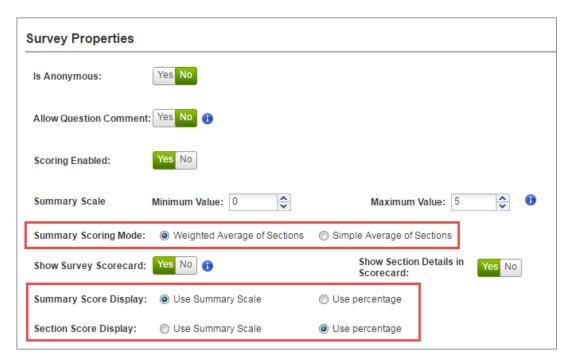


Figure 88: New properties for surveys

To support the new scoring method, this update introduces the following changes to survey properties:

Scoring Enabled

The default value of this property is now set to Yes, instead of No. This change allows users to adjust the Summary Scale that is used to store results.

• Summary Scale - Minimum Value

The default value is now set to 1 instead of 0 (zero). This ensures that the default survey scores are inline with the default Likert scale questions.

• Summary Scale - Maximum Value

The limit for the maximum value is now increased to 100.

Section Score Display

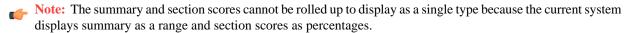
Introduces this new survey property that allows section scores to be displayed either as summary scale or percentage. It provides the following options:

- Use Summary Scale
- Use Percentage

Summary Score Display

Introduces this new survey property that allows the summary score to be displayed either as summary scale or percentage in the scorecard. It provides the following options:

- Use Summary Scale
- Use Percentage



Use case

Training departments in certain organizations use surveys at the end of each quarter. To assess the trainees based on the survey scores, it is important to enhance the summary score calculation and display the summary and section scores in a normalized manner.

Adaptive branching in surveys

How did it work?

Survey assessments in Saba Cloud did not support branching capability. Users had to answer questions in a specified sequence only. Saba Cloud did not provide any option to jump to any particular section based on the response to the attempted question in the survey.

How does it work now?

With this update, survey assessments in Saba Cloud support adaptive branching. *Adaptive branching* is the ability of a survey that allows learners to branch or jump to pre-determined sections in the survey based on the response to an attempted previous question. Currently, surveys in Saba Cloud support only section-level branching.

The following question types are not supported for branching:

- Essay
- Pulldown
- All that apply

To enable branching capability, assessment authors must select the *Yes* option for the **Enable Branching** option in the **Survey Info** tab while defining a survey.

rvey Info	
Title:*	
Description:	
Survey ID:	
Version:	1
Status:	DRAFT
Domain:	world
Author:	user one
Security:	Domain Based Manage
Add Language Support?	○ Yes No 1
Enable Branching	

Figure 89: Enable Branching checkbox

After adding sections and questions to the survey, authors can mark a question as a branched question by clicking the **No** link under **Branched** column. Only one branched question is allowed per section. When clicked, the link changes to **Yes**, indicating that the question is a branched question. Clicking the Yes link changes it back to No, indicating the question is not branched. However, demarking a branched question also removes the associated branching logic defined for that question.



Figure 90: Branched column

When branching is enabled, the survey editor displays an additional tab titled **Branching Logic**. This tab allows authors to define the branching logic for branched questions. Only questions marked as "branched" are displayed in this tab.

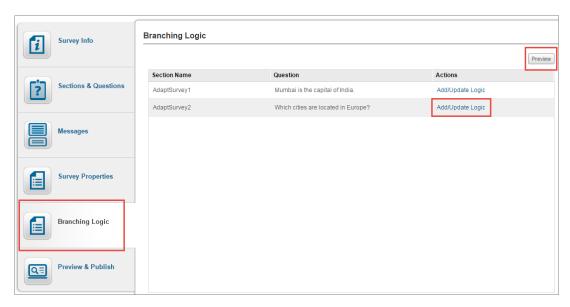


Figure 91: Branching Logic tab

To add or update the branching logic, click the **Add/Update Logic** link for the required question. The **Branching Logic** popup window appears. For a response, select the required choice from the corresponding dropdown list. When a user attempts the survey question and selects the response, the survey branches out to this pre-selected choice. The dropdown list of choices also has the *Exit Survey* option. This option allows users to exit the survey.

Note: The choice list displays branched questions from subsequent sections only.

The branching logic also provides the following special options:

- If not answered This option allows users to branch to a choice even if the question is not answered.
- **Apply to all** This option allows users to branch to the same choice in the survey, irrespective of the response to the question.



Figure 92: Add/Update branching logic

Click the **Preview** button to preview the flow of the survey.

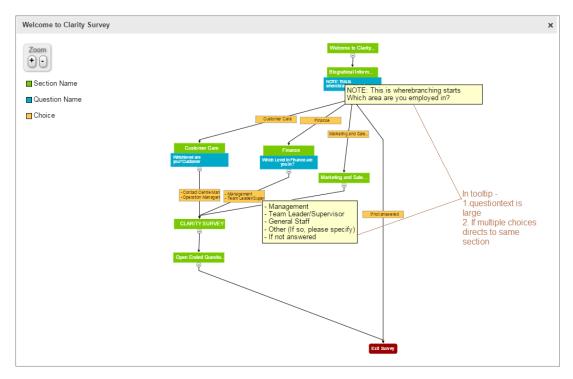


Figure 93: Preview branching logic

Notes

- · The adaptive branching capability in surveys is available only if the Advanced Assessment service is enabled.
- The adaptive branching capability is available in both Learning and Recruitment survey assessments.
- Branching to a question in any previous section of a survey is not supported.
- The branching logic is always applied after all questions in the section are attempted.
- Subsequent sections are not skipped automatically. For example, if a there are 4 sections in a survey, titled 1.Laptop, 2.Online, 3.Offline, and 4.Payment, and if a Yes/No question in section 1.Laptop has branching logic where a Yes directs to section 2.Online and a No to 3.Offline, then if a user response is Yes, then the user is directed to section 2.Online followed by 3.Offline and 4.Payment. In this case, section 3.Offline is not skipped automatically. It is up to the assessment authors to manually set the branching logic in section 2.Online to branch the user to section 4.Payment if they want the user to not attempt section 3. Here, the **Apply to all** option comes handy such that the author can define a branching question in section 2.Online where all responses are set to branch to section 4.

Use case

A survey needs to provide a choice of next questions to users based on their responses to an attempted question.

Learning Activity

Additional search filters in class roster

How did it work?

Instructors and learning administrators were not able to search for learners in a class roster using person data such as Person Legal ID.

How does it work now?

With this update, Saba Cloud displays the following additional search filters when instructors and learning administrators search for learners in a class roster:

· Person Legal ID

Specify the person legal ID of the required learner.

Note: This field is displayed only if the "Can View Protected Data" privilege is enabled on "Person, Internal" component for the logged-in user.

Email ID

Specify the email ID of the required learner.

You can use the new fields individually or in combination with existing fields to search for learners in the roster.

To view the new search filters in the class roster:

- Click Admin > Instructor > Edit a class > Show filters
- Click Admin > Learning > Manage Classes > Search and edit a class > Roster > Show filters



Figure 94: Additional search filters in class roster

With this update, the Person Legal ID and Email ID are also displayed in the tooltip that appears when you hover the cursor over the learner name in roster search results.

Use case

Organizations need additional fields to search for people in a class roster. For example, organizations using a SSO solution to access Saba Cloud use the Person Legal ID instead of the usual Person ID field to store the user ID. Such organizations need the Person Legal ID option to filter learners in a class roster.

Roster print PDF enhancements

How did it work?

Saba Cloud did not provide the ability to display a company logo and watermark image in the PDF that could be printed from a class Roster.

How does it work now?

With this update, Saba Cloud enhances the class Roster Print PDF functionality such that the printed PDF can now display the following along with the existing Roster data:

- A company logo
- A watermark image

To print a Roster PDF, login as an Instructor or Learning administrator > Search for a scheduled class and edit it. Go to the class Roster, and click the **Print/Export** icon

The company logo displayed in the Roster PDF is the same image that appears in the Saba Cloud site header, whereas the watermark image displayed in the Roster PDF is the same image that is used as the login page background image. System administrators need to first configure the company logo and the watermark image for the site so that they are displayed in the Roster PDF.

To configure a company logo for the site:

- 1. Go to System > Configure System > Microsites.
- 2. Search for the required microsite and edit it.
- 3. Click the Configure branding tab.
- 4. Upload the required image using the Upload your company logo or provide URL field.

To configure a watermark image for the site:

- 1. Go to System > Configure System > Microsites.
- 2. Search for the required microsite and edit it.
- **3.** Click the **Configure branding** tab.
- 4. Upload the required image using the Upload login page background image URL field.



- If the company logo or background image URL is empty or invalid, then the Roster PDF is generated without the logo and watermark.
- For certain static images that are provided with Saba Cloud, the relative paths for images work only if these images are available under the "assets" directory.

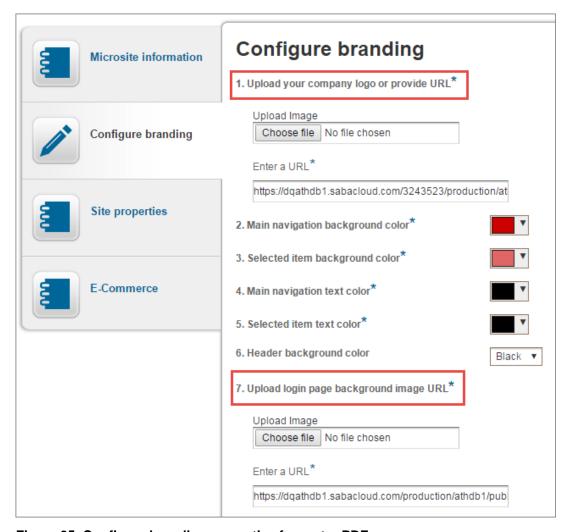


Figure 95: Configure branding properties for roster PDF

Use case

Printing the class roster is very handy for instructors while conducting a classroom training. It is very useful to have the company logo and any additional watermark image on the printed roster to provide a distinguished identity to the roster.

Configure display of credits on completed learning of learners

How did it work?

If the Continuing Education Credits service was enabled for a learner's domain, then the learner could view credits for their completed learning. There was no provision to control the visibility of credits.

How does it work now?

Saba Cloud now allows system administrators to configure the visibility of credits for completed learning of learners by introducing the following new setting:

View earned credits on completed learning

Possible values: On and Off

Default value: On

If this setting is enabled on a learner domain and the course domain, then the learner can view the earned credits for their completed learning. If disabled, then the credits are not displayed for the completed learning.

To configure the setting go to Admin > System > Configure System > Continuing Education System.

Note: When the setting is disabled, Print Certificate, Export Certificate, and notifications, if any, for completed courses still fetch credit information if corresponding keywords are added to them.

Use case

There is a need to configure the visibility of credits for completed learning of learners.

Display view credits link in catalog search results

How did it work?

The learning catalog search results for courses did not display the **View credits** link even if a course had Continuing Education credits associated with it.

How does it work now?

With this update, Saba Cloud displays the **View credits** link in catalog search results for courses that have Continuing Education credits associated with them. If no credits are available for a course, then this link is not displayed.

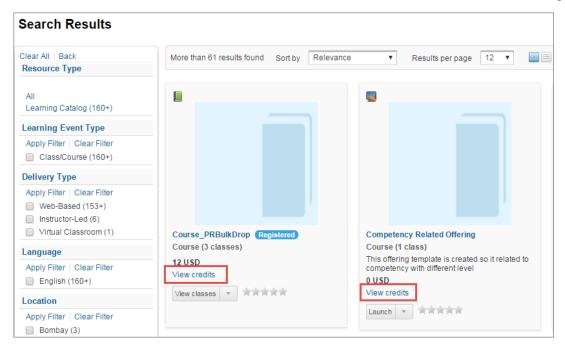
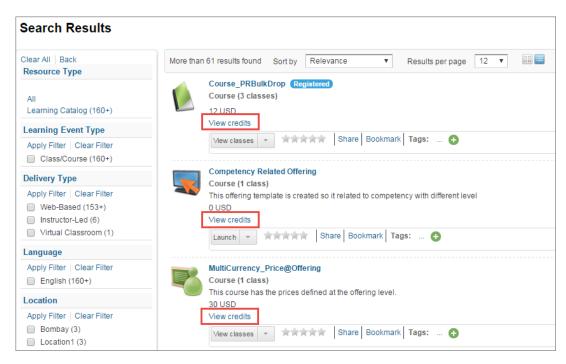


Figure 96: View credits link in catalog search results - Grid View



Note: As per existing behavior of the **View Credits** link in course or class details pages, when the Continuing Education service is enabled and Field Of Study service is disabled, the **View Credits** link is replaced by **Available credits** link even in catalog search results.

Figure 97: View credits link in catalog search results - List View

Use case

When learner search for courses in a catalog, they need to view the course credits upfront. This eliminates the need to navigate inside a course to view the credits.

Enhanced class and course details pages

How did it work?

The class details pages in Saba Cloud did not display course-related information such as course description, course attachments, course custom details and so on.

How does it work now?

With this update, Saba Cloud enhances the class details and course details pages to provide details upfront and improve usability.

Enhanced Class Details Page

The class details page now displays a seamless mix of the following class and course information:

- Course and class descriptions
- Course, class and delivery mode attachments, whichever are available
- Course custom information is shown in a separate section
- More actions link is replaced with a button that shows the primary action and a dropdown for other actions

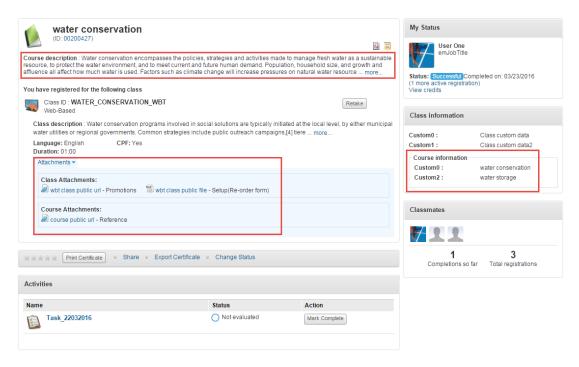


Figure 98: Enhanced class details page

Enhanced Course Details Page

The course details page now displays multiple classes in a single view. This view incorporates:

- · Course description
- Class description for each class in the course
- · Class and delivery mode attachments for each class
- More actions link is replaced with a button that shows the primary action and a dropdown for other actions
- · All clickable links like View credits, View details, Attachments, and so on, are displayed below various class details

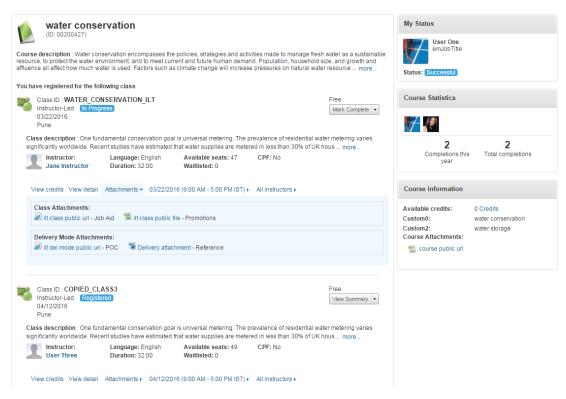


Figure 99: Enhanced course details page

Use case

When registering for a class, a learner needs to see the course description on the class details page. After registration, the learner needs to see a seamless mix of course and class descriptions, and course and class attachments.

Display available credits in a popover

How did it work?

Learners had to click the **View Credits** link on a course or class to view the credits available to them.

How does it work now?

With this update, learners can now view the available credits for a course or class just by hovering the mouse cursor over the **View Credits** link. Saba Cloud displays a popover with the following details:

- · Total credits
- Four Field of Studies with the number of credits and max credits for each
- A View more link, if the FOS exceeds four

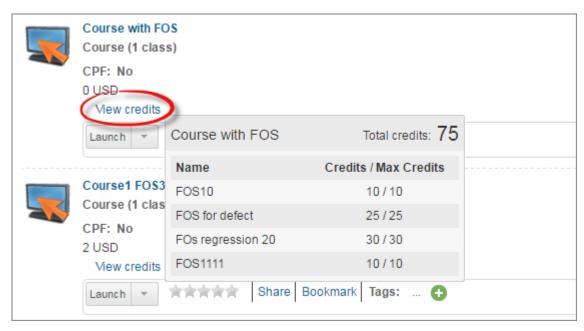


Figure 100: View credits popover

Note: The existing behavior of the **View credits** link remains unaffected with this change. Clicking the **View credits** link still displays the **View credits** popup window for the course/class.

Use case

There is a need to reduce the number of mouse clicks and improve usability while viewing course or class credits by learners.

New reminder notification for class commencement

How did it work?

Saba Cloud notifications do not provide person-specific information in a registration for session-based classes to learners.

How does it work now?

This update introduces the following new notification on the **Registration** component:

• Class Commencement Reminder as per Registration

The notification is triggered *X* days before a class commences, based on learner registrations for the class, where *X* is defined in the Reminders field of an event. This notification provides the ability to send notifications to learners on multiple days by adding the reminder days as a comma-separated list in the event.

To configure this notification, navigate to System > Configure System > Orders > Notifications.

To support the new notification, the following new keywords are added to various components:

Table 97: New Keywords

Component Name	Keywords Added
Registration	@Reg_Student_CompanyName@ @Reg_Student_CompanyAddr1@

Component Name	Keywords Added
	 @Reg_Student_CompanyAddr2@ @Reg_Student_CompanyCity@ @Reg_Student_CompanyZip@ @Reg_Student_CompanyCountry@ @Reg_ClassFacilityContactEmail@ @Reg_ClassFacilityContactFax@ @Reg_ClassFacilityContactName@ @Reg_ClassFacilityContactPhone@ @Reg_ClassFacilityCountry@
ILT Offering	 @Offering_ClassFacilityCountry@ @Offering_ClassFacilityContactPhone@ @Offering_ClassFacilityContactName@ @Offering_ClassFacilityContactFax@ @Offering_ClassFacilityContactEmail@

To support the new notification, the following new named query is added to various components:

Table 98: New Named Queries

Component Name	Named Queries Added
Registration	Person who created the registration
ILT Offering	
VC Offering	

Use case

There is a need to communicate person-specific information in a registration for session-based classes to learners by means of direct notifications.

Enhanced registration and cancellation confirmation pages

How did it work?

There was no provision to display any additional information on the registration and cancellation confirmation pages of session-based classes.

How does it work now?

This update enhances the registration confirmation page for internal users, order confirmation page for external users and registration cancellation confirmation page when cancelling a single registration item for session-based classes. These pages now display additional information, including links if any, to users so that it can lead them to go to external sites and take further action.

Note: For learner and manager flows, the additional information is displayed on the registration confirmation/order confirmation pages only when registering for a single session-based class. This information is not displayed for bulk registration of session-based classes from learner and manager flows.

Configuration

The following new attributes are introduced on ILT Offering, Blended Offering, and Virtual Class components:

- Enrollment Text
- Cancellation Text

By default, the **Display** checkbox for these attributes is cleared, which means these fields are not displayed for session-based classes. System administrators can enable these attributes by selecting the **Display** checkbox.

broadcast	Broadcast	Boolean
cancellation_text	Cancellation Text	Memo
class_no	Class ID	String
course_no	Course No.	String
csr_id	Customer Service Representative	String
delivery_id	Delivery	String
description	Description	String
disp_for_call_center	Display for Call Center	Boolean
disp_for_web	Display for Learner	Boolean
do_not_drop_post	Do Not Drop_master_upda5	Date
duration	Duration (HH:MM)	Real
elements_to_complete	Optional Elements to Complete	Integer
end_date	End Date	Date
enforced_seq	Enforced Sequence	Integer
enroll_close	Enrollment Closes Before	Date
enrollment_text	Enrollment Text	Memo
facility_id	Facility	String
group_id	Group ID	String

Figure 101: New attributes on session-based class components

Definition

If enabled, then these fields are displayed while creating session-based classes under the **Registration Information** section. Learning administrators can customize these fields to include text, images, URLs and keywords. If these fields are populated for a class, then they are displayed on the registration and cancellation confirmation screens. If these fields are empty for a class, then they are not displayed on the confirmation screens.

_		
	Registration Information	
	Min Count*	1
	Max Count*	20
	Max In Wait List*	20
	Student Count	6
	Students Waitlisted	0
	Vendor	Q 6
	Customer Service Representative	
	Allow Drop	Yes, this class can be dropped anytime after registration No, this class cannot be dropped on and after date
	Enrollment Text	B I U S ■ ■ ■ Paragraph Font Family Font Sizes Please click next to complete the registration: Administrator has requested to book hotel room as a part of the registration NEXT table Words: 21
	Cancellation Text	B I U S ■ ■ ■ Paragraph ▼ Font Family ▼ Font Sizes ▼ Please click next to CANCEL the registration : Administrator has requested to book hotel room as a part of the registration NEXT p Words: 21

Figure 102: New registration fields for session-based classes

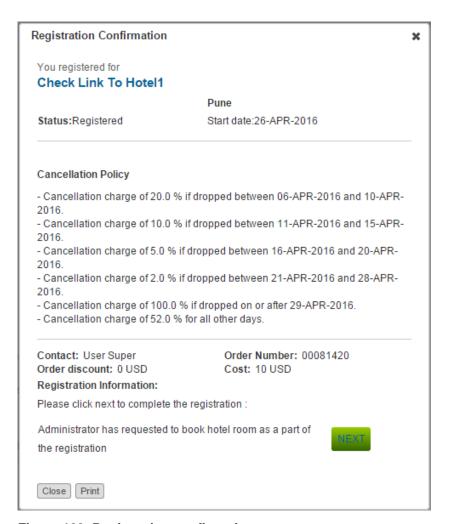


Figure 103: Registration confirmation page

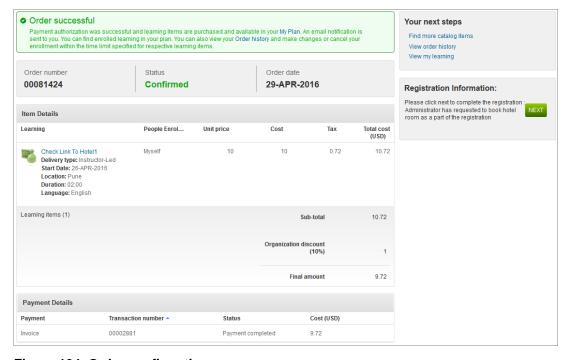


Figure 104: Order confirmation page

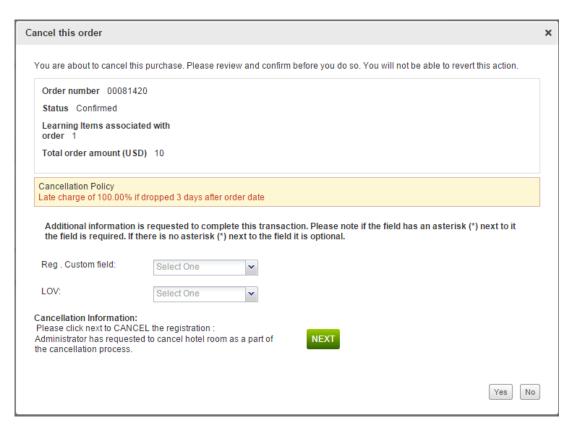


Figure 105: Registration cancellation page

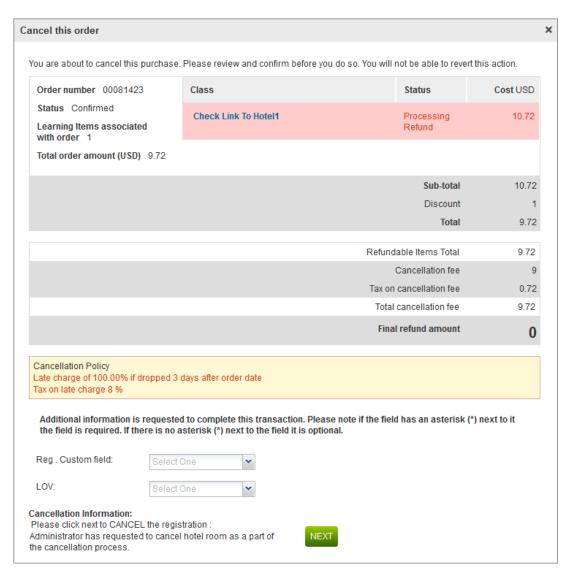


Figure 106: Order cancellation page

Use case

Some organizations want to provide additional information and links to separate sites that learners can link to from the class registration workflow. The registration confirmation page facilitates them to provide such details so that learners can be directed to make a hotel reservation, gather necessary information or additional information that the organization wants to gather about their participants. Similarly, the cancellation confirmation page also allows them to send a message or link to a site to cancel hotel reservations or other necessary things.

Enhanced editing capability on certification versioning

How did it work?

Certain certification attributes are not available for modification after a certification is created. While versioning a certification, it was not possible to modify these attributes and thereby, administrators lost the capability to create the new certification version to the desired specifications.

How does it work now?

This update enhances the editing capabilities of certifications while versioning them such that more attributes of the original certification are now available for modification in the new version. When learning administrators version a certification, on step **2 Modify Certification** of the versioning wizard, they can click the certification name link to open the certification details page for editing.

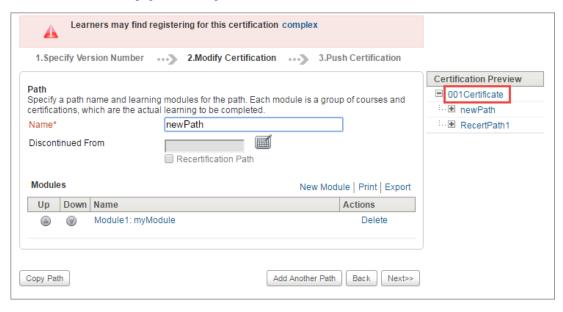


Figure 107: Certification name link during versioning

On this page, they can modify attributes such as Enforce Module Sequencing and Expiry Type.

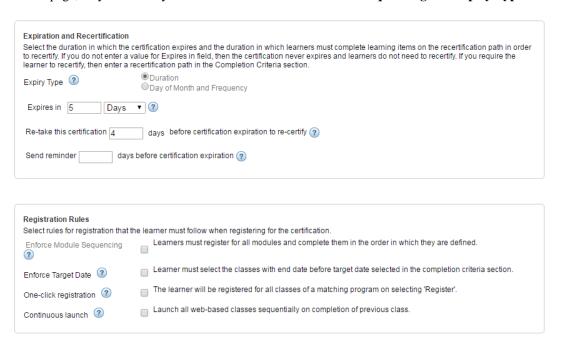


Figure 108: Edit certification details during versioning

Use case

While versioning a certification, learning administrators need to modify certification attributes such as Enforce Module Sequencing that are available in the original certification.

Restrict the ability to approve or reject class enrollment requests

How did it work?

Users possessing the role of managers had by default, the ability to view class enrollment requests of their reporting members and further approve or reject them. There was no way to restrict such users from approving or rejecting such enrollment requests.

How does it work now?

This update provides the ability to define a manager-like custom role who can view class enrollment requests of reporting team members but restrict their ability to approve or reject them.

To achieve this, Saba Cloud provides the following new security privilege on the **Registrations** component:

Can approve-reject enrollment request by others

If enabled for a security role, then users in that role have the ability to approve or reject class enrollment requests of others. If disabled, then they cannot approve or reject class enrollment requests of others.

By default, this privilege is assigned to the following security roles in Saba Cloud:

- Approver
- Manager
- Alternate Manager
- Human Capital Admin
- Superuser

Limitations for the **Approver** security role:

- If "Can approve-reject enrollment request by others" privilege is enabled for the **Approver** role, then system administrators must also enable the "Can drop registration for others any time" security privilege on the **Registrations** component for that role. If not, then users having the **Approver** role cannot reject class enrollment requests.
 - Note: If an ad hoc user is assigned the **Approver** role, then it is recommended that administrators take precaution while assigning these privileges to ad hoc users because these users get the power to drop any other registrations in the system as well.
- If an ad hoc user is added to the approver flow, but the "Can approve-reject enrollment request by others" security privilege is disabled. for **Approver** role, then Saba Cloud still sends out notification emails for approve/reject requests to the ad hoc user. However, after clicking the **Approve/Reject** link, Saba Cloud displays an "Insufficient privileges" error to the ad hoc user.

Use case

Organizations in certain countries do not want their employees in the role of managers from approving or rejecting class enrollments of reporting team members. A new security privilege that restricts this ability of managers is required. If the privilege is removed from the manager role, then the manager can view learner enrollments needing approved but cannot approve or reject them.

Content

Enhanced remote content server security

How did it work?

Saba Cloud provided security for content hosted on remote content servers using a time-based mechanism.

How does it work now?

With this update, Saba Cloud enhances the security of launch URL of content hosted on a remote content server using a cookie-based mechanism so that only authorized users can access the content.

To enable security of content launch URL, Saba "admin" users need to configure the following new site-level property for **Content**:

Generate time-based launch URL for secured RCS

Possible values: "true" or "false"

Default value: "false"

If this property is set to "true", then the generated launch URL for content hosted on a remote content server, can be transferred over the network, but has a time-based expiry. By default, it is set to "false", where the launch URL is secured using a cookie-based mechanism such that it cannot be transferred over the network and prevents unauthorized access of content. Any attempt to transfer the URL to a browser other than the one used by the current logged in user, results into a "403 Forbidden" error. The enhanced security works on MS Internet Explorer 10 and 11, Mozilla Firefox, and Google Chrome browsers.

Consider Content Attempt in "Suspended" state for completion for SCORM2004 type content	0
	Consider Content Attempt in "Suspended" state for completion. (Value 0=Default value takes content specific values. 1=Consider Content attempt in "Suspended" state. 2=Do not consider Content attempt in Suspended state.)
Generate Secured Content Launch URL with Rest Service	false If true, a secured Content Launch URL will be generated. By Defaul
	the value is false.
Generate time-based launch URL for secured RCS	false
	If selected then generated URL can be transfered over network but will have expire in defined time.
Hide "Exit Without Saving" for SCORM2004 type content	0

Figure 109: New Content property for secured RCS

Tiote. Tou me

Note: You must also ensure that the "Is a secure server" property for the Nginx or IIS server for RCS is enabled.

Supported Content Formats

This enhancement supports the following content formats only:

- File as URL
- Deployed SCORM
- ZIP

Notes

- The content launch URL is secured for remote content servers secured with Nginx and IIS servers.
- CDN is not supported.
- TinCan content format is not supported.
- If the site name is added to LIST_LDSRCS in the Sabadownload.ini property file, then cookie-based security is
 enforced irrespective of the Generate time-based launch URL for secured RCS site level property.

Updated content.security File

This update provides an updated **content.security** file. If you are using IIS server to serve the RCS content, then you must replace the existing **content.security** file with the new one.

To download the latest version of this file:

- 1. Login to Saba Cloud as a cloud "admin" user.
- 2. Click Content > Remote Content Server Files.
- 3. Click the **Downloads Files for IIS Server** button.
- **4.** Download the **iis.zip** file, extract it to a convenient location and copy the **content.security** file from the extracted files
- **5.** Replace your existing **content.security** file with the latest one.

Use case

The security of launch URL for content deployed on a remote content server must be enhanced so that it is accessible only to valid users after authentication.

E-commerce

Buyer can view redemption code in the order confirmation page

How did it work?

When an external learner use to buy the learning item for others, a redemption code use to generate. This redemption code is sent through email to list of people mentioned in the **notify people** action. If the people are not notified, then there was no other way to retrieve the redemption code.

How does it work now?

From this update, when an external learner buys the learning item for others, the generated redemption code will be shown on the UI to the buyer in the following pages:

- Order confirmation page
- Learner's order history

- Registrar order history
- Message center
- Rest API to get the order details

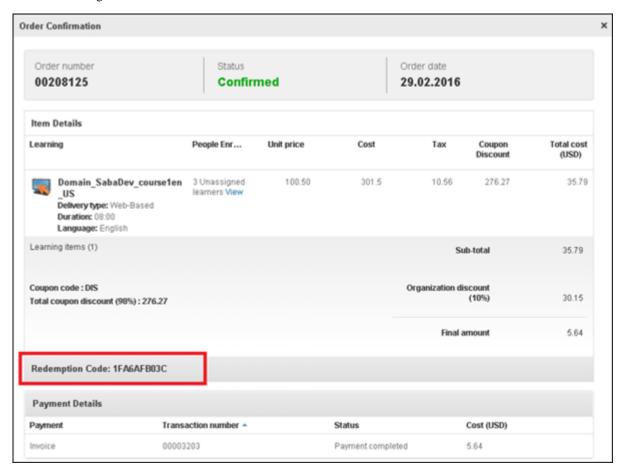


Figure 110: Redemption code on Order confirmation page

Order Details: Orde	er Number 00208122		
Order Contact	a one		
Created On	29.02.2016		
Order Status	Confirmed		
Billed To	Company1		
Other Information			
Custom0			
Custom1			
Custom2			
Custom3			
Custom4			
Custom5			
Custom6			
Custom7			
Custom8			
Custom9			
Custom10			
Custom11			
Custom12			
Custom13			
Custom14			
Payment Details			Print Export
Method Of Payment	Transaction ID	Payment Status	Amount Action
Invoice Me	00003200	Payment completed	271.35 USD
Order Notes		Add Note	,
No items found			
Redemption Code: 1FA6AFB03	С		
Order Items			
			Adjust All Prices Modify Table

Figure 111: Redemption code on Order history page

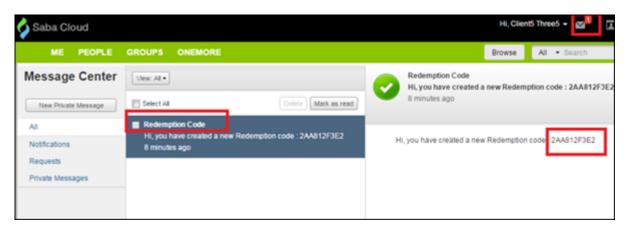


Figure 112: Redemption code in learner's message center

Use case

The **Buy for Others** workflow is now improvised by displaying the redemption code.

Buying learning items with deferred payments

How did it work?

Prior to this update, the learner had to pay for an order during the registration only as there was no provision to buy now and pay later.

How does it work now?

From this update, the learner can buy and register for a course/class and make the payment later. To support this, a new setting **Allow the learner to place the order and make the payment later** under **Services** > **Orders** has been introduced.

Figure 113: Allow deferred payment setting

By default, this setting is disabled. When this setting is disabled, the learner has to place the order and make the payment immediately. When this setting is enabled, the learner can place the order and on the **Payment** screen need to click the **Pay later** button. On this screen if the learner clicks the **Confirm** button, a popup is shown to select the payment type.

Note: This is applicable for both, orders & subscription orders.

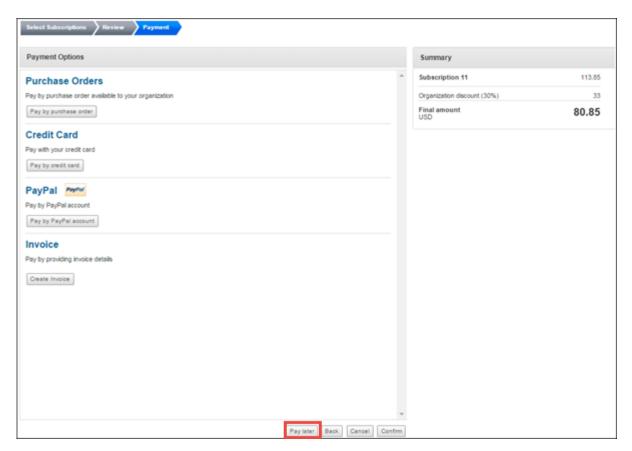


Figure 114: Pay later button on Payment screen

On clicking Pay later, the order is confirmed but with the Payment Initiated status.

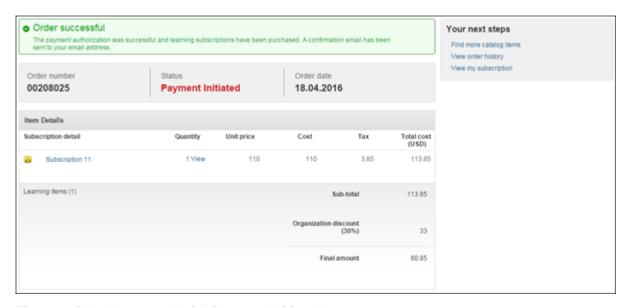


Figure 115: Order created with Payment Initiated status

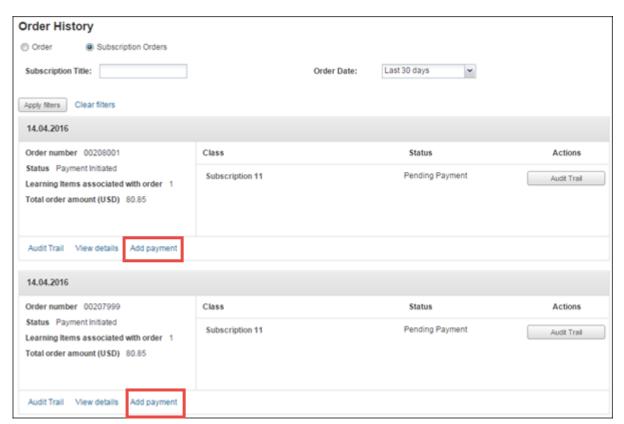


Figure 116: Add payment link on Order History

The learner can now continue with taking up the course or class and make the payments whenever ready. To make the payment, the learner must navigate to **ME** > **Order History** and find the order with **Payment Initiated** status. Click **Add payment** corresponding to the order, choose the payment method, and make the payment.

The above flow is applicable for registrar too where registrar can register the user for course and pay later.

Use case

When a learner buys any learning item using a purchase order or training unit, he/she had to make the payment immediately. But, by the time the purchase order or training agreement gets approved, the course used to get completed or the seats were unavailable. Hence, there was need that the learner should be able to sign up for the training until the purchase order or training unit is ready and then make the payments later. Through this enhancement, the user can now buy the learning item and pay later.

Choose the required credit card type for payment

How did it work?

There was no provision for admin to add a support for all types of credit card or any specific card.

How does it work now?

From this update, the Credit Card flow now supports Visa, Master Card, Amex, and Discover type of credit cards. A new property **Supported card type** is added in the **Payment Configuration** properties at the microsite level. The system admin must navigate to **System** > **Sites** > <*sitename*> > **Payment Configuration** property and add the required types of credit cards in the **Supported card type** property. The system admin can add any or all of the above card types in this property. The admin must specify multiple card names by seperating each with a comma.

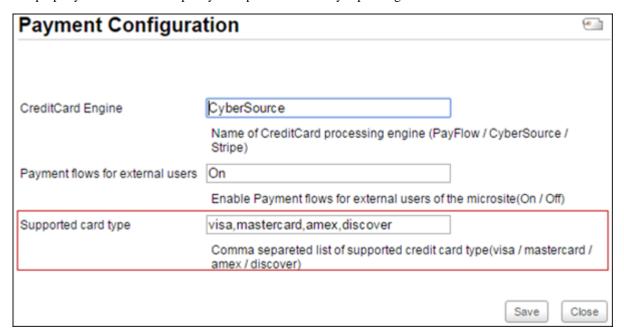


Figure 117: New property at Microsite level

Based on the type of cards added in this property, the **Card Type** dropdown list on the Credit Card payment page will populate those cards.

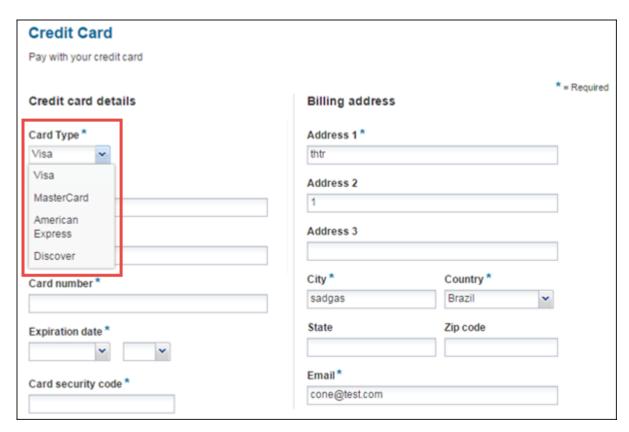


Figure 118: Credit Card Type

Validation has also been added on the Card number field against the selected card type. If the card type and card number does not match, an **Invalid card number** message will be shown to the user.

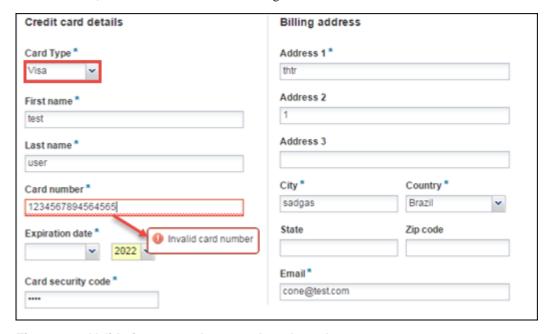


Figure 119: Validation on card type and card number

Use case

The admin can now add the supported credit card type on the Microsite so that only those credit cards will be available for payment to the user.

Course visible for request learning regardless of active classes and associated currencies

How did it work?

If the **Pricing** setting was enabled, then even if the course had no class, the course was still visible to all the learners no matter whats the currency type of the base price. But once the class was created, the course use to be visible to learners only if the organization's or learner's default currency would match with the currency of the class. If it didn't match, the course would not appear.

How does it work now?

From this update, the learner will not only be able to search for such courses but will also be able to submit learning request. If a course has a class in a currency different from the learner's currency, the learner will be able to search for that course and also submit the learning request for that course. The course will be returned only if the **Learning Requests** service under **Learning@Work > Catalog** is enabled. If the **Learning Requests** service is disabled, the courses will not be visible for request submission.

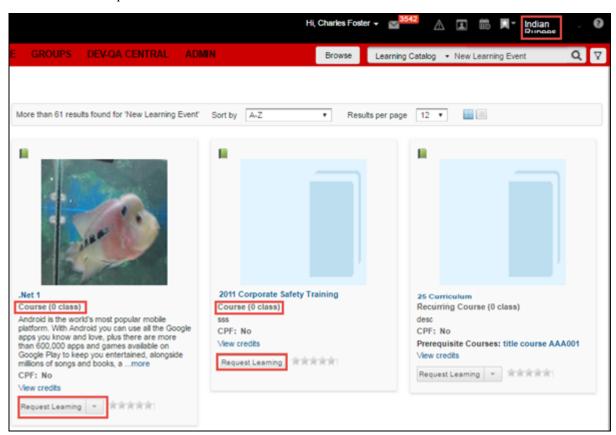


Figure 120: Course visible for request learning

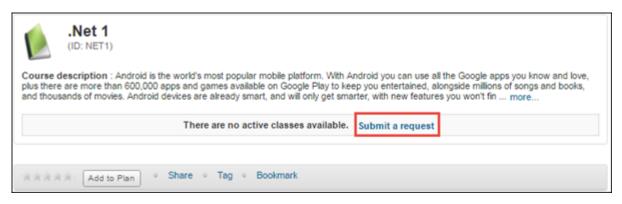


Figure 121: Request for learning from Course details page

Use case

A user is using the same catalog globally, but is scheduling the ILT classes locally, with a local price in different currencies. When a class is added to the course in one currency, the course is not visible to other learners in other countries. Due to this, the learners do not know whether that course exists in the catalogue anymore. With this enhancement, the learners will now be able to search and request for learning for courses that are in different currencies.

Display learner's billing and shipping address in order details

How did it work?

In **Payment Details**, the learner's address is not shown when the order is paid through credit card. In addition to that, the Tax-related information section shown only shipping address and not the billing address.

How does it work now?

From this update, the registrar can track learner's addresses from the Order details page. When the payment is made through credit card, the registrar can view learner's billing address. To view the address, the registrar must:

- 1. Navigate to Learning > Registrar Desktop > Order History.
- 2. Search for the order whose payment was done using Credit Card.
- 3. Click the order number.
- 4. Under Payment Details, click Address detail to view the learner's address.

Also, under **Tax-related information**, the registrar can now view learner's shipping and billing address.



Figure 122: Learner's addresses on Order details page

Both the addresses are driven by **Billing Party** and **Use order contacts addresses for orders even if bill to party is organization** settings under the **Orders** service.

If **Billing Party** and **Use order contacts addresses for orders even if bill to party is organization** settings are disabled, then the learner's organization address will be shown. If both the settings are enabled, then learner's addresses will be shown under **Payment Details** and **Tax-related information**.

Note: This enhancement is actually driven by the **GET THE ORDER DETAILS OF A PARTICULAR ORDER REST** API. To know more about the API changes, refer Order details API to return Billing Address and Payment details.

Use case

This enhancement will improve the usability by passing the order and payment information to tax and CRM systems.

Purchase a class in alternate currency

How did it work?

Prior to this release, only guest users were able to search for the courses that were in different currencies. The currencies use to be displayed in the dropdown in the header panel next to the **Language** dropdown list.

How does it work now?

From this update, along with the guest users, the logged-in learner will also be able to view multiple currencies in the dropdown list based on the **Bill to learner itself instead of learner's organization** setting. The dropdown list will display either currencies associated with the learner or the learner's organization. The organization's/learner's most preferred currency will be selected by default. The changed currency will be applicable only for that session which means if the user logs in again, the default currency will be displayed in the dropdown. Based on the selected currency, the catalog search, catalog details will be displayed in the selected currency. Also, the order will be created in the selected currency.

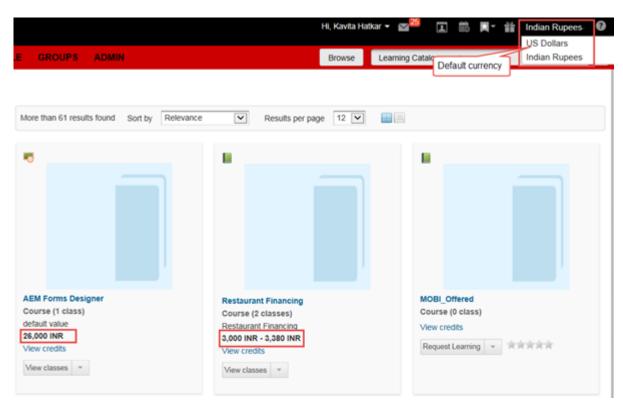


Figure 123: Course price displayed in alterate currency

The learner can then go ahead and buy the course in the available currency.

Use case

This feature helps in making the system truly internationalised since learners are not bound to a single currency and can purchase classes across the globe using the region specific currency.

Renew active subscription orders

How did it work?

When a user has already subscribed for a subscription order, the subscription order details page still shows the **Buy now** button to the user.

How does it work now?

From this update, the **Buy now** button for already subscribed subscription orders is replaced with the **Renew** button. The **Renew** button will appear even before its expiry. On clicking **Renew**, follow the same payment flow and renew your subscription order.

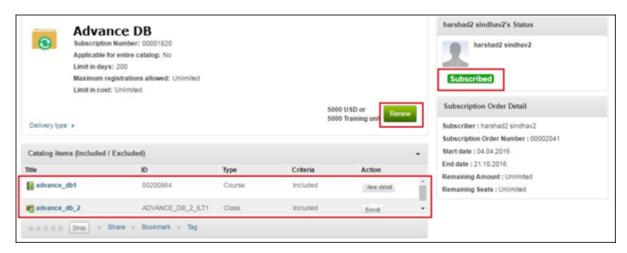


Figure 124: Renew button on Subscription order details page

On clicking the course title from the subscription order details page, the **Buy now** button corresponding to each class is now replaced with the **Enroll** button. Similar to the class enrollment flow from the subscription order details page, the user can enroll for the class directly without redirecting to the payment page, irrespective of whether the **Use subscription as default payment option for learner** setting under **Subscription** is enabled or disabled. While enrolling for these courses or classes, the learner does not have to pay again because they are part of the subscription and the learner has already paid for it.

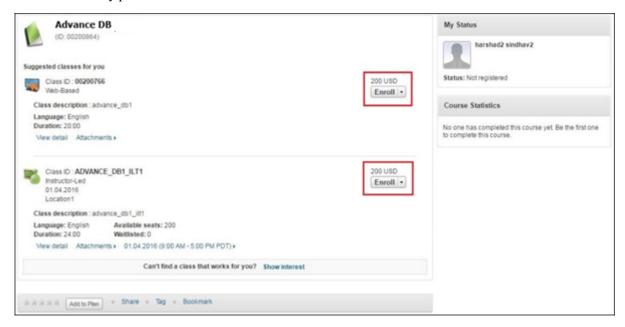


Figure 125: Enroll button for class

Use case

This feature improves the usability of subscription orders.

Select e-commerce configuration based on domain or microsite

How did it work?

When a user belonging to domain A and microsite A logged into microsite B, the theme of the microsite B was based on the user's domain (i.e. domain A) and not of the microsite through which the user actually logged in. However, the site property configurations were fetched from the logged-in microsite (i.e. microsite B).

Though the payment configuration based on microsite-domain setting, worked for many users. It will be challenging and confusing for those who were using single URL for all users.

How does it work now?

From this update, the user can choose whether to fetch the entire e-commerce configurations from the microsite associated with the user's domain, or not. If it's not defined, then the configurations will be pulled from the default microsite. To support this, a new setting **Select ecommerce configuration based on domain** has been introduced in **Services** > **E-Commerce**. By default, this setting is enabled. When it is enabled, the microsite level configurations will be fetched from the microsite associated with the logged-in user's domain.

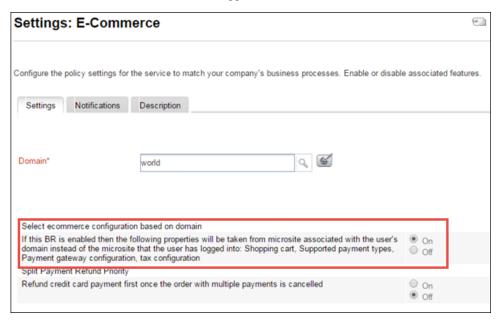


Figure 126: New setting in E-Commerce

When this setting is enabled, the following microsite level configurations are fetched:

- Shopping Cart
- Supported Payment Types
- · Site properties
 - Payment Configuration
 - · Paypal Configuration
 - Cybersource Configuration
 - Stripe Configuration
 - · Tax Configuration

Use case

The users can now get the best advantage of the Microsite unique choices for payment processing, while still have an option of using one single URL rather than using multiple microsite URLs.

Show learner's preferred currency and shipping address when billing party is organization

How did it work?

When a learner is aligned to an organization:

- On searching for courses in the catalog, the courses are shown in the organization's currency and not in learner's currency.
- On purchasing the learning events, the **Ship to** and **Bill to** address information is pulled from organization details and not from learner's profile.

How does it work now?

From this update, the currency and shipping address will be driven by the new settings under **Orders** service.

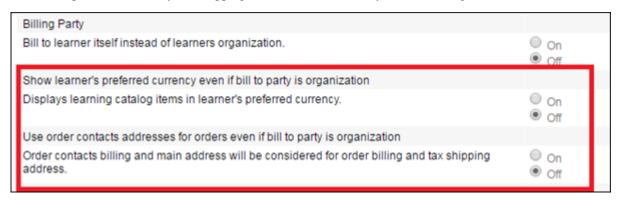


Figure 127: New settings in Orders

Show learner's preferred currency even if bill to party is organization setting

By default, this setting is disabled. When this setting is enabled, the learning catalog items will be displayed in learner's preferred currency. The currencies associated with the learner's organization will still be shown on the UI, but its preference will be determined by the learner's preferred currency order. If a learner's currency is not part of the organization's currency, then it will not appear in the UI.

Use order contacts addresses for orders even if bill to party is organization setting

By default, this setting is disabled. When this setting is enabled, the learner's (order contact's) billing address and main address will be considered for order's billing and tax shipping address. Also, the billing and shipping address that is sent for credit card calculation and tax calculation respectively, will be picked from learner's (order contact's) profile.

The above settings will have relevance only when the **Billing Party** setting is disabled.

Use case

Initially, the billing party could be set to either learner or organization, which was restrictive. With these new settings, even though the Billing Party is organization, the learner will now view the classes or courses in their preferred currency. In addition, the learner's profile address information will be pulled into orders.

Set priority for refunds in case of split payment

How did it work?

If a learner has paid through purchase order and credit card for an order, then on refunding, the amount paid by the purchase was returned first. The remaining amount paid by the credit card was returned later.

How does it work now?

From this update, the learner has the privilege to choose from which payment type the amount will be refunded first, in case of split payment. A new setting **Split payment refund priority** under **System** > **Services** > **E-commerce** has been introduced.

Note: This setting is applicable only when the payment is made using purchase order and credit card.

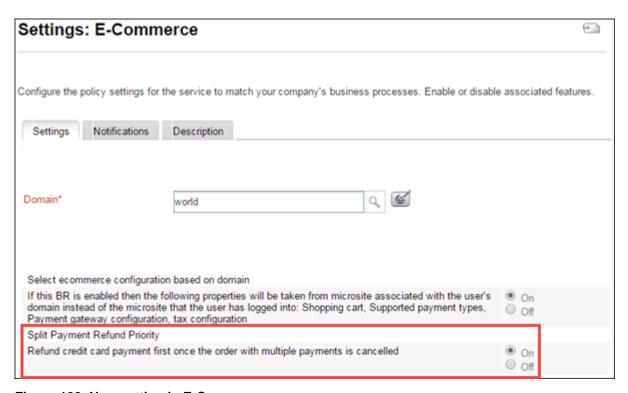


Figure 128: New setting in E-Commerce

By default, this setting is disabled. When it is disabled, the amount paid by purchase order will be returned first. When it is enabled, on canceling the order (by learner or by registrar), the amount paid by credit card will be returned first. In case the order is rescheduled and any late charges (if applicable) are paid using the credit card, then the first payment made from that credit card will be returned first.



Figure 129: Refund message when registrar cancels the order



Figure 130: Refund message when learner cancels the order

The admin can now specify the priority for refunding payments in case of split payment.

UI indications related to registrations for registrar and learning admin

How did it work?

When learners are added to the **Roster** and order is payable or when the external learner could not complete the payment for a class having price, the order is created with the **Payment Initiated** state. But when the **catalog admin** and **instructor admin** looks at the **Roster**, there is no indication that the payment is pending for registration because the registration status is shown as **Registered**.

How does it work now?

From this update, the **Registration status** column in the Roster will display warning icons indicating the current status. On hovering the icon, it will show the exact registration status of the learner.

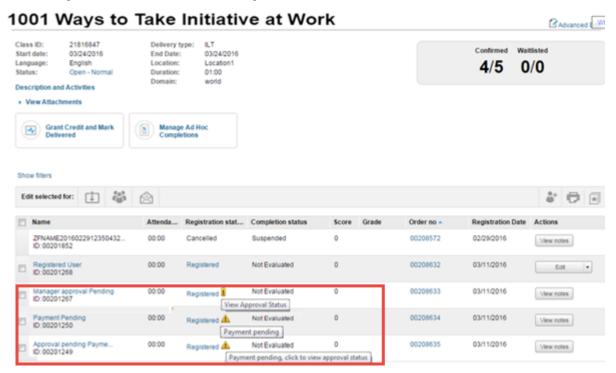


Figure 131: Course price displayed in alterate currency

The newly added indications to the **Registration status** column are:

- **1. View Approval Status**: Appears only when the manager approval is pending. The warning icon is clickable and will show the approval chain.
- 2. Payment pending: Appears only when the payment is pending. The warning icon is not clickable.
- **3. Payment pending, click to view approval status**: Appears when approval and payment is pending. The warning icon is clickable and will show the current approval status.

Use case

Admins couldn't identify that the payment is pending for a learner and allows the learner to be in the confirmed seat even though they have not paid. Through this enhancement, the admin will have a clear idea about the exact registration statuses of each learner.

Chapter



Social

Topics:

Preview social files

Preview social files

How did it work?

Saba Cloud did not support the ability to preview social files formats such as doc, pdf, excel, and plain text.

How does it work now?

This update provides the ability to preview social files that are uploaded to Saba Cloud.

The following file formats are supported for preview:

- WORD ".doc", ".docx"
- PPT ".ppt", ".pptx"
- PDF ".pdf"
- EXCEL ".xls", ".xlsx"

The underlying Document Conversion Server converts these file types to the specified format such as HTML to facilitate the preview.

To enable the preview feature, the Saba "admin" users must configure the following new set of site-level properties under **Document Conversion**:

Table 99: Document Conversion properties

Property	Description
Convert Social Files	Property to enable or disable DCS conversion of social files. If set to "true", then DCS converts social files, and resultantly the Preview feature is available to users. If set to "false", then DCS does not convert social files, and resultantly the Preview feature is not available to users. By default, this property is set to "false"
File content conversion format	The file format to which DCS converts the social files. The default format is HTML.
Height Resolution	The height resolution that DCS considers for file conversion.
Width Resolution	The width resolution that DCS considers for file conversion.

Document Convers	sion
Convert Social Files	false
	DCS converts social files.
File content conversion Format	HTML
	DCS converts document to this Format.
Height Resolution	680
	DCS considers this height resolution for document conversion.
Width Resolution	480
	DCS considers this width resolution for document conversion.

Figure 132: Document conversion site-level properties

Social files can be previewed from the following areas in Saba Cloud:

- Activity stream
- · Global search
- Resource detail page
- Me tab > Files

Use case

Users need the ability to preview files and get a glimpse of their contents before downloading them.

Chapter

5

Performance

Topics:

- Attach files in a review
- Capture audit trail on updating the overall rating
- Flip boxes in N-box of review calibration to people and description view
- New settings for org objective and manager goals in My plan view
- People admin and HRBP can access user's plan through profile quicklinks
- Print To-Do List
- Submit newly added To-Do list items for approval
- Update approval flow for goals
- Update overall rating score via RDI

Attach files in a review

How did it work?

There was no provision to attach files in reviews.

How does it work now?

From this update, the user can now attach files, such as award certificates, appreciation emails, and so on in the review. This will help the rater assess the reviewee in a better way. The user can attach the following file formats:

- Word
- Excel
- PowerPoint
- Email
- Images (.jpeg, .png, .bitmap)
- Zip

A new policy **Allow file attachment on review** is introduced in the review forms. By default, this policy is not selected. If this policy is selected, the **Attach a file** action will appear in the Attachment widget.

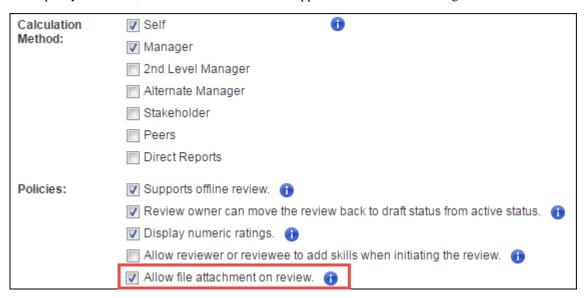


Figure 133: Allow file attachment on review policy

Once the file is attached, the **Attachments** section will appear in the review. The user can attach a file only when the review is in the **Open** state. All the users associated with the review, will be able to view the attached files.

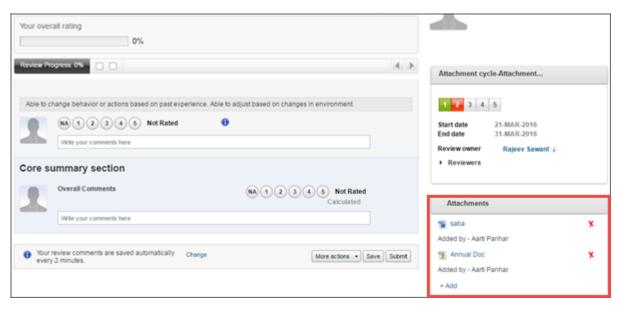


Figure 134: Attached documents in the review

The user can also add the attachments using the + Add link in the Attachments section.



Figure 135: Add attachment

The user can click the filename and download the file. The user can delete the attachment depending on his/hers role in the review. Reviewee can delete attachments that are added by self and performance admin/review owner can delete any attachment. The user will not be able to delete the files if they are in **Released** and **Finalised** state.

Use case

The reviewee can now attach files to the review which will help the rater assess the reviewee appropriately.

Capture audit trail on updating the overall rating

How did it work?

The audit provision was available only when the overall rating is updated through UI.

How does it work now?

From this update, whenever the overall rating is updated, the action will be captured in auditing. The **change review** rating attribute in **Services** > **Performance@Work** > **Reviews** > **Actions** is set to **Esignature reason required**. Due

to this, if the overall rating is updated via UI, then it becomes mandatory to mention the reason. If it is updated via RDI and the import is successful, then it will be recorded in the audit trails as per the auditing type set at the component level.

The audit action will capture the previous rating, new rating, username who updated the rating, and the reason.

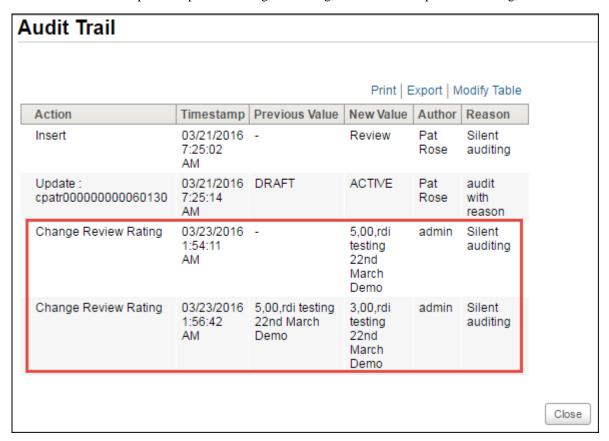


Figure 136: Audit trail on updating the overall rating

Use case

The admin can now capture the reasons as well on updating the overall rating score in reviews.

Flip boxes in N-box of review calibration to people and description view

How did it work?

In N-box of review calibration, the user had to click on the count of every box to view the people names.

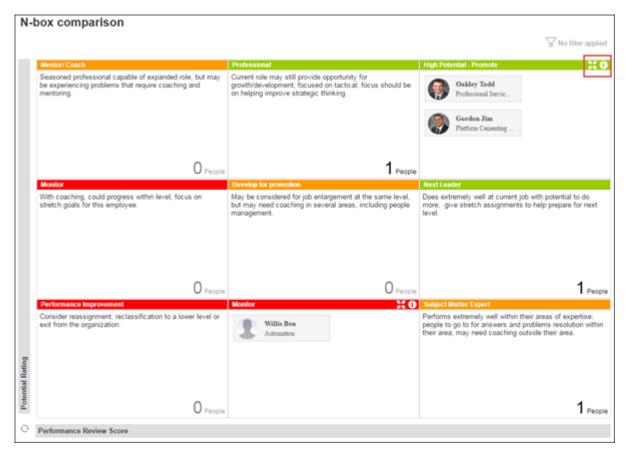


Figure 137: Earlier view of N-box

The Expand icon on the top-right corner of the box, expands the box to have a bigger view. The (i) icon flips the box to the description view.

How does it work now?

From this update, in N-box review caibration, the user can see the people names in all the boxes at once. Navigate to **Admin** > **Performance** > **Manage Reviews** > Open any activated review > N-box calibration. At the top of the N-box, see the two new button **Description View** and **People View**. The **Description View** button will show the text in all the boxes. The (i) icon is now removed. The **People View** button will show the people names in all the boxes.

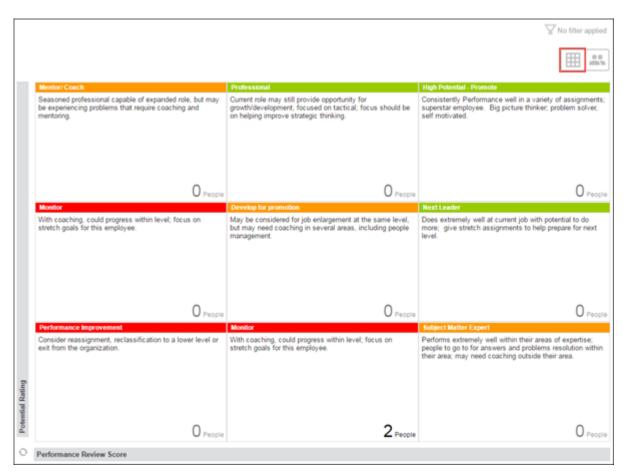


Figure 138: Description View

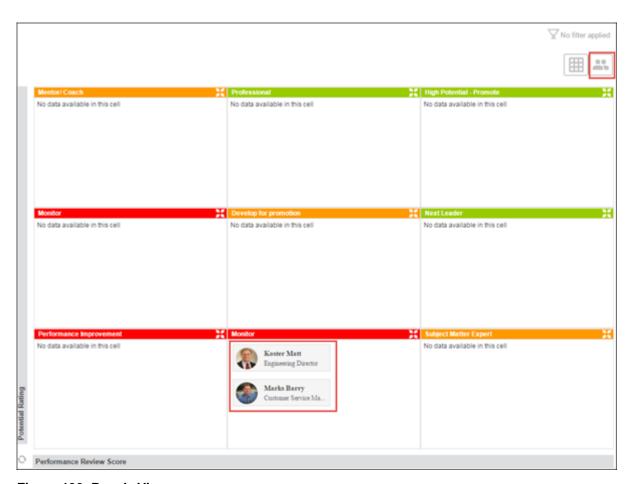


Figure 139: People View

In the review calibration, when a manager is comparing people in N-box, he/she can use these new buttons to flip between the description and people views.

New settings for org objective and manager goals in My plan view

How did it work?

Prior to this release, the org objectives and manager goals were by default displayed in the My Plan view and it was not governed by any settings.

How does it work now?

In this update, the following three new settings are introduced in **Services** > **Performance@Work** > **Goals**:

1. Manager Goals: If this setting is enabled, the Manager Goals link will appear under Me > My Plan > Goals & Objectives tab and user will be able to create and align their goals with the manager's goals. If this setting is disabled, the link will be unavailable on My Plan page.

- 2. Org Objectives: If this setting is enabled, the Org objectives link will appear under Me > My Plan > Goals & Objectives tab and user will be able to create and align their goals with the organization's objectives. If this setting is disabled, the link will be unavailable on My Plan page.
- 3. **Default view for Manager's Goals or Org Objectives**: If this setting is enabled, the **Manager Goals** link on the **My Plan** page will be highlighted or **Org objectives** link will be highlighted. The admin can enable this setting, only if the above two settings are enabled.

By default, the above three settings are enabled.

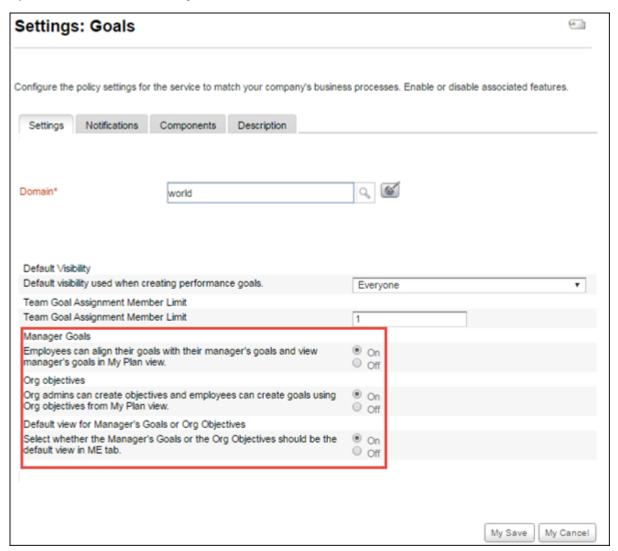


Figure 140: New settings in Goals service

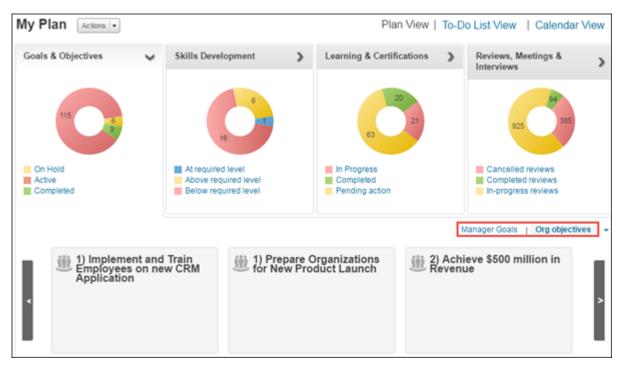


Figure 141: My Plan view

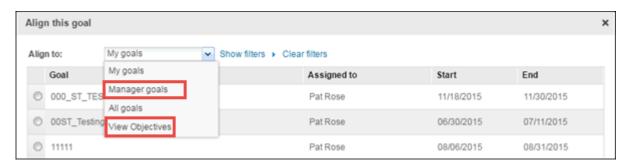


Figure 142: Align goals view

The user can now enable or disable the manager goals and org objectives as per their requirement.

People admin and HRBP can access user's plan through profile quicklinks

How did it work?

Prior to this update, the **People admin** and **HRBP** could access the following resources from the **Profile Quicklinks** section for the respective user:

- Certifications
- Curricula
- Recurring Courses

- Skills
- · Enrollments
- Completed Course
- Continuing Educations Status
- · Profile Snapshot

How does it work now?

The **People admin** and **HRBP - Performance** can now also access the user's plan i.e., Reviews, Goals, and To-Do List from the **Profile Quicklinks** section. These links will appear only when the respective service under **System > Services** are enabled. For example, the **Reviews** link will appear under this section only when the **Reviews** service under **Performance@Work** service is enabled.

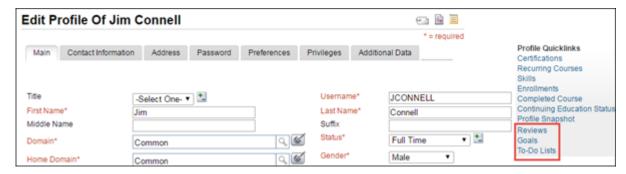


Figure 143: Profile Quicklinks

On clicking any of these links, admins will be navigated to its corresponding details page where they can drill down on each item to know more information.

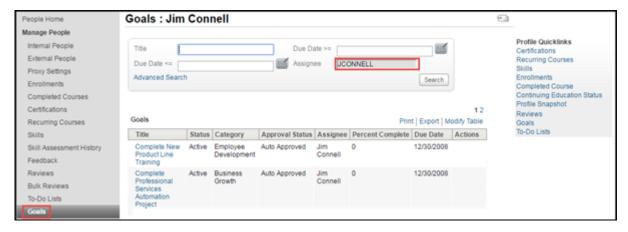


Figure 144: Goals page from Profile Quicklinks > Goals

Use case

This feature will allow the People admin and HRBP to access the user's plan items at one place. These quick links will reduce the number of clicks required to view a user's plan details.

Print To-Do List

Prior to this release, there was no provision to print the To-Do List.

How does it work now?

From this update, the user will be able to view and print the To-Do List. The print friendly view will show all the items of the list. The user must navigate to ME > To-Do List View > < To-Do List Name > > More actions > Print To-Do List.

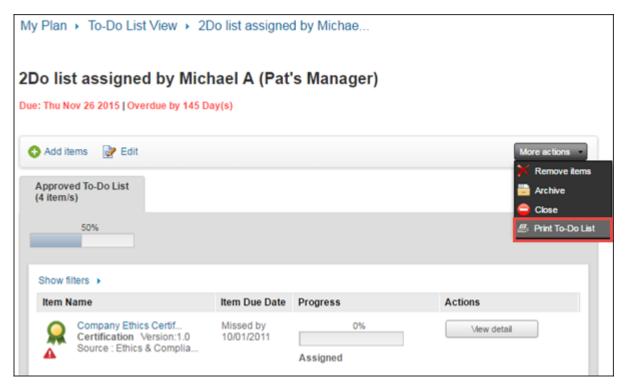


Figure 145: Print To-Do List option

A popup appears which shows all the items of the list under each section. From this popup, the user can click the **Printer Friendly View** icon and print the To-Do List.

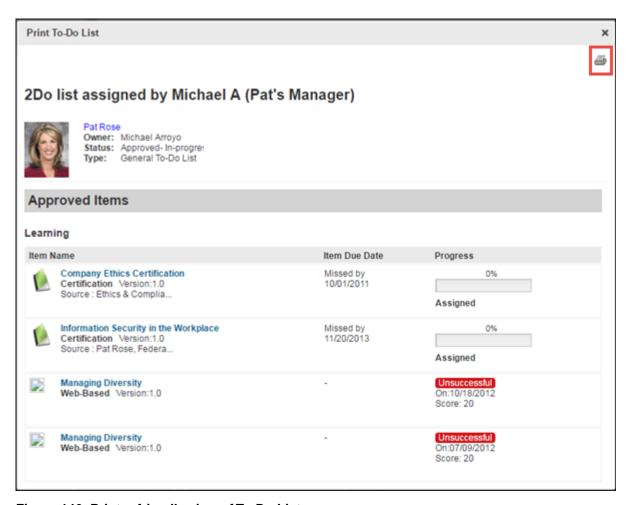


Figure 146: Printer friendly view of To-Do List

The user can now print the To-Do List with detailed information on the items in the list.

Submit newly added To-Do list items for approval

How did it work?

Prior to this update, whenever a user add items to the To-Do List, they use to appear in the **Proposed additions** tab and at the same time the notification was sent to the owner or co-owner to approve these items.

How does it work now?

From this update, the approval process has been changed. Now, once the items are added to the To-Do list, the user needs to notify the owner to approve by clicking **More actions** > **Submit for approval**.

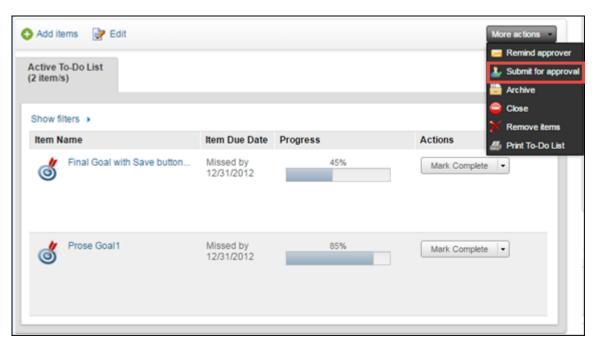


Figure 147: Submit for approval action

Once done, a notification will be sent to the owner and co-owner to approve. If the owner or co-owner are not available, then people admin has the authority to approve the items on their behalf. To do so:

- 1. Navigate to Admin > People > Manage People > To-Do Lists.
- 2. Search for the To-Do List which has items in pending approval state.
- 3. Click the To-Do List name.
- 4. Click View Pending Approvals.
- **5.** Click **Approve** to approve the items on behalf of owner/co-owner.
- **6.** Enter comments, username and password so that the audit action is tracked.

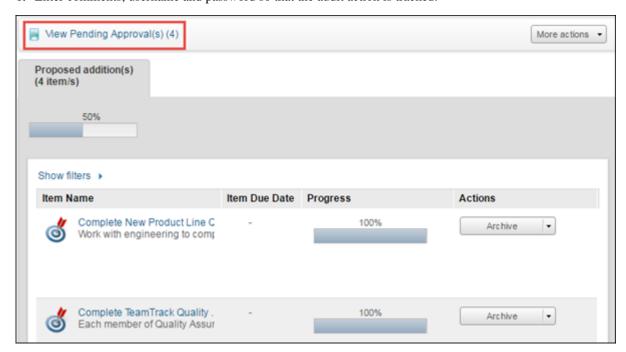


Figure 148: People admin view for To-Do List

The user can send the items for approval when ready through **Submit for approval** action. People admin can now approve the To-Do list items on behalf of owner and co-owner.

Update approval flow for goals

How did it work?

If a goal is in Pending Approval state and the user's manager gets changed, then the previous manager does not have the access to approve the goal whereas the new manager has no authority to approve the goal.

How does it work now?

From this update, the user has the ability to update the approval flow so that if the approver has changed, the new owner will have the ability to approve the goal. To do so, the user has to navigate to the goal which is in *Pending Approval* state. Then click **Update Approval Flow** from the dropdown list corresponding to the **Status** section. Click the warning sign next to **Status** to ensure that the approver is updated.

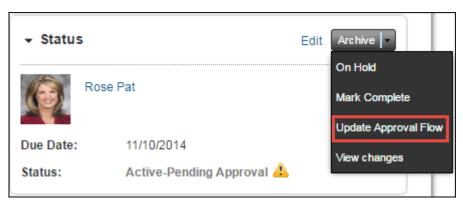


Figure 149: Update approval flow menu item

The new manager can approve the goal from the list of pending approval item through **MY TEAM > Pending Approval >** Filter by goals > **Approve** or **Reject** the goal.

If by any chance the manager is not available to approve the goal, the people admin has the authority to approve the goal on manager's behalf. To do so:

- 1. Navigate to ADMIN > People Admin > Manage People > Goals.
- **2.** Search for a goal that needs to be approved on behalf of someone.
- **3.** Click the goal title.
- 4. Click Approve Goal in the Status section.
- **5.** Enter your comments and click **Approve**.
- **6.** Enter your username, password, and comments to track the audit action, if auditing is enabled at the component level. The goal is now approved.

			Print E	xport M	lodify Tab
Action	Timestamp	Previous Value	New Value	Author	Reason
Insert	11/06/2015 5:41:06 AM	-	Goal	Rose Pat	Silent auditing
Insert	11/06/2015 5:41:06 AM	-	Shared Goal	Rose Pat	Silent auditing
Goal Submitted for Approval	11/06/2015 5:41:15 AM	-	emplo000000000001001:PROSE	Rose Pat	Silent auditing
Approval Flow action taken	11/06/2015 5:41:15 AM	Start Approval Chain	Approval workflow triggered.	Rose Pat	Silent auditing
Goal is Approved	04/27/2016 5:46:19 AM	-	emplo000000000001048:MKOSTER	Rose Pat	Silent auditing
Approval Flow action taken	04/27/2016 5:46:19 AM	INITIAL	Approved.Comment -Approved on behalf of Matt.	Rose Pat	Silent auditing

Figure 150: Audit Trail

This feature will now allow the end user to resubmit the changes for re-approval to the new approvers.

Update overall rating score via RDI

How did it work?

There was no provision to update the overall rating score for reviews in bulk.

How does it work now?

From this update, the system admin can now update the overall rating score through RDI for **active**, **completed**, and **disapproved** reviews by navigating to **System** > **Manage Integrations** > **Integration Studio** > **UI Import**. The object name is **Review Overall Score**. Once the file is imported and processed, the data as mentioned in the file will be updated in the system.



Figure 151: Update overall score via RDI

The attributes available in the Excel/CSV file are:

- 1. REVIEWCYCLE
- 2. USERNAME
- 3. OVERALLSCORE
- 4. AUDIT_REASON

The **OVERALLSCORE** field supports numeric as well as strings value as an input. If **Enable Numeric Rating** policy is disabled, then irrespective of the locale, the first rating scale name that matches with the **OVERALLSCORE** field will be considered for overriding the review score.

Use case

The admin can now update the overall rating score in bulk via RDI instead of updating it individually through review calibration.

Chapter



Talent

Topics:

- Position word changed to job in Career Planning
- Job family field on Search by Job popup
- New setting to govern the Search by person functionality in Career Planning
- Keys to Success functionality in Career planning
- UI enhancements for Career planning
- Flip boxes in N-box to people and description view
- N-box UI changes

Position word changed to job in Career Planning

How did it work?

In Career Planning, the words **position** and **job** were used interchangeably. After introducing the **Position Management** functionality, we wanted to ensure that there was no confusion between the two terms.

How does it work now?

In Career Planning, the word **position** is now changed to **job** so that there is no confusion while referring to the fields associated with the **Position Management**.

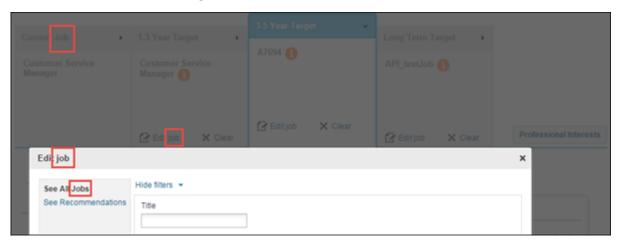


Figure 152: Term position changed to job

Use case

The word position is replaced with job so that the confusion between them is eliminated in Position Management.

Job family field on Search by Job popup

How did it work?

In Career Planning, the user could search for a job using only the **Title** filter while adding or editing a job.

How does it work now?

From this update, a new **Job family** filter is added on the **See all Jobs** page. Through this filter, the user can now search for a job using job family while adding or editing any job. On choosing the job family from the **Job family** picker, the search results will display the jobs associated with the job family.

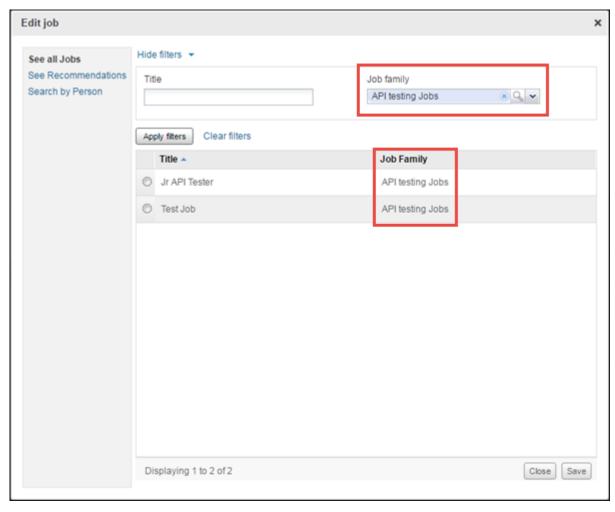


Figure 153: Job family field

Job titles are not unique amongst the functional areas. The same job title will be available in different departments, but with a different skill set. Hence, it is vital to know the job family associated with the job so that the user does not unknowingkly express an interest in a job for which he/she is not actually interested.

New setting to govern the Search by person functionality in Career Planning

How did it work?

One method that could be used by the user to select a job is searching on the name of a colleague. Upon selecting that person, the system would cross-reference their job.

How does it work now?

The **Search by person** functionality is now governed by the new **Enable Search By Person as option when adding a job** setting under **Succession@Work > Career Planning**. By default this setting is enabled.

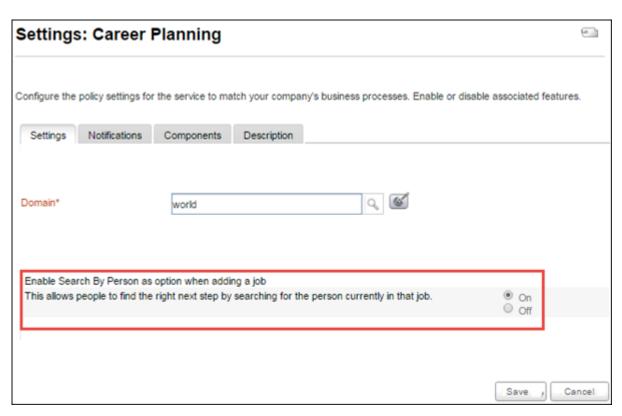


Figure 154: New setting under Career Planning

When it is enabled, the link will appear and user will able to search for a job by any person. The search will display people belonging to the user's domain. When it is disabled, the **Search by Person** link will not appear on the popup while adding or editing any job.

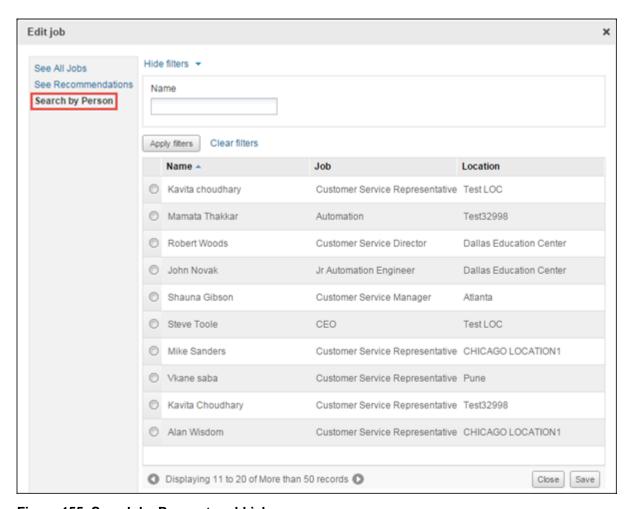


Figure 155: Search by Person to add job

Some companies have job titles that reflect different levels within a job such as Accountant I, Accountant II, Accountant III, etc, for internal purposes. These titles are not made public. Hence, the **Search by Person** functionality will help the user to find the right next job by searching for the person currently in that job. This will also suppress the visibility of others' job levels.

Keys to Success functionality in Career planning

How did it work?

In the career path, the **JOB OVERVIEW** tab of the selected job displays a detailed information on the job. There was no provision for the incumbent or their manager to comment on their job details.

How does it work now?

In this update, a new functionality **Keys to Success** has been introduced. Through this, the incumbent and manager can add more information, such as certifications and learning items required to accomplish this job or addittional responsibilities associated with this job and so on. The **Keys to Success** field is available on the **JOB OVERVIEW** tab

of the selected job. This field will be visible only when the corresponding settings are enabled in **Admin > System > Configure System > Services > Succession@Work > Career Planning**.

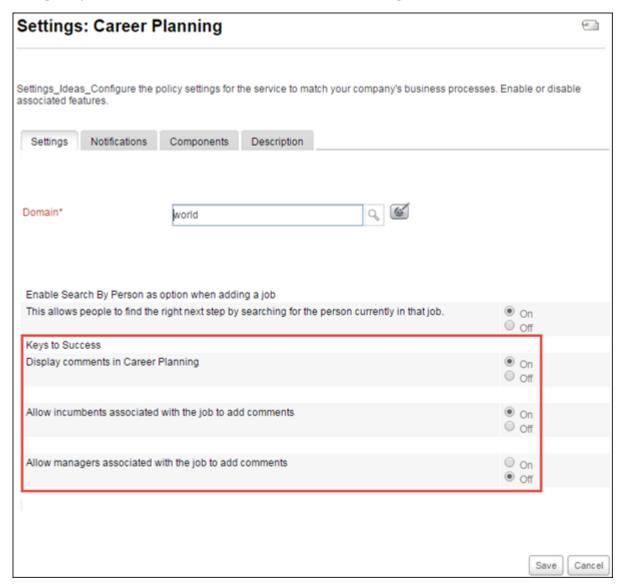


Figure 156: Keys to Success settings

The settings are:

- Display comments in Career Planning: By default, this setting is enabled. When this setting is enabled, in the JOB OVERVIEW tab, the comments will be displayed under Keys to Success section. These comments are entered by the people who have the same job title. The comments will be displayed in the JOB OVERVIEW tab of all the jobs chosen in the career path.
- Allow incumbents associated with the job to add comments: By default, this setting is disabled. When this setting is disabled, incumbents associated with the selected job, will not be able to add any comments in their paths and in others' paths. To add any comments in the career paths, ensure that this setting is enabled.
- Allows managers associated with the job to add comments: By default, this setting is enabled. When this setting is enabled, managers associated with the selected job can comment and share their experiences related to this job. If this setting is disabled, managers can view others' comments in this section, but will not be able to add their comments.

The incumbents must navigate to **Me** > **Career Planning** > **Careers** > < path-name > and select the required timeline tab (current or future job title). Then, click the **JOB OVERVIEW** tab and scroll down to **Keys to Success** section to

add their views and experiences associated with the job. If an other user with the same profile has already commented on this job, then those comments will appear as read-only. The incumbent can like and unlike any of the existing comments.

The managers must navigate to **My Team** > <team-member-name> > Career Planning > <path-name> and select the required timeline tab (current or future job title). Then, click the **JOB OVERVIEW** tab and scroll down to the **Keys to Success** section to add their views and experiences associated with the job.

Automation

- Lead & manage the QA test automation teams.
- Work closely with Druva leadership, PMs, feature test teams, developers, SDETs and define test automation requirements, plan and deliver.
- Lead and facilitate the team in resolving technical issues, roadblocks, etc.
- Mentor and evangelize Agile, Lean, and Continuous Development testing best practices such as TDD
 BDD
- Manage vendors, contracting engineers. Set the expectations and track the deliverable & quality.
- . Think through hard problems, and work with a team to make them reality.
- Ramp up the automation function to scale to meet demanding product releases with a focus on reducing the manual test efforts, increase the automation coverage and improve the quality.
- · Utilize your hands-on skills while providing leadership and strategic guidance to the teams.
- · Attract, retain and keep motivated top talent pool of automation engineers.
- · Set the goals for team leads, mentors and grow the team

Qualifications:

- 10+ years of test automation experience with testing products with the following: Python, Ruby, Java, .NET, SQL, XML, web services.
- · Experience in managing test automation teams including the framework development from scratch.
- Ability to understand complex technical details and work with cross functional group leadership.
- Excellent understanding of OOAD techniques including design patterns(nice to have).
- · Domain knowledge in any of the two: Cloud, storage, virtualization, and networking.
- Experience with all STLC activities: functional, performance, stress, etc.
- Experience with more than one of the leading open source test automation tools and frameworks such as Robot, Selenium, Watir /N, Fitness, TestNG, Behave and Cucumber etc.
- Knowledge of Agile engineering practices such as test-driven development (TDD), behavioral-driven development (BDD), and continuous integration.
- Decisive and ready to do what it takes to get the job done including going back to the design board, taking the buy in from the key stake holders and bringing the necessary organisational or technological change.

Keys to Success

Comments from the people who have experience in this job



Ben Willis: This position will be responsible for automation and controls systems design, specification, programming, simulation and testing, and start-up assistance. Automation Recruiters works with clients and candidates in the automation and controls industry.

15 minutes ago

Unlike





Yogita Desi: Automation GT offers staff members a compelling package, which includes competitive base pay and bonus opportunities, superior benefits, an outstanding work environment and opportunities for career development. Through these comprehensive offerings, every individual has the ch...more

12 minutes ago

Like

Join the discussion

Figure 157: Keys to Success section

The HR admin wants to allow employees to post helpful comments on the job associated with them. These comments will be helpful to other employees who would be interested in considering that position in the future and get a notion of things that are needed to be successful. The HR admin may also want managers of the same positions to comment as well since they will have better success stories. By enabling these setting for Career Planning, employees and their managers can now post their experiences on jobs.

UI enhancements for Career planning

How did it work?

When a user tries to add a job in the timeframe, if the added job is not in synch or in sequence with the earlier job, then a popup is shown suggesting the sequence of jobs. The jobs shown in the popup were in plain text.

How does it work now?

From this update, the popup will show the sequence of jobs correctly and the jobs will be hyperlinked. On clicking the job title, the job will be added to that timeframe.

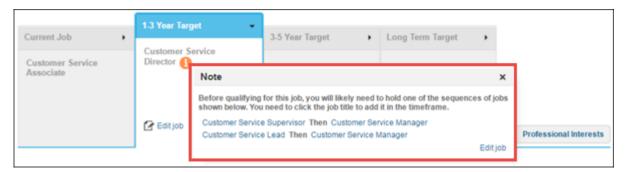


Figure 158: Updated popup for showing sequence of jobs

Use case

This enhancement improves the usability of adding jobs to timeframe.

Flip boxes in N-box to people and description view

How did it work?

In N-box, the user had to click on the count of every box to view the people names.

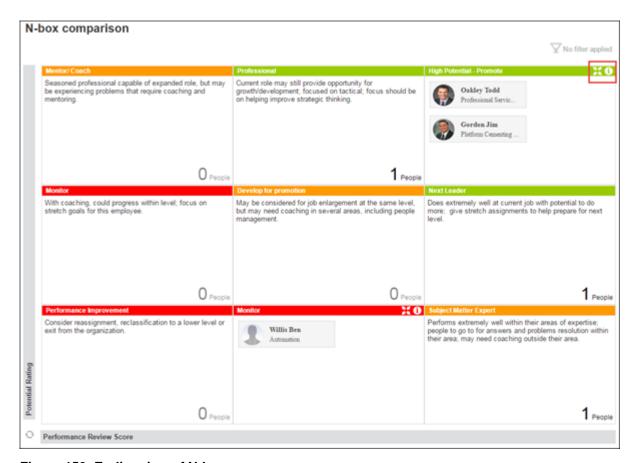


Figure 159: Earlier view of N-box

The Expand icon on the top-right corner of the box, expands the box to have a bigger view. The (i) icon flips the box to the description view.

How does it work now?

From this update, the user can see the people names in all the boxes at once. The two buttons, **Description View** and **People View** have been introduced at the top of the **N-box**. The **Description View** button will show the text in all the boxes. The (i) icon is now removed. The **People View** button will show the people names in all the boxes.

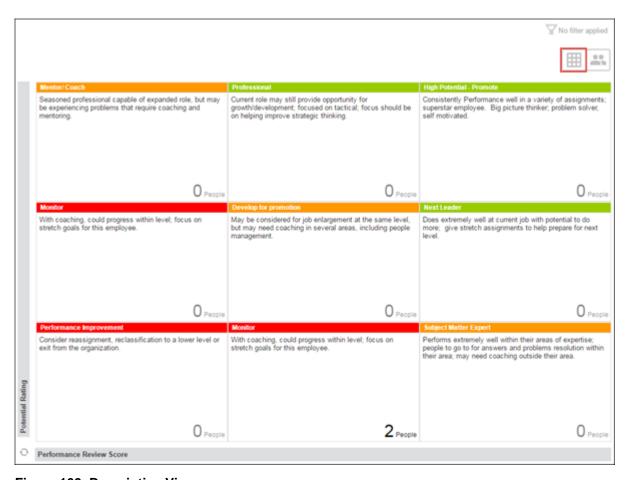


Figure 160: Description View

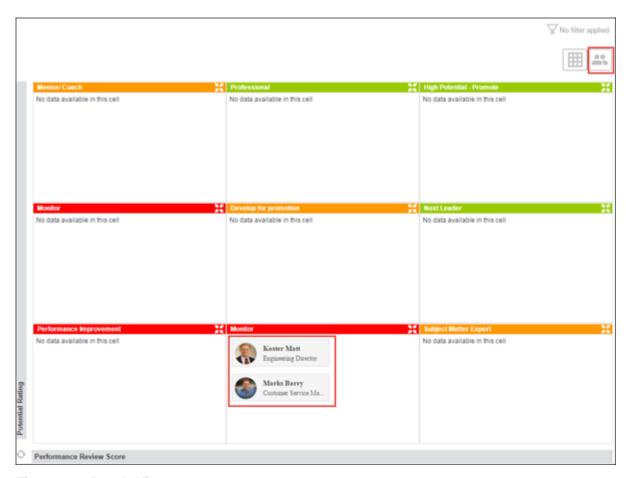


Figure 161: People View

This fix is applicable for all the N-box that are accessbile from:

- Admin > Talent > Talent dashboard > View Bench
- Admin > Talent > Talent Pools > Open any talent pool > Compare N-box
- My Team > Talent > Talent Dashboard > View Bench
- My Team > Talent > Talent Pools

Use case

A manager uses N-box functionality to compare between the team members. The manager can now use these new buttons to flip between the description and people views.

N-box UI changes

How did it work?

The complete name and job title of the person is not shown in the N-box and gets truncated and displays up to 10 characters including ellipsis.

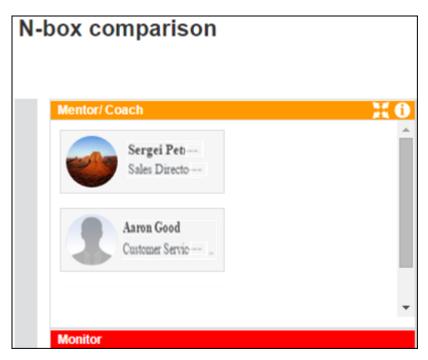


Figure 162: Old UI of N-box comparison



Figure 163: Old UI of N-box

How does it work now?

In this update, the character length of the person's name is now increased from 10 to 19 characters including ellipsis. The character length of the person's job title is now increased from 13 to 22 characters including ellipsis.

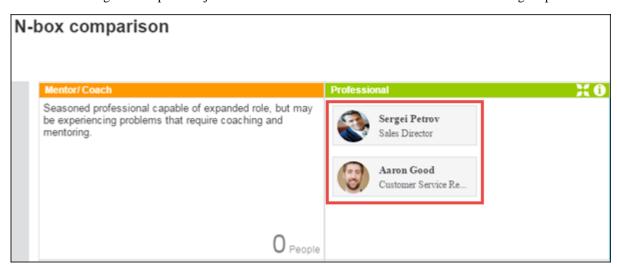


Figure 164: New UI of N-box comparison



Figure 165: New UI of N-box

The N-box must provide an unobstructed view of each plotted person's name. Hence, the box size as well as the number of characters that appear on the name and job title lines within each box has been increased to make it readable.

Chapter

7

Recruiting

Topics:

- Additional keywords in offer letter
- Assessment data prefilled when candidate applies for another job
- Default values in the component attributes
- Upgraded LinkedIn social authentication APIs
- New fields on the job requisition wizard
- Notification triggered when candidate status is changed to hired
- Two step job application process for internal candidates
- UI enhancements in job requisition and job offer
- UI enhancements in the Hiring Team view
- UI enhancements

Additional keywords in offer letter

How did it work?

Prior to this update, only the following keywords can be added to the offer letter:

- Career_Site_URL
- Salary
- Req_Job
- Req_HiringManager
- · Candidate_Name
- Rejection_Reason
- SalaryCurrency
- Req_Title
- ApprovedORRejected_Reason
- Req_OrganizationName
- Req_EmploymentType
- Req_Description
- Req_No
- HR_Partner
- ApprovedORRejected_By
- · Req_JobFamily
- Req_Qualification
- Status

How does it work now?

From this update, the hiring manager and recruiting admin can now add the following new keywords in the offer letter:

- Job_Location
- Job_Start_Date
- Signon_Bonus_Amount
- Monthly_Recoverable_Draw_Amount
- Number_of_Months_Recoverable_Draw
- Monthly_Nonrecoverable_Draw_Amount
- Number_of_Months_Nonrecoverable_Draw
- · Options_Offered
- RSU_Offered
- Relocation_Amount
- Additional_Pay_Amount

To add the above keywords in the offer letter, navigate to **Admin > Recruiting > Manage Job Offers > Offer Letter Templates > New Offer Letter Template**, select the keyword from the **Keywords** dropdown list and then click **Add**.

Use case

The hiring manager or recruiting admin will now be able to use the full fledged offer letter wizard to generate offer letters for the candidates.

Assessment data prefilled when candidate applies for another job

How did it work?

An assessment can be repeated in multiple job requisitions. Therefore, when a candidate is applying for another job within the same company, the candidate had to retake the same assessment again.

How does it work now?

The candidate still has to retake the assessment but the assessment data will be now pre-filled with the information added during the earlier job application process. The candidate can either modify or use the same answers.

Note: If the Assessment version is upgraded, then the assessment will be considered as a new assessment and the answers will not be pre-filled.

Use case

The candidate does not have to enter the data in the assessment again as it will be pre-filled with the previous data. This enhancement improves the candidate's experience.

Default values in the component attributes

How did it work?

Prior to this update, some attributes in the components of the Recruiting service had the Default Value field but, it was not editable and for few the field was not available.

How does it work now?

In this update, the **Default Value** field has been added to the following attributes on their respective components. If the field was already available for any of the attributes, then the field is now made editable. The system admin can add an appropriate value in this field and the same will be populated on the UI. For example, if there are some fields which are set as mandatory on Step 2 of the Job offer wizard, then the default values for those fields need to be provided or else the user will not be able to save the information on the Step 1.

Attributes on Job Requisition Template:
EEO Job Category
Category Visibility
Company Description
Company Description Visibility
Compensation Displayed to Candidates (Public)

Attributes on Job Requisition Template:
Compensation Visibility
Default Template
Job Description
Description Visibility
Education Qualification
Type of Employment
Employment Type Visibility
Google Map Widget
HR Partner
HR Partner Visibility
Industry
Industry Visibility
Interviewers Visibility
Job Advertisement Style
Job Ad Style Visibility
Maximum Experience
Max Experience Visibility
Minimum Experience
Min Experience Visibility
Notes
Notes Visibility
Organization
Organization Visibility
Pie Chart SM Visibility
Plain Text SM Visibility
Progress Bar SM Visibility

Attributes on Job Requisition Template:
Qualification
Qualification Visibility
Recruiter Visibility
Requires Travel
Requires Travel Visibility
Screeners Visibility
Domain
Status
Template Stage Visibility
Template Name
Unpublish Days
Unpublish Days Visibility
End Of Month
Unpublish End Of Month Visibility
Auto-Unpublish
Unpublish Type Visibility
Attributes on Offer Letter Template:
Default Template
Title
Attributes on Job Requisition
Publish to
Approved On
EEO Job Category
Company Description
Compensation Displayed to Candidates (Public)
Cost center

Attributes on Job Requisition
Job Description
Education Qualification
Type of Employment
Hiring Manager
HR Partner
Industry
Is EEOC Required
Mark the external job posting featured
Mark the internal job posting featured
Job Advertisement Style
Job Family
Job
Location
Compensation Displayed to Candidates (Public)
Maximum Experience
То
Salary (mid)
Minimum Experience
From
Number of Hires
Notes
Published On
Qualifications
Referral Bonus
Referral Bonus Currency
Allow Cover Letter

Attributes on Job Requisition				
Requires Resume				
Requires Travel				
Salary Currency				
Salary				
Submitted On				
Job Title				
Unpublish Days				
Auto-Unpublish				
Attributes on Job Offer				
Additional Pay				
Reason for Additional Pay				
Agency Currency				
Agency Name				
Approved On				
Offer Comments				
Employment Type				
Hiring Manager				
Requires Incentive Plan?				
Is Internal Hire?				
Additional Pay Amount				
Agency Fee				
Monthly Non-recoverable Draw Amount				
Monthly Recoverable Draw Amount				
Offered Salary				
Offer Status				
Referral Bonus Amount				

Attributes on Job Offer
Referral Source
Relocation Amount
Sign-on Bonus Amount
Start Date
Location
Internal Mentor
Number of Months Non-recoverable Draw
Number of Months Recoverable Draw
Non-recoverable Draws
Offer Currency
Offer Letter
Offer Letter Template
Options Offered
Pending Visa Approval
Recoverable Draws
Referral Bonus Currency
Referral Source Notes
Is Rehire?
Employee
Rejection Reason
Relocation
Requisition Candidate
RSU
RSU Offered
Sign-on
Reason for Sign-on Bonus

Attributes on Job Offer
Stock Options
Submitted On
Offer Title

System admin can now configure the default values of the component attributes in Recruiting.

Upgraded LinkedIn social authentication APIs

How did it work?

There was a need to upgrade the LinkedIn Social Authentication APIs to support the latest keys generated by LinkedIn for authentication.

How does it work now?

The LinkedIn social authentication API keys are now upgraded from socialauth-4.5.jar to socialauth-4.11.jar.

Use case

The candidates will now be able to apply for a job through LinkedIn seamlessly.

New fields on the job requisition wizard

How did it work?

The custom fields in the job requisition wizard were used to add additional information.

How does it work now?

From this update, the following fields are now added in the Job Details tab of the job requisition wizard:

- **Hire Type**: Allows the admin and hiring manager to choose the hire type for the job requisition. The options are:
 - · Replacement Hire
 - New Hire (default value)
 - Other
- Employment Classification: Allows the admin and hiring manager to choose the appropriate employee classification for this job requisition. As per *Fair Labor Standards Act (FLSA)*, the employees need to be classified as eligible or ineligible for overtime pay and they can be referred as either being exempt or non exempt based on the Act's provisions. The options are:
 - Exempt

- Non Exempt
- Not Mentioned (default value)
- **Advanced Settings** > **Business Justification**: Allows the admin and hiring manager to mention the information related to the need for this job requisition. The character limit of this field is 256.

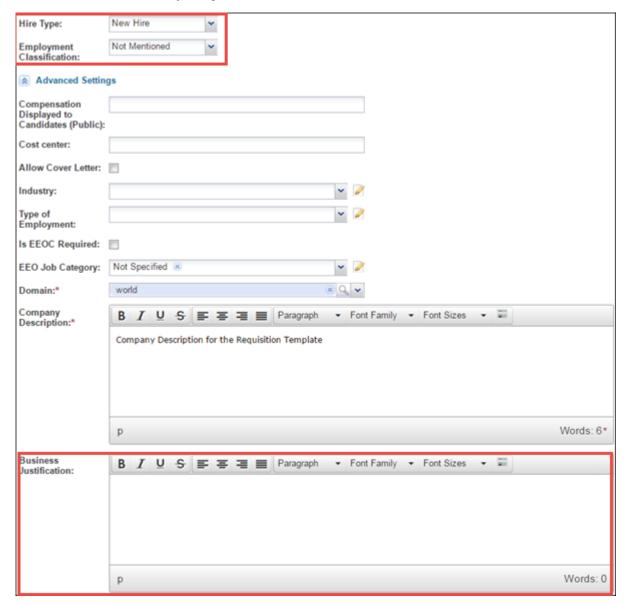


Figure 166: New fields on job requisition wizard

The most commonly used fields which were earlier added as custom fields will now be available upfront in the job requisition wizard.

Notification triggered when candidate status is changed to hired

How did it work?

When a candidate is **Hired** in the Hiring Team view, the people associated with that requisition were notified. But there was notification to notify when candidate's status is changed to **Hired**.

How does it work now?

In this update, a new notification event **Candidate is marked as hired** has been added under **Services** > **Recruiting@Work + Internal Opportunities** > **Notifications**. By default, this notification is enabled. The keywords associated with this notification are:

- @Recruiting ReqCandidate Candidate Name@
- @Recruiting_ReqCandidate_Candidate_Status@
- @Recruiting_ReqCandidate_City@
- @Recruiting_ReqCandidate_Country@
- @Recruiting_ReqCandidate_Date_Of_Birth@
- @Recruiting_ReqCandidate_Executive_Summary@
- @Recruiting_ReqCandidate_First_Name@
- @Recruiting RegCandidate Home Phone@
- @Recruiting_ReqCandidate_Last_Name@
- @Recruiting_ReqCandidate_Mobile_Phone@
- @Recruiting_ReqCandidate_ReqSalaryCurrency@
- @Recruiting_ReqCandidate_Salary_Requested@
- @Recruiting_ReqCandidate_Skills@
- @Recruiting ReqCandidate Spoken Language@
- @Recruiting_ReqCandidate_State@
- @Recruiting ReqCandidate Zip@

Note: Along with the above keywords, this notification also has keywords from the Candidate Job Offer Accepted notification.

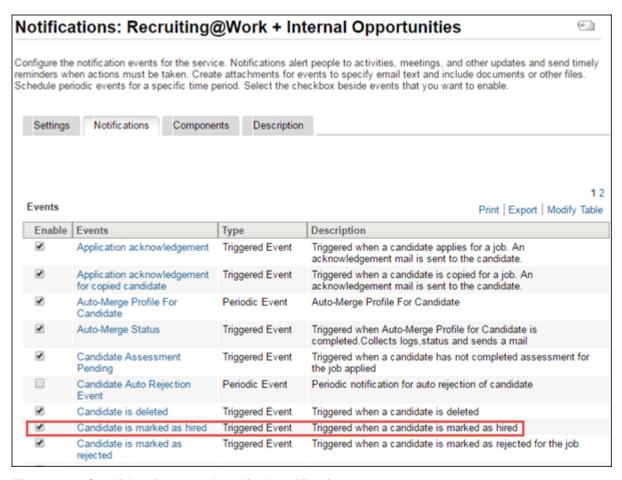


Figure 167: Candidate is marked as hired notification event

The system admin can choose the required keywords and draft the message subject accordingly.

When the candidate's status is changed to **Hired** in the Hiring team, then this notification will be triggered. An email will be sent only to the hiring manager and recruiter associated with that requisition, to their mailbox.



Figure 168: Candidate marked hired notification email

In addition to this, the admin can configure this notification with Webhook action as well. By doing this, when the notification is triggered, the information will be transmitted seamlessly into the third party systems like HRIS.

Use case

The system admin can now create a Transmit and Webhook notification for marking the candidate as **Hired**. As a Transmit action, a notification will be sent to hiring manager and recruiter. As a Webhook action, the data will be transmitted to HRIS systems.

Two step job application process for internal candidates

How did it work?

Prior to this update, the job application wizard for internal employees was a 4 step wizard. The certain fields from this wizard were not required for internal employees as they were redundant.

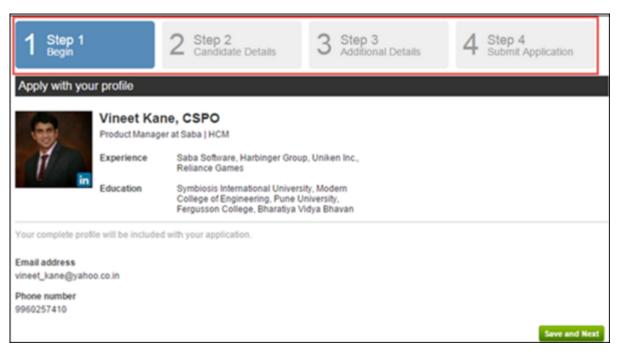


Figure 169: Older job application wizard

How does it work now?

The job application wizard for internal employees is now a two step wizard where the internal employee has to only upload or paste the resume on Step 1 and mention additional details on Step 2 like taking the assessment, adding links to videos or blogs that will showcase your talent, and your current timezone.

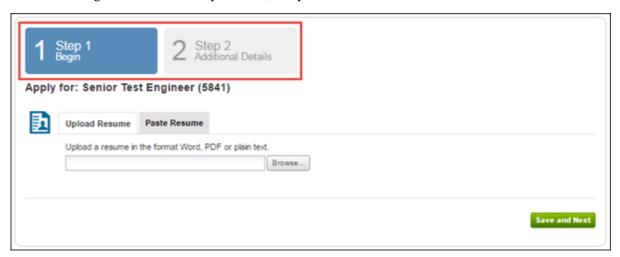


Figure 170: New job application wizard for internal employees

Use case

The wizard is changed to avoid showing duplicate and redundant information.

UI enhancements in job requisition and job offer

How did it work?

N/A

How does it work now?

In this update, the following UI enhancements are made in the job requisition and job offer.

Job requisition:

- 1. The custom fields are now removed from the job requisition template.
- 2. If **HireRight** is not enabled in the Marketplace and the recruiting admin clicks **I-9 Dashboard** on **Manage I-9 Verifications**, then the *To activate this functionality, please enable the vendor HireRight in the Marketplace*. error message will be shown to the admin on the UI.
- 3. The recruiting admin, hiring manager, and recruiter can now delete the job requisition in a *Draft* state. Navigate to **Recruiting** > **Admin** > **Job requisitions** > Search for a requisition in *Draft* state > **Actions** menu > **Delete** and delete the requisition.



Figure 171: Delete job requisition

4. The recruiting admin and recruiter can now activate a job requisition template if it is in an Inactive state. Navigate to Recruiting > Admin > Manage Job Requisition Template > Search for a requisition template in Inactive state > Actions menu > Activate and activate the requisition. Once the job requisition template is activated, it will appear while creating job requisition.



Figure 172: Activate job requisition template

- **5.** The recruiting admin can now add approvers in the approval chain of the job requisition at once. The admin now doesn't need to keep saving the details before adding another approver.
- **6.** When the system rejects the candidate through the auto reject periodic notification, then on the activity stream the message will be displayed as *Candidate John Millers has been auto-rejected for the job requisition Automation Testing* (4772)..

7. When the recruiting admin and hiring manager selects the **Location** in the job requisition template, then on the **Job Boards & Services** tab, the Location and Salary Type fields gets mapped smartly. It shows the corresponding country in the **Location** field and supported salary type in the **Salary Type** field.

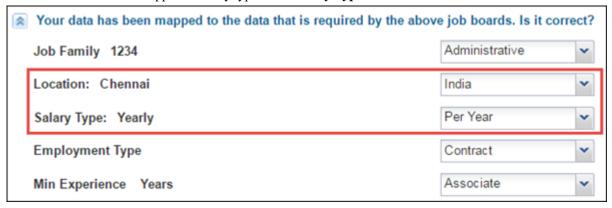


Figure 173: Mapped data on Job Boards & Services tab

Job offer:

1. When the hiring manager sends an offer to a candidate, a notification sent to the candidate now shows the job offer title instead of job requisition title.



Figure 174: Job offer notification sent to candidate

2. In the Job offer wizard > Candidate Information tab, a new Others option has been added under the Referral Source field for internal candidates. The recruiting admin or hiring manager can click this option when the internal candidate is referred by resource other than Employee.

First Name:	Sheetal Kadam
Last Name:	Person
Address:	
Address 2:	
City:	
State/Province:	
Zip Code:	
Country:	
Home Phone:	
Email:	
Background Check	New Screening View status
Is Internal Hire?	
Is Rehire?	
Referral Source:	Employee Other

Figure 175: Job offer wizard

These enhancements improve the usability of job requisition and job offer.

UI enhancements in the Hiring Team view

How did it work?

Prior to this update, the following issues were seen on the Hiring Team view:

- 1. On the Interested tab, the default sorting is Percent Fit.
- 2. The **Hiring Recommendations** portlet is shown blank to the interviewer.

- 3. The Mark Hired action is not shown on the Candidate details view.
- 4. Need Share this button to share the job on any social networking site other than the ones mentioned in the portlet.
- **5.** On the **My Interviews** portlet, the interview time is displayed correctly i.e., in candidate's time zone but, in the detailed view, the time zone is displayed in the hiring managers time zone.

How does it work now?

In this update, the following changes are done for the Hiring Team view:

- 1. On the Interested tab, the default sorting will be by Interested status instead of Percent Fit.
- **2.** The **Hiring Recommendations** portlet is now hidden for the interviewer.
- 3. The Mark Hired action is now available in the Actions dropdown list on the Candidate details page.
- **4.** The **Share this** button is now added in the **Share this Job on Social Networking Sites** portlet so the hiring team member can share the job on any social networking site.
- 5. On the My Interviews portlet, the interview time in the detailed view is now displayed in candidate's time zone.

Use case

N/A.

UI enhancements

How did it work?

N/A

How does it work now?

In this update, the following UI changes are made:

1. The How did you find us? field will be now shown only to external candidates and not internal candidates.

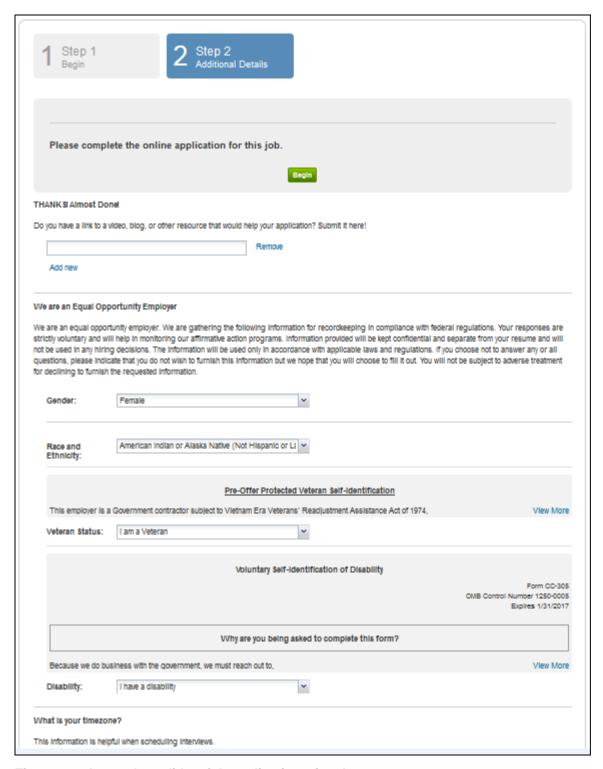


Figure 176: Internal candidate job application wizard

2. The character limit of **Experience** and **Skills** widget on the **Job Requisition Summary** and **Job Ad Preview** screen has been increased from 7 to 50 characters.

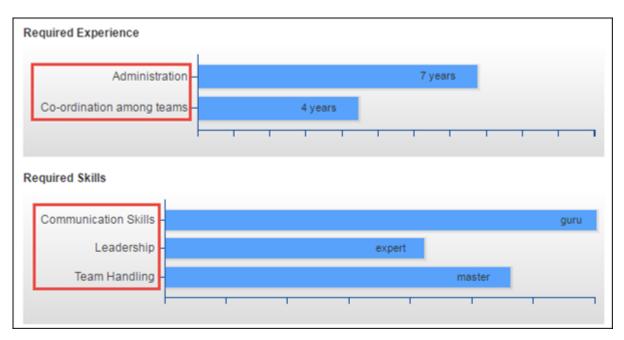


Figure 177: Experience & Skills widget

- 3. The New Job Requisition button is now shown in the My Job Requisitions portlet on the Home page.
 - Note: This button will appear only for those users, who have the privilege to create requisitions.

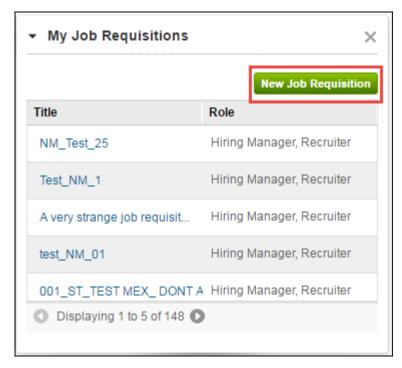


Figure 178: My Job Requisitions portlet

4. The icons for the internal and referral candidates on the Hiring Team view have been updated.

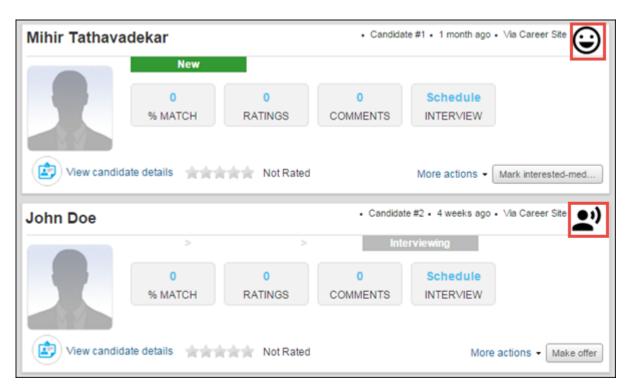


Figure 179: My Job Requisitions portlet

These enhancements improve the usability.

Chapter

8

Compensation

Topics:

- Approved status for plan cycle
- Compensation letter enhancements
- New settings to show hide compensation statements and letters
- People Snapshot Manager
- Usage of manager hierarchy snapshot
- UI enhancements on budget distribution for managers

Approved status for plan cycle

How did it work?

Prior to this update, the compensation letters with Active status can be marked as Completed.

How does it work now?

In this update, a new status **Approved** has been added to the plan cycle so that once all the manager worksheets are approved, the plan cycle will be moved from **Active** state to **Approved** state. Compensation admin can publish letters to the manager only if the plan is in **Approved** state. Once it is published, the compensation admin can release the letter to the employee.

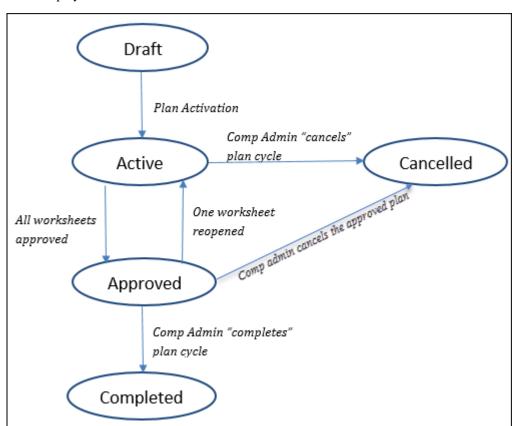


Figure 180: Compensation plan cycle

Once the plan cycle is approved, the compensation admin can mark the plan as completed. Hence, the **Close Plan** option is now renamed to **Complete Plan Cycle**.

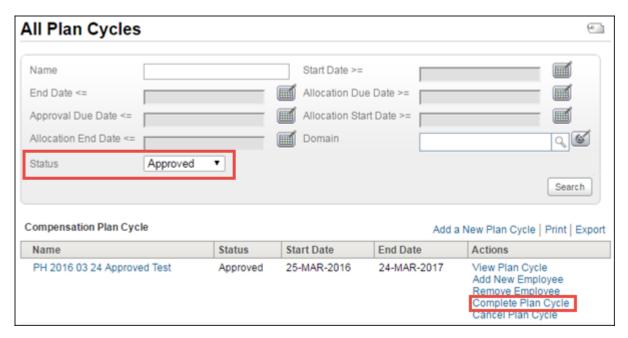


Figure 181: Complete the approved plan cycle

The plan cycle will now moved to **Approved** state only if the manager worksheets are in **Approved** state and only then the compensation letters will be published to the manager.

Compensation letter enhancements

How did it work?

Prior to this update:

- 1. Under Manage Letters > Letter Templates, there was provision to upload letter templates.
- 2. Under Manage Letters > Generate Letters, there was provision to create new compensation letters.

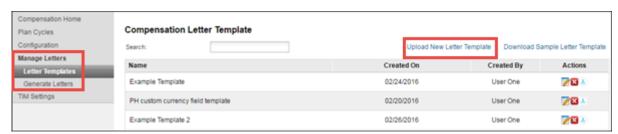


Figure 182: Old view of Letter Templates

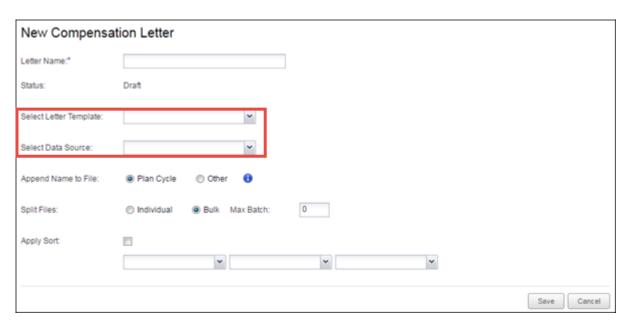


Figure 183: Compensation letter creation view

How does it work now?

In this update, the letter templates and compensation letter feature is combined into one so under **Manage Letters** > **Compensation Letters**, user can download the sample letter template, change it as per the requirement and upload the same while creating a new compensation letter.

Note: There is no seperate provision of uploading the letter templates.



Figure 184: Manage Letters > Compensation Letters

In the **Create New Letter** view, the **Letter Template** field is changed where the user will navigate to add the letter template. The **Select Data Source** label is changed to **Plan Cycle**.

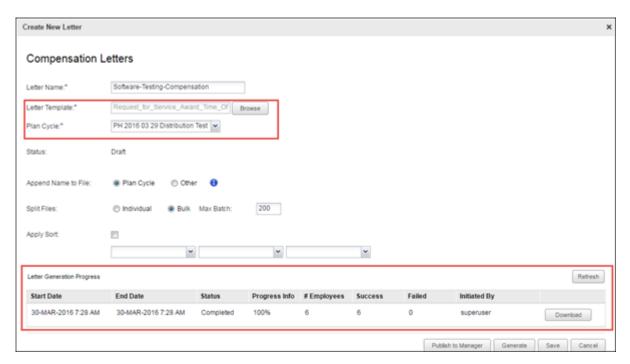


Figure 185: Create New Letter view

Once the information is added and generated, the **Letter Generation Progress** section appears which will show the generation progress and the **Download** button to download the generated letter. The rest of the functionality like publishing to manager > releasing to candidate remains the same.

Use case

The improved compensation letter creation and generation process is simplified for compensation admins.

New settings to show hide compensation statements and letters

How did it work?

The user's profile page shows all the compensation statement and the letters. There was a need to choose whether to show or hide these under the **Profile** page.

How does it work now?

From this update, the admin can choose whether to show or hide the compensation statements and letters from employees and managers. To do this, the following new settings have been introduced in **Admin > Configure System > Services > Compensation@Work > Settings**:

- **Hide Compensation Statements** If this setting is enabled, then the entire **Compensation Statements** section under the user's **Profile** page will not be displayed. By default, this setting is disabled.
- **Hide Compensation Letters** If this setting is enabled, then the entire **Compensation Letters** section under the user's **Profile** page will not be displayed. By default, this setting is disabled. If it is disabled and the compensation letter is not released to the employee, then the *Compensation Letters have not been Released to Employees*. Are you sure you want to close the Plan? warning message will be shown on the **Close Plan** step of the plan cycle wizard.

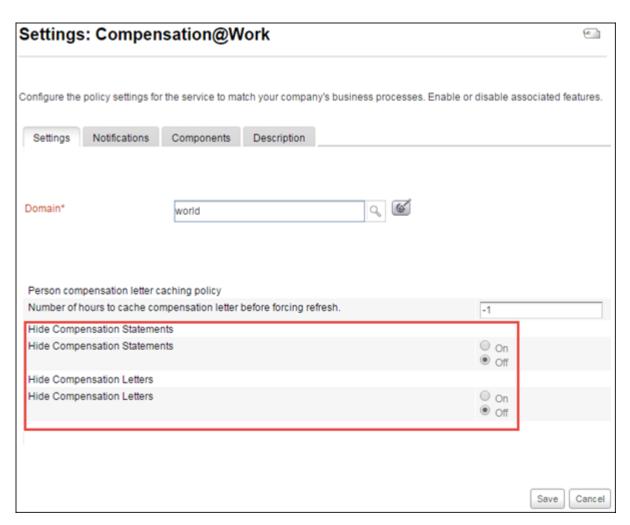


Figure 186: New settings to hide compensation statements and letters

Based on the selection of settings, the compensation statements and letters will be shown or hidden in the employee's Profile page.

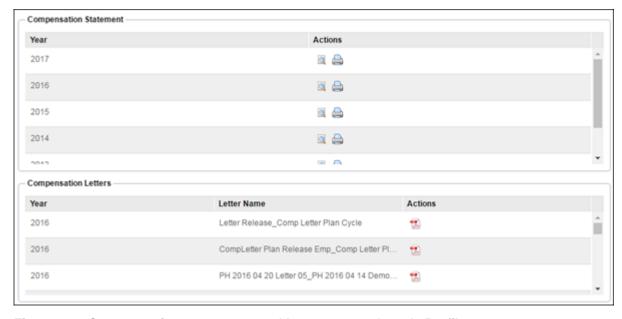


Figure 187: Compensation statements and letters on employee's Profile page

The compensation admin has now greater control to determine whether to use compensation statements or letters for their process or not. Hence, the compensation admin can now show or hide the statements and letters from employees and managers to avoid any confusion.

People Snapshot Manager

How did it work?

The compensation admin could take a snapshot of people profile only during the plan creation process via **Import Data** > **Create New Snapshot**.

How does it work now?

From this update, the compensation admin can now also take a people snapshot before creating the compensation plan. The admin can navigate to **Configuration** > **People Snapshots** and click **Create New Snapshot**. The snapshot is created with the current date and time stamp. Once the snapshot is created, its details will be shown on the **People Snapshot** page. If any snapshot creation fails, an icon to download the error log will appear in the **Actions** column.



Figure 188: People Snapshot

The compensation admin can use these snapshots while creating the compensation plan in **Import Data** > **People Snapshot**. By default, the latest snapshot will be selected in the **People Snapshot** field, but the admin has the privilege to choose another, if required.

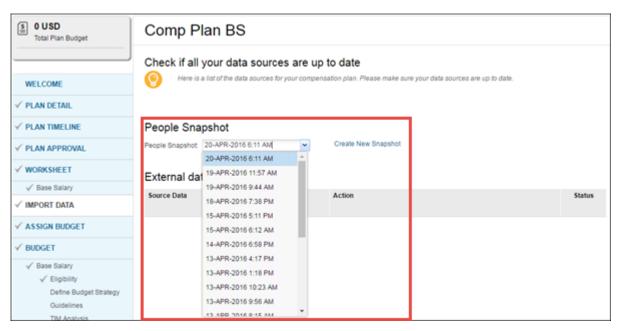


Figure 189: People Snapshot

The compensation admin can now create a snapshot before and use the same in the compensation plan.

Usage of manager hierarchy snapshot

How did it work?

During the plan creation if a snapshot is taken through **Import Data** > **People Snapshot**, then the manager from the snapshot is accountable for the activities related to the plan. However, if the manager is changed after taking the snapshot, then the new manager is considered for managing the plan activities.

How does it work now?

From this update, the manager from the snapshot will perform the activities that are needed once the plan cycle is created. Some of the activities are:

- · Distributing budget to managers
- Owning the worksheet containing employees
- Identifying the managers at each level

Use case

After taking the snapshot if the user's manager is changed, then the snapshot manager will manage the plan activities.

UI enhancements on budget distribution for managers

How did it work?

There was a need to improvise the Budget distribution page.

How does it work now?

The following changes are done on the plan cycle wizard and the budget distribution process:

- The Assign Budget step in the New Plan Cycle wizard is now moved to the plan cycle level instead of component level. This means that if a plan cycle has two or more components, then on the Assign Budget step, the settings will be selected only once and they will be applicable to all the components. These settings will then determine how the budget will be distributed for every component.
- 2. The manager at the 1st level can distribute the budget as follows:
 - If the level 1 manager selects the **Distribute budget to direct reports who are managers** option, only Level 2 managers will be displayed. If the Level 2 managers do not have any eligible employees, then that manager will not be displayed in the list. If the Level 2 managers have any eligible employees, his/her's name appear in the list and they can distribute the assigned budget accordingly. The Level 2 managers have to allocate all the funds that are assigned.
 - If the level 1 manager selects the **Distribute budget to direct and indirect reports who are managers** option, then only those managers will be displayed who have eligible employees for budget distribution and plan creation.
- **3.** If there is only one component, then the **Back** button is disabled so that manager doesn't go to first step. But, if there are more than one components, then the Back button is enabled from the second component onwards.

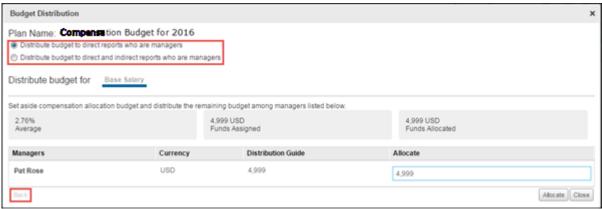


Figure 190: Budget distribution by 1st level manager

- **4.** The **Direct Reports** link will appear in the Manager's worksheet only if the higher level manager has selected **Distribute budget to direct and indirect reports who are managers** on the **Budget Distribution** screen.
- **5.** If the compensation admin distributes the funds directly to all the managers, then a **Senior Manager** with no eligible direct reports will not be able to access their own plan worksheet, but they can view plan worksheets for their direct and indirect reports who are managers with eligible reports.
- 6. If the compensation admin has selected any level in <Level> managers in the organization chart and the Manager can distribute budget checkbox on the Assign Budget step, then:
 - a. If a manager is a Senior Manager, then the status of the manager plan's worksheet will be in Pending Distribution status. Once the second step of the wizard is completed, then the Plan Worksheet status changes to Allocation in Progress.

- **b.** If a manager is not a **Senior Manager**, then the direct manager will be in charge. Hence, the status of the plan's worksheet will be in **Allocation in Progress** status.
- 7. If a **Senior Manager** with no eligible direct reports manually distributes the budget to direct and indirect reports, then he/she can access the manager plan's worksheet from **My Team** > **Compensation**.
- 8. On the first step of the distribution wizard the labels are corrected.

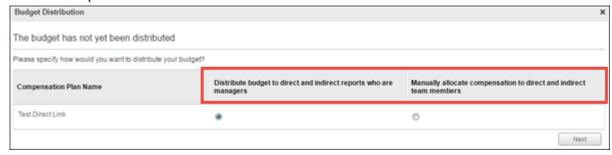


Figure 191: Changed labels on the distribution wizard

9. All funds assigned on the Level 1 manager's distribution screen should be allocated to their direct and indirect managers. Thus, the Funds Assigned and Funds Allocated must be same, before Senior Manager saves and proceeds. The distributing manager cannot have any funds left in Funds Assigned. The Allocate button is enabled. But the Senior Manager cannot proceed until Funds Assigned matches with Funds Allocated. An error is shown on the popup.

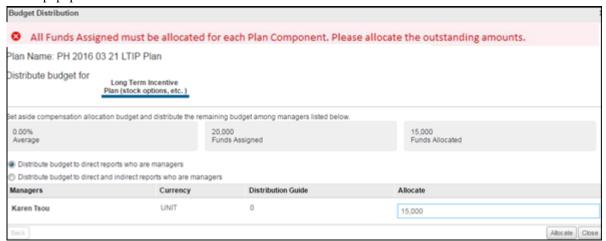


Figure 192: Error when funds are not allocated completely

10. The amounts displayed in the manager's distribution budget flow, Funds Assigned, Funds Allocated, and Distribution Guide are truncated to the number of digits selected in the Budget Scale field of the component.

Use case

Compensation admins can choose whether or not to allow their managers to re-distribute budgets, but their decision applies to all the plan components identically. The updated processes ensure consistency in handling of budgets, distribution, and allocation.