What's New

Saba Cloud | Update 45 | Nov 2019

Published: 10/01/2019
Part Number: G-SC-U45-1

Contents

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Change log

The below table summarizes the list of changes introduced in a particular version of this document.

Table 1: Summary of changes

Version	Date	Change description	Functional area	Feature
1.0	01-Oct-2019	Initial version	N/A	N/A

New features at a glance by functional area

The following table summarizes the list of features introduced in the November 2019 release and their potential impact on your environment.

- **On by default** does not necessarily 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, and so on.
- NEW indicates a new feature introduced in this update. Others are enhancements or changes to the existing functionality.

UI Enhancements

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Enhancements to portlets	Y				End user
Skip navigation and jump to the main content for Web accessibility	Y				End user
Change background color of the IA menu	Y				System admin End user
Responsive layout in the Rich Text Editor	Y				System admin End user

Analytics

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Insights by Domain		Analytics admin			Analytics admin Analytics user

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Saba Analytics's new user interface	Y				Analytics admin Analytics user
Insights - What is the total revenue achievement?	Y				Ecommerce admin Analytics admin Analytics user
Insights - Which are the top selling catalog items?	Y				Ecommerce admin Analytics admin Analytics user
Insights - When are people in my team most engaged in self-directed learning?	Y				Analytics admin Analytics user Manager
Insights - What is our Saba Meeting Usage?	Y				Analytics admin Analytics user Meeting admin
Insights - Which are the trending topics in self-directed learning?	Y				Analytics admin Analytics user Learning admin
Insights - Reports	Y				Ecommerce admin Analytics admin Analytics user
Team Skill Level Historical Comparison Report	Y				Analytics admin Analytics user
Attributes of type float to support range operator	Y				Analytics admin Analytics user

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Password protect attachments of report subscriptions		Analytics admin	Y For Passcode service	Y	Analytics admin Analytics user
New Attributes NEW	Y				Analytics admin Analytics user
Aggregation functions for custom metrics	Y				Analytics admin Analytics user
Additional delimiters for custom dimensions	Y				Analytics admin Analytics user
Use custom fields from Person and Organization for charts	Y				Analytics admin Analytics user
Grouped Radar chart	Y				Analytics admin Analytics user
Round custom metric values	Y				Analytics admin Analytics user
Control access to talent data			Y		Analytics admin Analytics user Talent admin

Ecommerce

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Introducing hosted checkout for Cybersource, PayFlow, and Stripe		System ad~ min			System admin End user

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
New Check Out page for Man~ agers		System ad~ min	Y		System admin End user

Learning

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
New Per Choice feedback option for test questions NEW		Assessment admin			End user
Modern content player enhance~ ments	Y				End user
Deprecated Content microsite properties			Y		System admin
New named queries to notify mandatory learning	Y	System ad~ min			End user Manager
New notifications for discontin~ ued courses of registered users NEW	Y	System ad~ min			End user
New notification to inform when content is added to completed registrations NEW	Y	System ad~ min			End user Manager
New named queries for position incumbents	Y	System ad~ min			End user
Improved Assign Learning page for Managers	Y	System ad~ min			System admin Managers End user
Changes to a notification for certification/curricula	Y	System ad~ min			End user
Ability to schedule Person re~ sources on changes to sessions	Y				Learning admin

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Ability to completely delete a recurring course from a user profile		System admin			People admin Local Learning Registrar
Display recurring courses in reacquisition required status in your Completed Learning	Y				End user
Position manager available in registration approval workflow	Y	Learning admin			Position manager
Enhanced pages now available for scheduled classes NEW	Y	System admin			End user Manager
Registration deeplink enhancements for enhanced pages	Y				End user Manager
Ability to check completion of pre-requisite courses	Y				End user
Send private messages through the enhanced task details page	Y				End user Manager
Web 2.0 action support on enhanced pages NEW		System admin			End user
Profile card now available on enhanced pages	Y				End user Manager
Evaluations now available on enhanced class details page NEW	Y	Learning admin			End user
CE credits now available on enhanced pages	Y	System admin			End user
Submit a simple learning request from enhanced course details page		System admin			End user
New default image for courses created via simplified workflow	Y				End user
Use custom fields for learning class request	Y	System admin			End user Manager

Marketplace

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Enhancements to Workday connector on page 106		Marketplace admin			Marketplace admin, End user
Enhancements to UltiPro connector on page 107					Marketplace admin, End user
Connector for Saba Hub on page 107	Y				Marketplace admin, End user

me:time

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
me:time NEW		System admin	Y		End user me:time SME Content admin Learning admin

Meeting

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
New Meeting Home page NEW	Y				Meeting admin
Provide access to Virtual Classroom events	Y				End user

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
New Webinar Leader security role NEW		System ad~ min			Meeting admin
Ability to add an external instruct~ or to a virtual class		System ad~ min			Learning admin
Changes to maximum seat capa~ city	Y				End user

Performance

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Ability to disable the Assess skill button on page 140		Perform~ ance admin			Performance ad~ min End user Manager (Review Owner)
Enhanced approval abilities on the My Team page on page 140 NEW	Y				Manager
Language Check is now avail~ able in the new UI on page 141		Perform~ ance admin			Performance ad~ min End user Manager (Review Owner)
Attach supporting items to a goal in the new UI on page 141		Perform~ ance admin			Performance ad~ min End user
Talent Review section now available in the new UI on page 142		Perform~ ance admin			Performance ad~ min End user

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Ability to add tasks from the Check-in page on page 143 NEW	Y				End user Manager
Actual weighting now available in the new UI on page 144	Y				Performance Admin, Review owner, Reviewee

Pulse 360

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Copy simple survey and preview action for all surveys	Y				End user Manager Pulse admin
New keyword for Pulse deeplink	Y				End user

REST APIs

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Retrieve a user's own audience types	Y				Developer
Set business rules for courses, delivery modes and offerings	Y				Developer
Change path or module structure of an existing certification or curricula	Y				Developer
Content Inventory APIs to support additional fields and format	Y				Developer

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Additional attributes and associ~ations for Certification and Cur~ricula APIs	Y				Developer
Update content inventory	Y				Developer
Get evaluation details of an en~rollment	Y				Developer

Saba Video

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Automatic transcript generation and indexing of Social Videos	Y				System admin Social admin End user

System

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Enhancements to the Microsite Properties page	Y				System admin
DKIM signing support for emails		System ad~min			System admin
Access sensitive data using Proxy mode		System ad~min			System admin
New notification event for skills on page 212 NEW		System ad~min			Analytics admin

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Whitelisting IP addresses for xAPI and LTI API access			Y		System admin
Additional objects to support SKIP Omitted columns on page 154	Y				System admin
Enhancements made to the In~ cumbent data import on page 154					
Data import to allow Disable and Replace in bulk on page 154	Y				
Enhancements made to data im~ port audit record on page 155	Y				
Ability to get notifications when import jobs are completed on page 156	Y				
Enhancement to Bulk content import on page 157					
Additional clean-up options ad~ ded to post-termination event on page 158					System admin, People admin
Support for additional paramet~ ers in Smart List criteria builders on page 159	Y				People admin
Roles reconciliation enhance~ ments on page 161					HR admin, end user
Enhancements made to criteria builder to support multiple smartlists on page 160					
Addition to person transfer properties page on page 162					People admin, End user
Position history added to Profile section on page 163					People admin
Configure default sort order of global search results	Y	System ad~ min			All
Enhancements to the global search option on page 164	Y				System admin

Talent

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
Name column is frozen when viewing the Talent Pool	Y				Talent admin Manager
Remove candidates from talent pool NEW	Y				Talent admin Manager
Sort candidates in talent pool	Y				Talent admin Manager

Walkthroughs

Feature	On by default?*	Admin setup required	Support ticket required	Configuration change required	Affected audience
New walkthroughs	Y				All Admin

Chapter 1

UI Enhancements

Topics:

This section includes topics to guide you through new features and enhancements that affect the UI (user interface).

Enhancements to portlets

Prior to this update, the **Plan Summary** portlet had no support for Web accessibility.

The **Plan Summary** portlet now has support for Web accessibility.

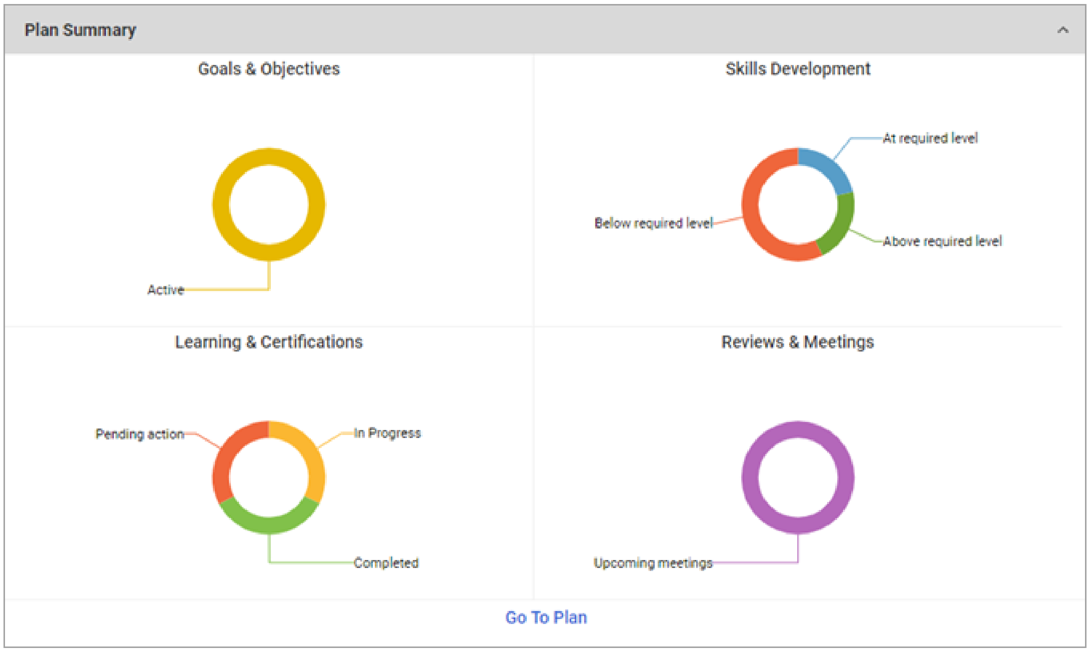
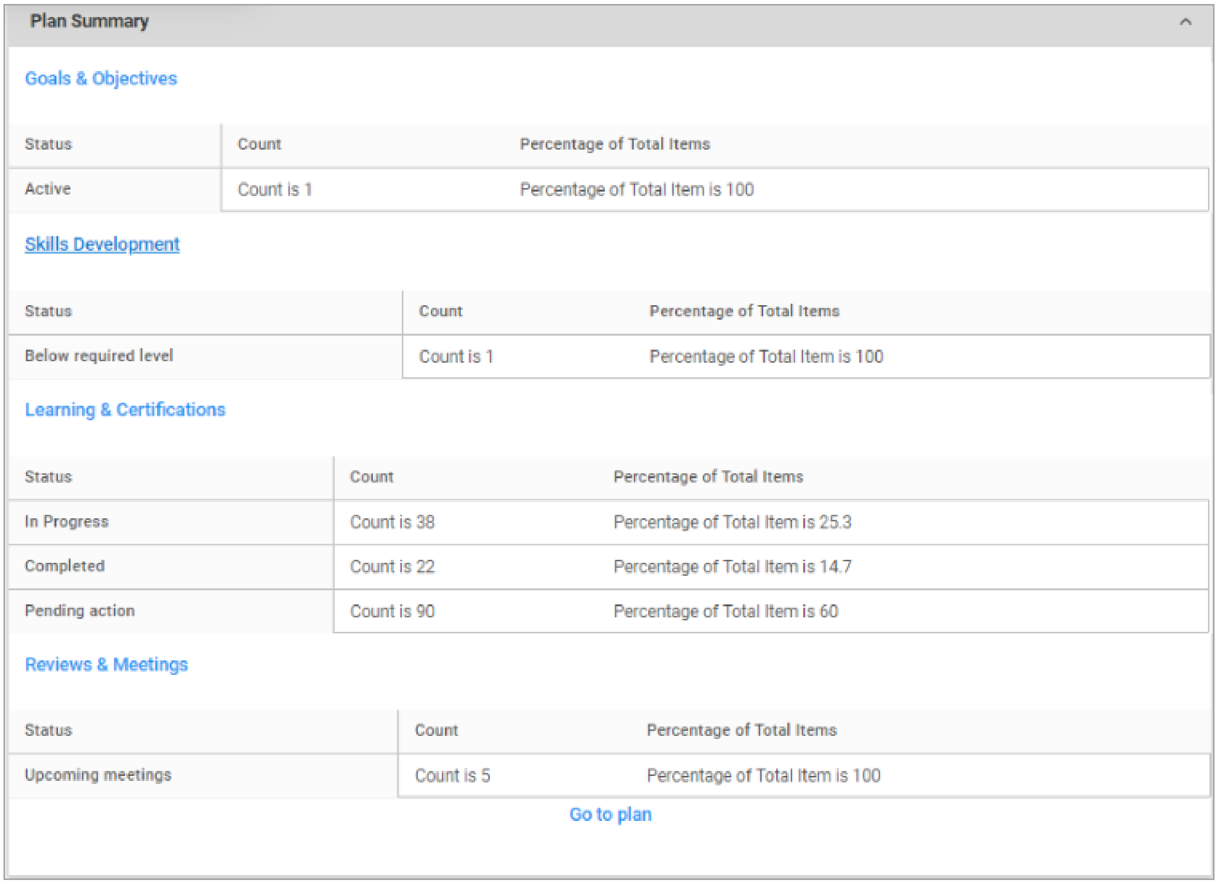


Figure 1: Plan Summary portlet

If the Accessibility Mode is enabled, then the data in the portlet is presented in a tabular format.



Plan Summary

Goals & Objectives

Status	Count	Percentage of Total Items
Active	Count is 1	Percentage of Total Item is 100

Skills Development

Status	Count	Percentage of Total Items
Below required level	Count is 1	Percentage of Total Item is 100

Learning & Certifications

Status	Count	Percentage of Total Items
In Progress	Count is 38	Percentage of Total Item is 25.3
Completed	Count is 22	Percentage of Total Item is 14.7
Pending action	Count is 90	Percentage of Total Item is 60

Reviews & Meetings

Status	Count	Percentage of Total Items
Upcoming meetings	Count is 5	Percentage of Total Item is 100

Go to plan

Figure 2: Plan Summary portlet in accessibility mode

Skip navigation and jump to the main content for Web accessibility

Prior to this update, keyboard users had to sequentially navigate through the page content in order to reach the main content.

In this update, users (using the keyboard to navigate) now have the ability to skip the various navigation options (such as the menu items) and directly reach the page's main content area. To see this **skip to main content** option, press the **TAB** key and to reach the main content area press the **Enter** key.

Note: This feature is only available on Saba Cloud's new user experience.

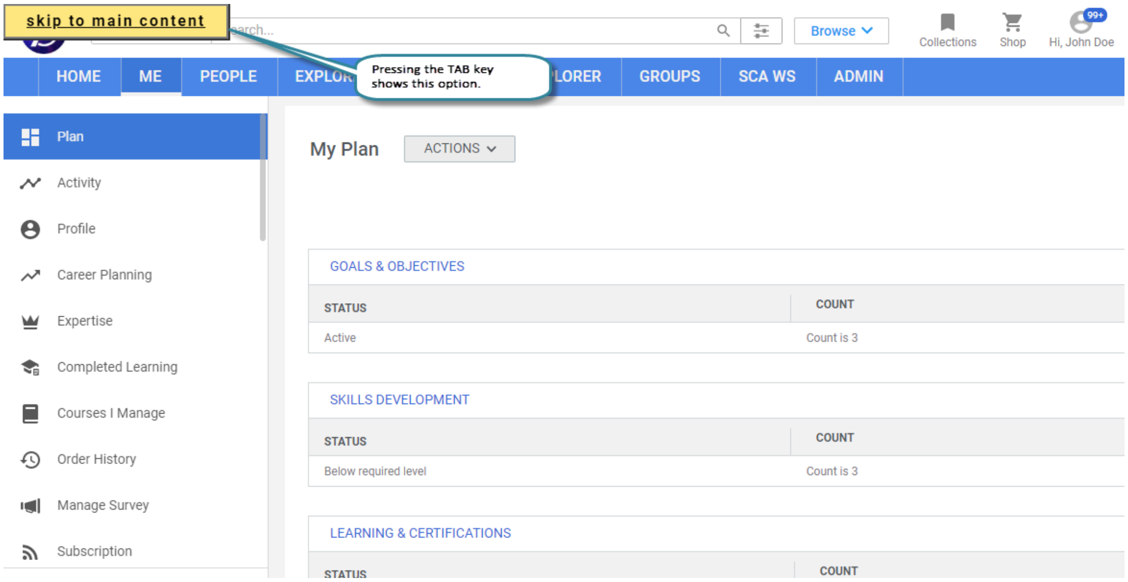


Figure 3: Skip navigation

Change background color of the IA menu

Prior to this update, **System** > **Manage Branding** > **System Branding** > **Header background color** was used to change the background color of the IA menu, which was limited to only black or white.

In this update, **System** > **Manage Branding** > **System Branding** > **Main navigation background color** will be used to change the background color of the IA menu.

Note: This feature is only available on Saba Cloud's new user experience.

Responsive layout in the Rich Text Editor

In this update, you can now make the grid and images in the Rich Text Editor responsive.

A grid provides a structure of rows and columns for aligning content. Grids are useful because they help create a familiar and easily navigable structure for content. Appropriate CSS classes (uses the pure css library - you can find more information about Pure Grids here) are now available to Rich text editor in Saba Cloud, which will help application users to create a responsive layout.

Example:

```
<!DOCTYPE html>
<html>
  <head></head>
  <body>
    <div class="pure-g">
      <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4">
        <div class="l-box">
          <h3>Lorem Ipsum</h3>
          <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut
```

```
labore et dolore magna aliqua. Ut enim ad minim veniam.</p>
          </div>
        </div>
        <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4">
          <div class="l-box">
            <h3>Dolor Sit Amet</h3>
            <p>Quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute
irure dolor in reprehenderit in voluptate velit esse.</p>
          </div>
        </div>
        <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4">
          <div class="l-box">
            <h3>Proident laborum</h3>
            <p>In culpa qui officia deserunt mollit anim id est laborum. incididunt ut labore et dolore magna
aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco.</p>
          </div>
        </div>
        <div class="pure-u-1 pure-u-md-1-2 pure-u-lg-1-4">
          <div class="l-box">
            <h3>Praesent consectetur</h3>
            <p>Integer vitae lectus accumsan, egestas dui eget, ullamcorper urn. In feugiat tortor at turpis
rhoncus tincidunt. Duis sed porttitor ante, eget venenatis lectus.</p>
          </div>
        </div>
        <div class="pure-u-1"><img class="pure-img"
src="https://s3.amazonaws.com/ooomf-com-files/wjNV6gWuQkqeuH8txHc9_sylwiabartyzel_unsplash_tatry_03.jpg"
 alt="By Sylwia Bartyzel from unsplash.com" /></div>
        <div class="pure-u-2-5">
          <div class="l-box">
            <h3>Two-Fifth Column</h3>
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur fermentum dui turpis.</p>
          </div>
        </div>
        <div class="pure-u-3-5">
          <div class="l-box">
            <h3>Three-Fifth Column</h3>
            <p>Quisque ac magna eget est porta varius ut eget quam. Curabitur tincidunt gravida nisl.</p>
            <p>Fusce accumsan, sem vitae tempus tempor, nulla lectus interdum felis, eget molestie urna
mauris vel elit. Curabitur vel ipsum nulla.</p>
          </div>
        </div>
      </div>
    </body>
</html>
```

This example creates a view (for different screen sizes) like the ones below.

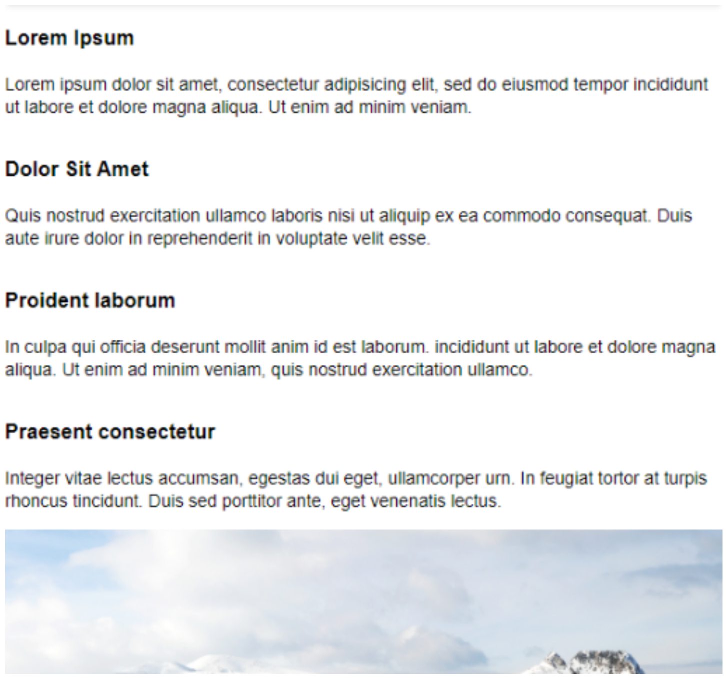


Figure 4: Small screen

Figure 5: Medium screen

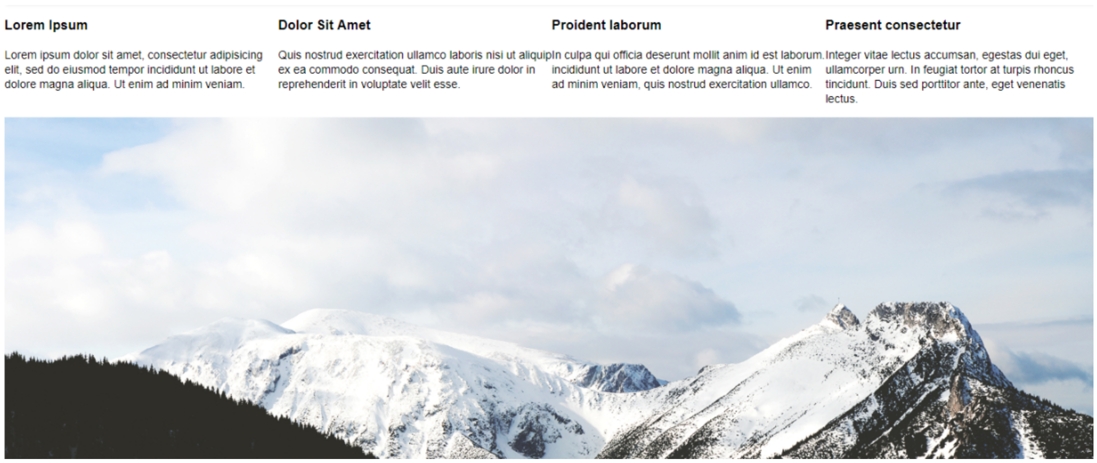


Figure 6: Large screen

When using Responsive Grids, you'll want your images to be fluid as well so they grow and shrink with the content, while maintaining the correct ratio. To do this, just apply the .pure-img class on them.

Example:

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<div class="pure-g">
        <div class="pure-u-1-4 pure-u-lg-1-8">
         <img class="pure-img" src="http://farm3.staticflickr.com/2875/9069037713_1752f5daeb.jpg" alt="Peyto
 Lake">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
            <img class="pure-img" src="http://farm3.staticflickr.com/2813/9069585985_80da8db54f.jpg"
alt="Train">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
         <img class="pure-img" src="http://farm6.staticflickr.com/5456/9121446012_c1640e42d0.jpg" alt="T-Shirt
 Store">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
            <img class="pure-img" src="http://farm8.staticflickr.com/7357/9086701425_fda3024927.jpg"
alt="Mountain">
        </div>

        <div class="pure-u-1-4 pure-u-lg-1-8">
            <img class="pure-img" src="http://farm8.staticflickr.com/7478/16185861115_4ed6353a97.jpg"
alt="Miami">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
         <img class="pure-img" src="http://farm3.staticflickr.com/4068/4666556755_091acf3253.jpg" alt="BCE
 Place, Toronto">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
            <img class="pure-img" src="http://farm6.staticflickr.com/7313/13136053333_f04b335933.jpg"
alt="Banff">
        </div>
        <div class="pure-u-1-4 pure-u-lg-1-8">
         <img class="pure-img" src="http://farm3.staticflickr.com/7628/16754137141_27dcaabd24.jpg" alt="Boston
 North Point Park">
        </div>
```

```
    </div>
</body>
</html>
```

This example will generate a view (for different screen sizes) like the ones below.

Figure 7: Small screen

Figure 8: Medium screen

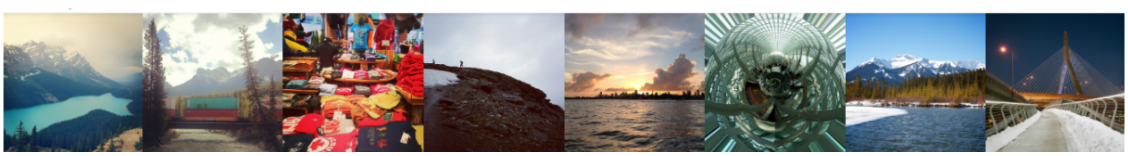


Figure 9: Large screen

Chapter

2

Analytics

Topics:

This section includes topics to guide you through new features and enhancements under Analytics.

Saba Analytics's new user interface

Since this update, Saba Analytics's new user interface will be the default user interface. You can switch back to the older user interface, if required. To set the user interface for Saba Analytics, you can enable or disable **Analytics New Experience** under **Web Variables** via **System** > **Configure System** > **Microsite Properties**.

Web accessibility for Analytics Charts

Before this update, the new user interface didn't support Accessibility for Analytics Charts. In this update, Saba Analytics now supports Web accessibility for charts. Charts present in the reports are visible as tables with data in columns. All the associated tasks can be accomplished by focusing on the required data cell and pressing the required keys.

Suggestions on missing performance filter attributes

Before this update, the new user interface didn't have the suggestions feature, where Analytics used to show a recommendation message while building the report, that guides the user to add the missing performance filter attributes in the report.

In this update, you will now see suggestions for the missing performance filter attributes.

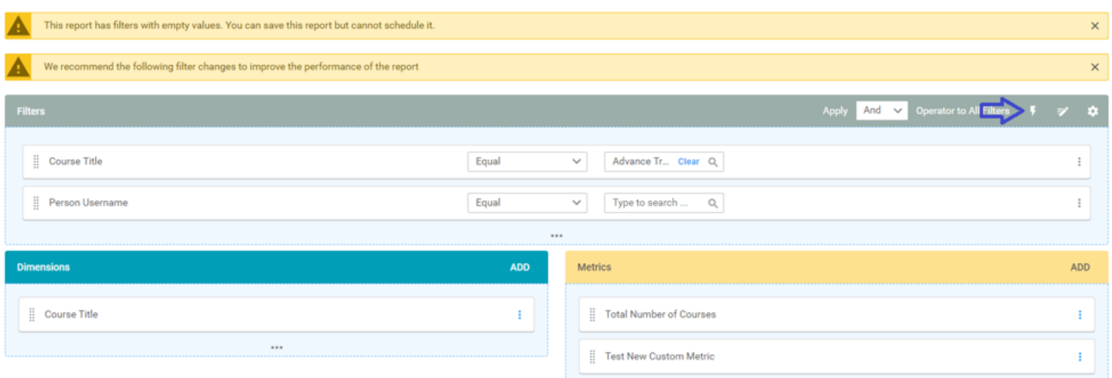


Figure 10: Suggestions on missing performance filter attributes

You can click the flash/ lightning bolt icon to add all the missing performance filter attributes. This feature will also let the user know if the date ranges of the filter attributes added in the report have exceeded the recommended date range value

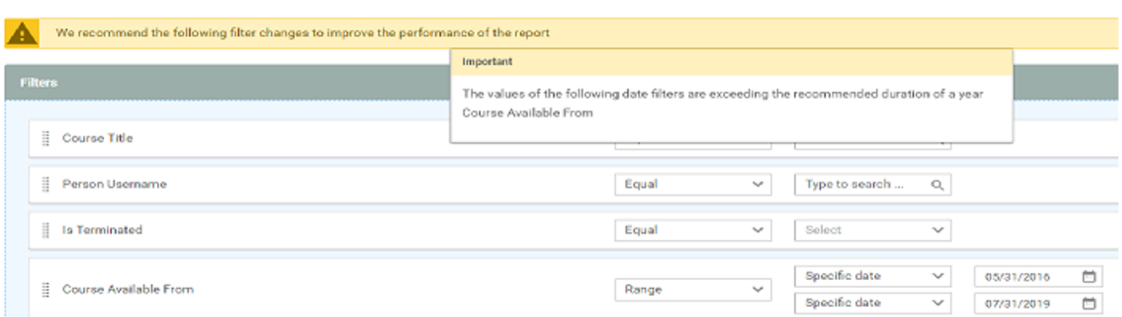


Figure 11: Suggestions on date range

Framework enhancements

Insights - What is the total revenue achievement?

Analytics provides a new insight under **Admin** > **Ecommerce** for Ecommerce administrators.

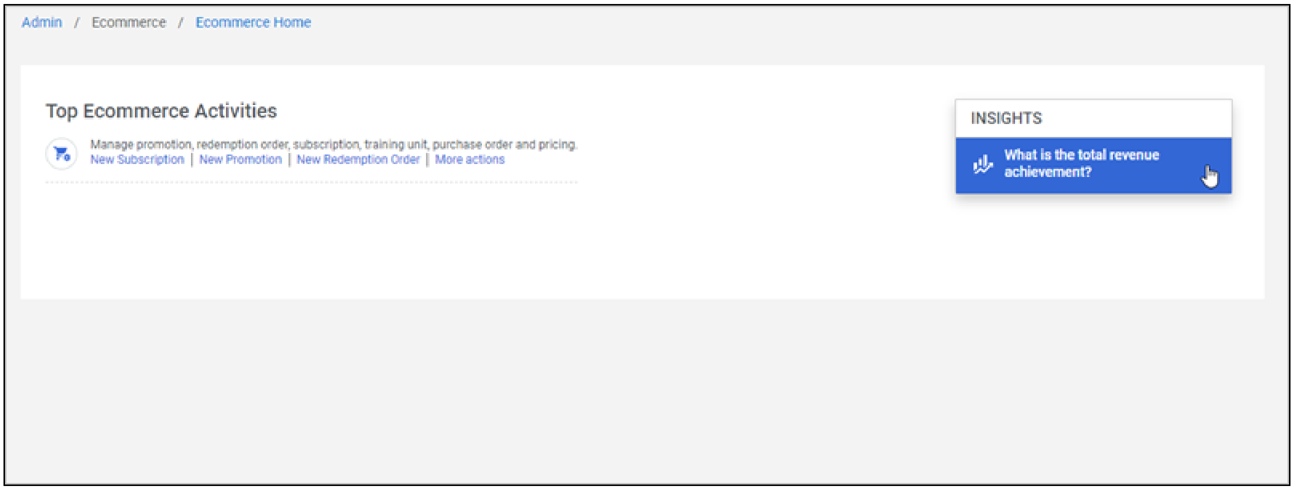
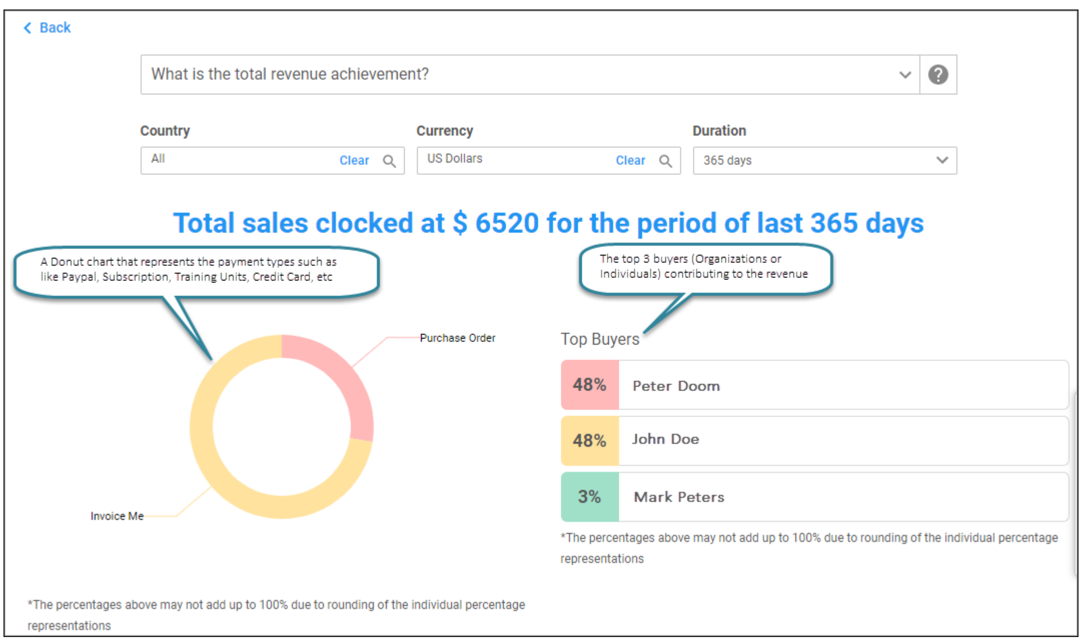


Figure 12: Admin > Ecommerce

What is the total revenue achievement?



The statement indicates the total revenue achievements across various payment modes, countries for a given duration such as 30 days, 60 days, 90 days, 120 days, 180 days and 365 days. By default, the statement would indicate the total revenue achievements for:

- all the countries
- the logged in user's default currency

- a period of 30 days

Note: The currency may not be the default currency for the organizations that fall under the purview of the Ecommerce admin.

Note: This is also an out-of-the-box report that can be used to drill down into the Insight chart data.

Insights - Which are the top selling catalog items?

Analytics provides a new insight under **Admin** > **Ecommerce** for Ecommerce administrators.

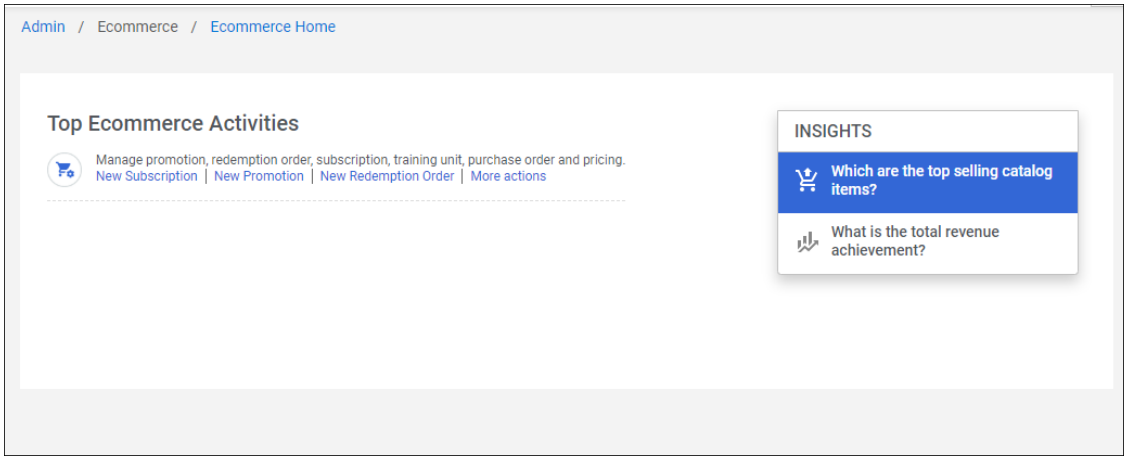
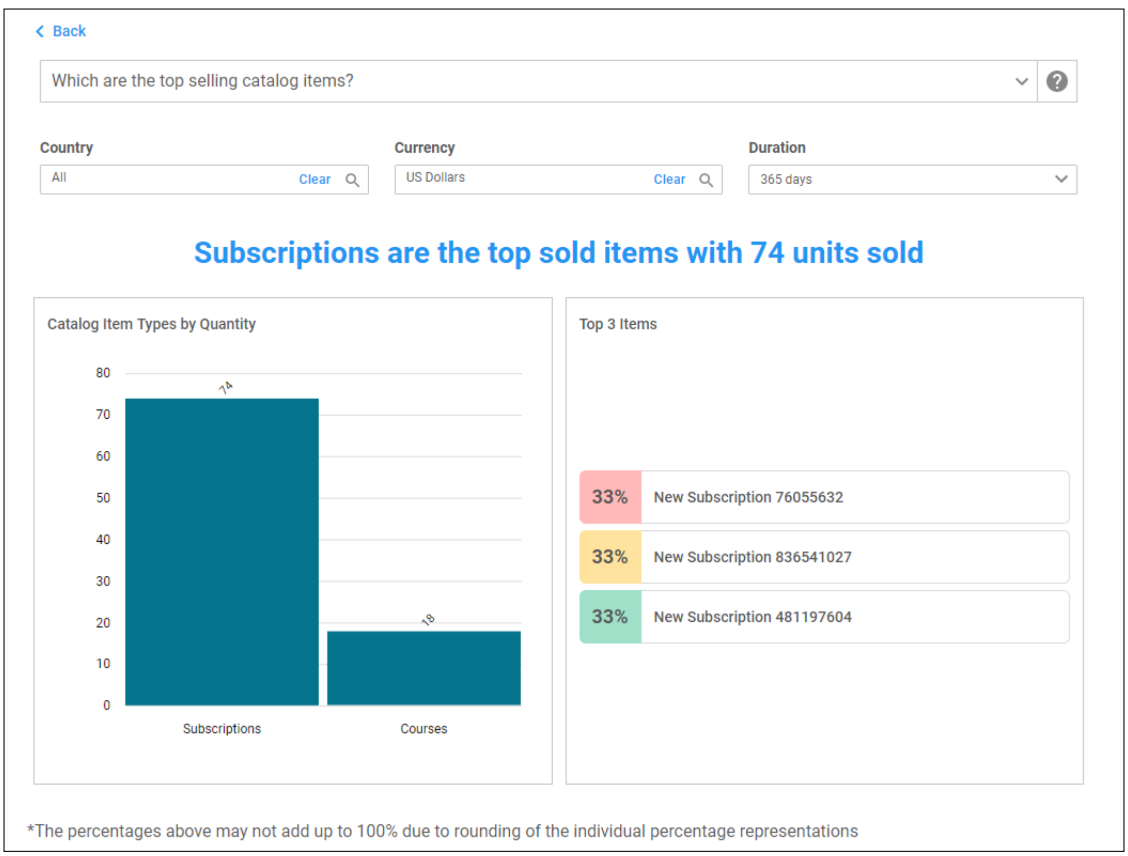


Figure 13: Admin > Ecommerce

Which are the top selling catalog items?



The statement indicates the top selling catalog items such as Packages, Certifications, Curricula, Subscriptions, and Courses across various currencies, countries for a given duration such as 30 days, 60 days, 90 days, 120 days, 180 days and 365 days. By default, the statement would indicate the top selling catalog items for:

- all the countries
- the logged in user's default currency
- a period of 30 days

Note: The currency may not be the default currency for the organizations that fall under the purview of the Ecommerce admin.

Note: This is also an out-of-the-box report that can be used to drill down into the Insight chart data.

Insights - When are people in my team most engaged in self-directed learning?

Analytics provides a new insight under **My Team** > **Overview** for managers.

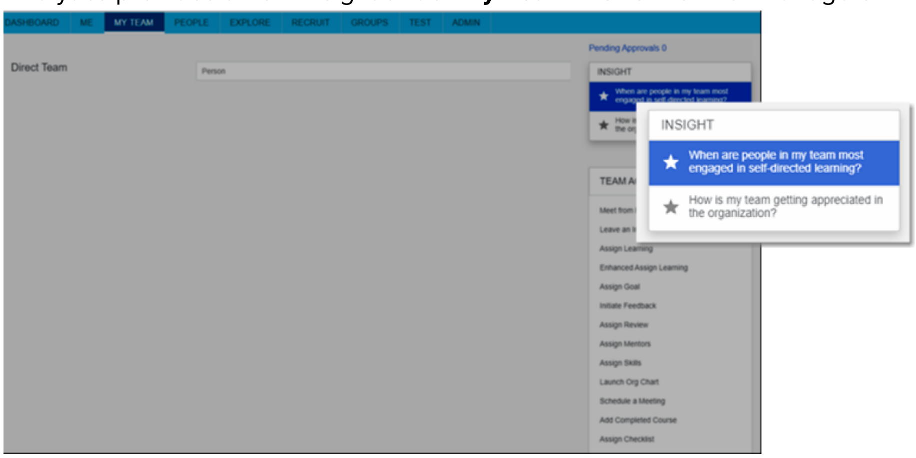
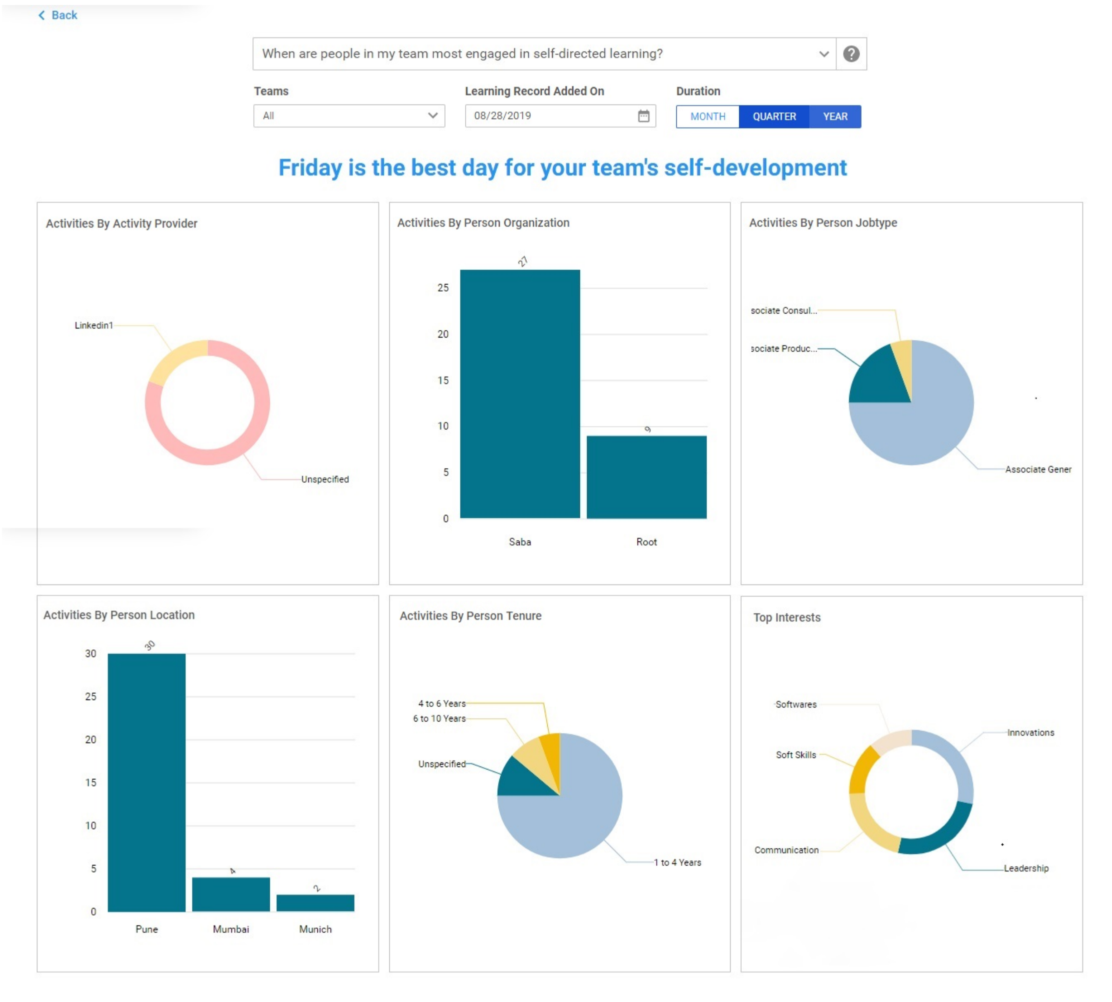


Figure 14: My Team > Overview

When are people in my team most engaged in self-directed learning?



This insight represents the engagement of the team in terms of self-driven learning for a manager. This insight shows the self-driven learning data by Activity Provider, Learner Organization, Job types, Learner Locations, Tenure. This insight also shows the top 5 interest marked by team members.

The statement answers the question asked and provides the day on which the most number of learning activities are added based on the following filters:

1. Date (default is the current date)
2. Teams (All / Direct) (default is All)
3. Duration <Month | Quarter | Year> (default is Month)

The duration filter starts with the date selected (for example: 28 Nov 2018) and goes backwards using the selected value in the filter on right. So if you select Year as the duration value, then the insight will show data for the period 28 Nov 2017 to 28 Nov 2018. Quarter will show data for the last 90 days. You can use the Teams filter to see data for your direct reports or the entire hierarchy.

The tenure is calculated based on the person Started On date in the profile.

Note: This is also an out of the box report that can be used to drill down into the Insight chart data.

Insights - What is our Saba Meeting Usage?

Analytics provides a new insight under **Admin** > **Meeting** for meeting administrators.

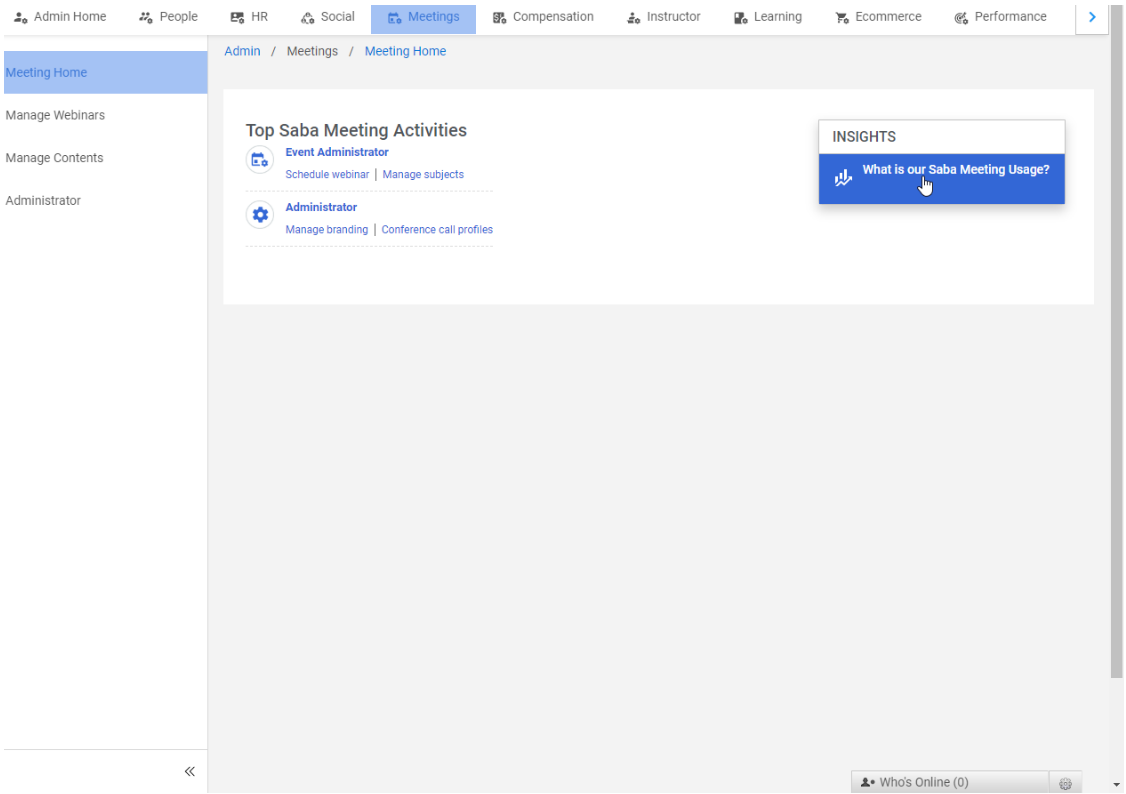
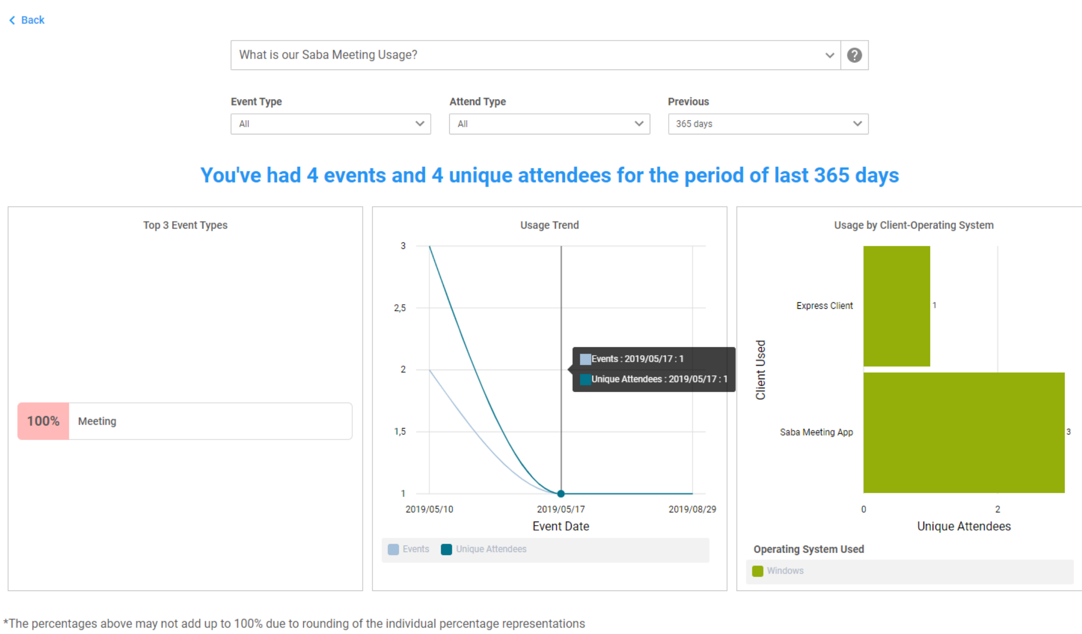


Figure 15: Admin > Meeting

What is our Saba Meeting Usage?



- The statement indicates the utilization of Saba Meeting based on the number of events and unique attendees for a given duration such as 30 days, 60 days, 90 days, 120 days, 180 days and 365 days. By default, the statement would indicate the utilization of Saba Meeting for:
  - all event types (i.e. Classroom, Webinar, Meeting)
  - all attend types (i.e. Live and Playback)
  - a period of 30 days

Note: This insight provides data for only those events which had at least one or more attendees.

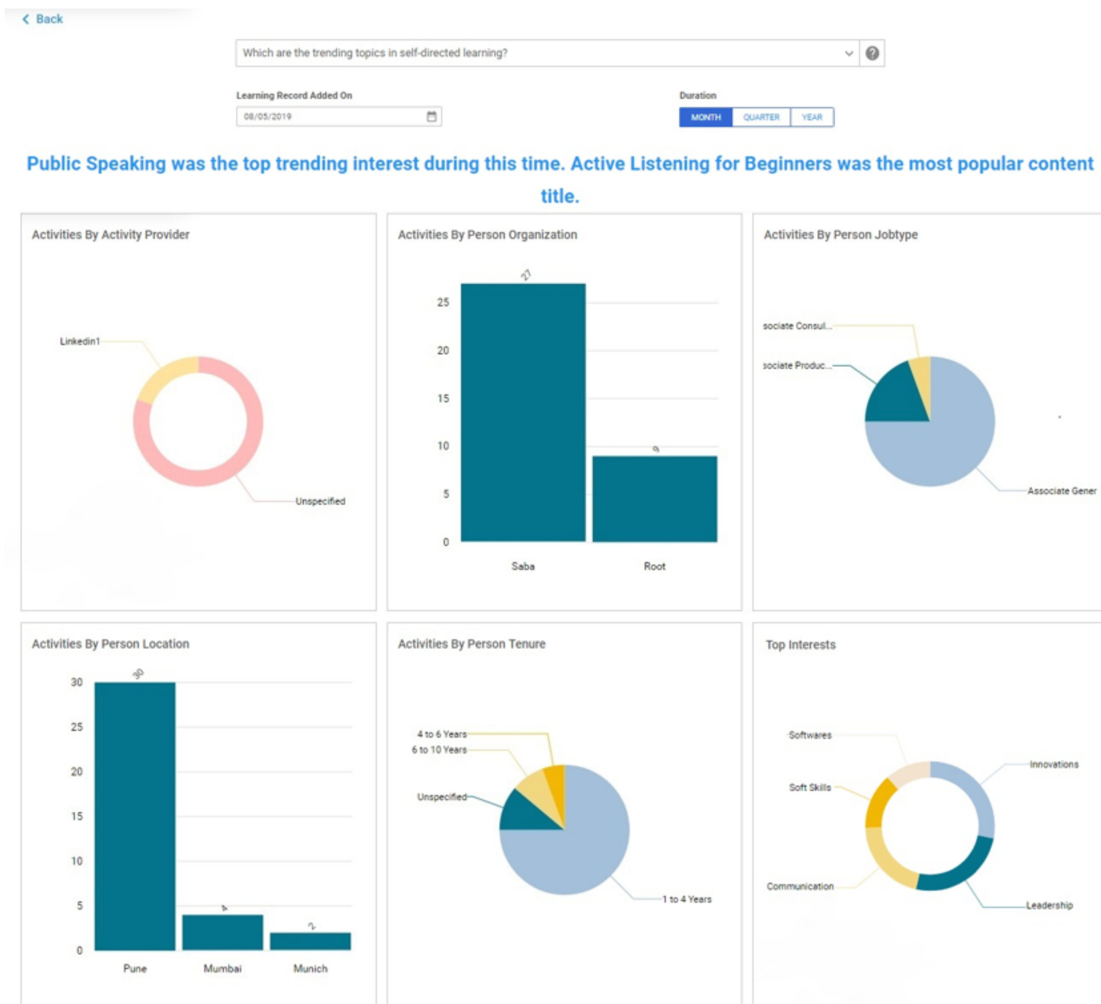
The first chart represents the top 3 event types, the line chart indicates the trend of number of events and the number of unique attendees over a period of time and the stacked bar chart plots the number of unique attendees with **Client Used** and **Operating System used** to join the meeting.

Note: This is also an out of the box report that can be used to drill down into the Insight chart data.

Insights - Which are the trending topics in self-directed learning?

Analytics provides a new insight under **Admin** > **Learning** for learning administrators.

Which are the trending topics in self-directed learning?



•

This insight helps in getting an overview and deep dive on the most engaging **me:time** content, the content provider and the top subscribed interests. This insight also helps with the demographic information such as Organization, Job type, Person location and Tenure of the employees who are actively adopting self-directed learning through **me:time**. Tenure is calculated based on the 'Person Started On' date in the profile.

Note: The data that you see in this insight is domain specific, depending on your access.

For more granular information of content title, person name, manager name, view date and so on, you can click anywhere on the charts.

By default, the statement would provide the details for:

- the current date (Learning Record Added On)
- a month (Duration)

  Note: The Duration filter starts with the date selected for **Learning Record Added On** and goes backwards. Quarter shows the data for last 90 days.

The **Activities By Activity Provider** donut chart shows the top three activity providers by total activities. The **Activities By Organization** bar chart indicates the top three organizations by total activities. The **Activities By Job Types** pie chart shows the top three job types by total activities. The **Activities By Person Location** bar chart shows the top three person locations by total activities. The **Activities By Person Tenure** pie chart indicates the total activities by tenure groups (such as 1 to 4 Years, 4 to 6 Years, 6 to 10 years and more than 10 years). The Top Interests donut chart indicates the top five interests by users who have selected them.

Note: This is also an out of the box report that can be used to drill down into the Insight chart data.

Insights by Domain

Before this update, Insights were presented as a top-down view that could be viewed at every level. There was no option to represent Insights by domain. For example:

- A Learning admin for a certain domain may not find it useful when viewing the top-down data for the entire system from a decision making perspective unless the admin drills down to the underlying report details.
- For those where business units are segregated by domain, they may not find it useful to have the top-down view shared across functions.

It is now possible to represent Insights by domain. With this feature, users can decide whether they want to represent Insights by domain, organization, or person based criteria.

Note: By default, this feature is disabled. To enable this feature, the Analytics admin needs to enable the **Enable security binds on Insights** configuration.

Attributes of type float to support range operator

Before this update, while applying filters to the attributes for extracting the required data, only the attributes of type Integer or Date or DateTime supported using range as the filter operator.

It is now possible to use range as the filter operator even for attributes of type float.

Note: This is true even for conditional formatting and custom metrics.

Password protect attachments of report subscriptions

It is now possible to password protect the subscription report attachments using one of the following methods.

Password for attachments of ad-hoc email subscriptions

It is now possible to password protect the subscription report attachments by setting a password at the time of authoring subscriptions delivered to Email (Recipient Type).

The password must be a 8 to 16 characters alphanumeric string and it can have special characters.

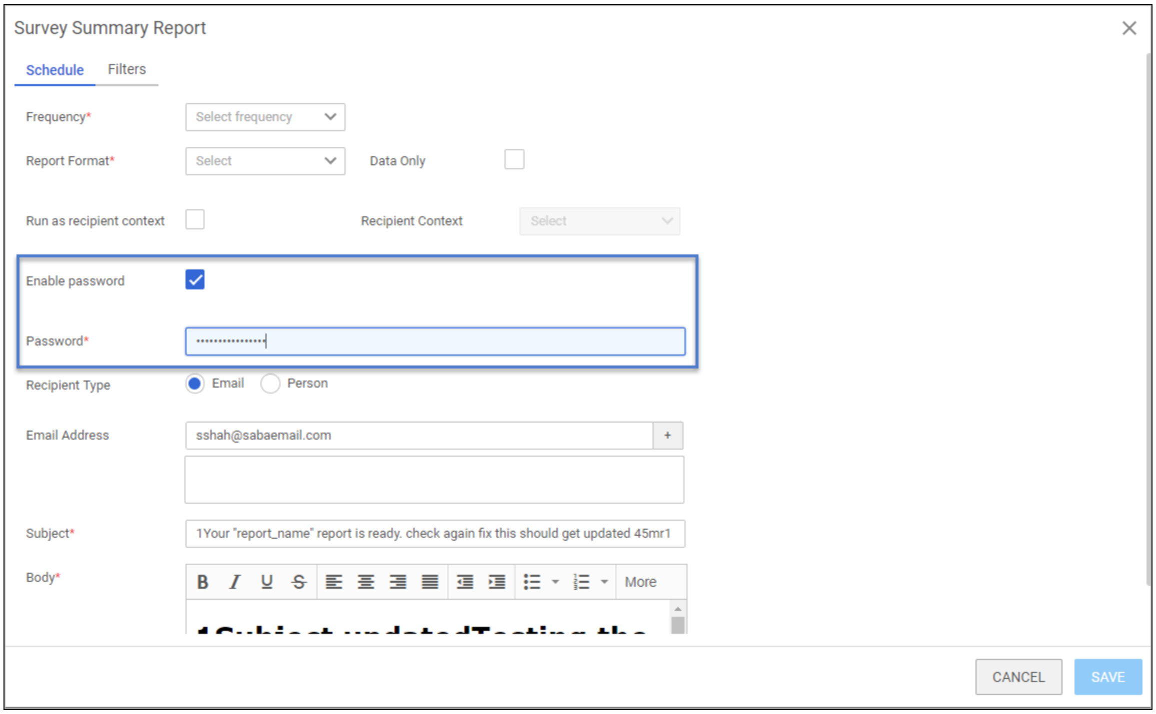


Figure 16: Creating a report subscription

The subscription report attachments are then packaged as a password protected zip file. You can open such zip files but to access the content of the zip file, you will be prompted to enter a password.

Note: Password protection does not apply to the report data which is exported and downloaded from the Saba Analytics UI and is independent of the following encryption / authentication features related to subscriptions:

- Email signing feature
- PGP encryption of SFTP subscriptions

Note: To enable this feature, submit a support request. For assistance, contact Saba support.

Note: If you create a subscription with a password protected attachment and disable the **Settings** > **Configuration** > **Password Protect Email Attachments** property later, the subscription attachments will not be password protected.

In this method, the same password protected attachment is delivered to each ad hoc email recipient. It is the onus of the sender/subscription-creator to share the password with the recipients.

Recipient specific passcode for attachments

In addition to the password protection for email attachments sent to ad hoc emails, it is also possible to password protect email attachments individually for each recipient using the individual passcodes of users (available under the **User Menu** > **Account Preferences** > **User Passcode** section). The **Person** or **Smartlist** recipient type will have to be used to use such passcodes. This feature does not require any configuration on the Subscription authoring page. It will function only if the Passcode feature is enabled.

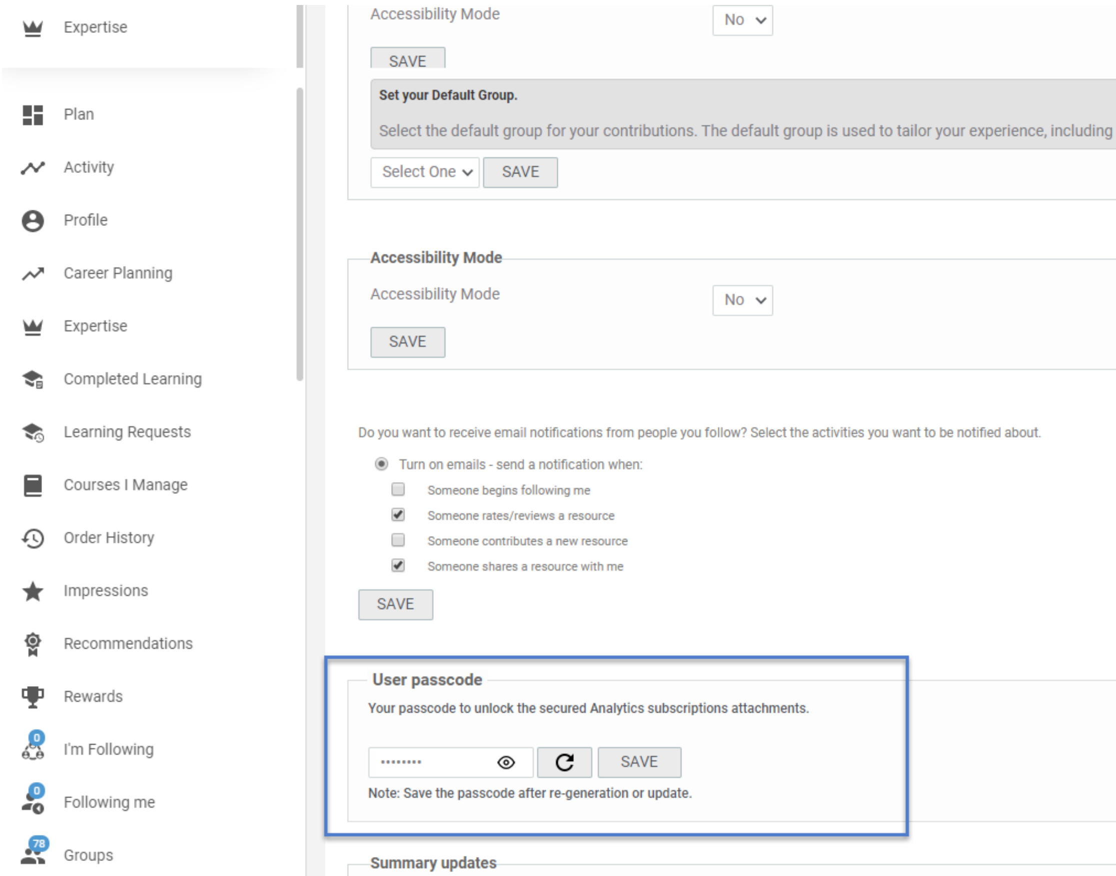


Figure 17: User Menu > Account Preferences > User Passcode

By default, this feature is disabled.

Note: To enable the User Passcode feature, submit a support request. For assistance, contact Saba support.

After this feature is enabled:

- A **User Passcode** section is available for every user under **User Menu > Account Preferences** . In this section, you can generate (or re-generate) a random 8 character alphanumeric passcode.

  Note: If you do not generate a passcode using this section, Saba Cloud auto-generates one for you.

- Each recipient will now receive a separate copy of the attachment that is protected with that recipient's own passcode.
- The recipients will now have their own passcode to unlock the secured Analytics subscriptions attachments that they receive.

The user can view the generated passcode by clicking the eye icon.

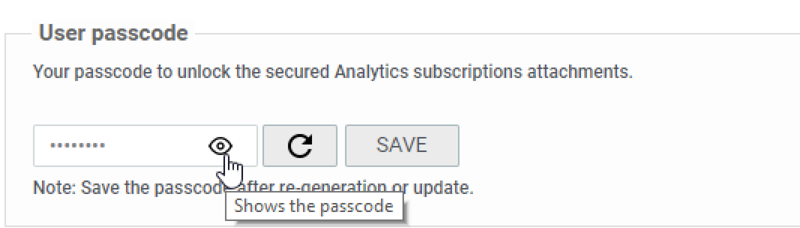


Figure 18: View the generated passcode

You can also choose to use your own passcode (instead of the generated one).

Note: You must ensure that the user passcode is an alphanumeric string containing 8 characters.

Aggregation functions for custom metrics

Before this update, count function was not available in the list of aggregation functions in the global custom metric screen (**Settings** > **Custom metric**).

It is now possible to use the count function as one of the aggregate function while creating a custom metric from the existing global custom dimensions on the overall formula based on the attributes chosen in the THEN or ELSE clause.

If the final output of the custom dimension is numeric then SUM, COUNT and AVERAGE are available, otherwise only the COUNT function is available in case of a string or mixed data.

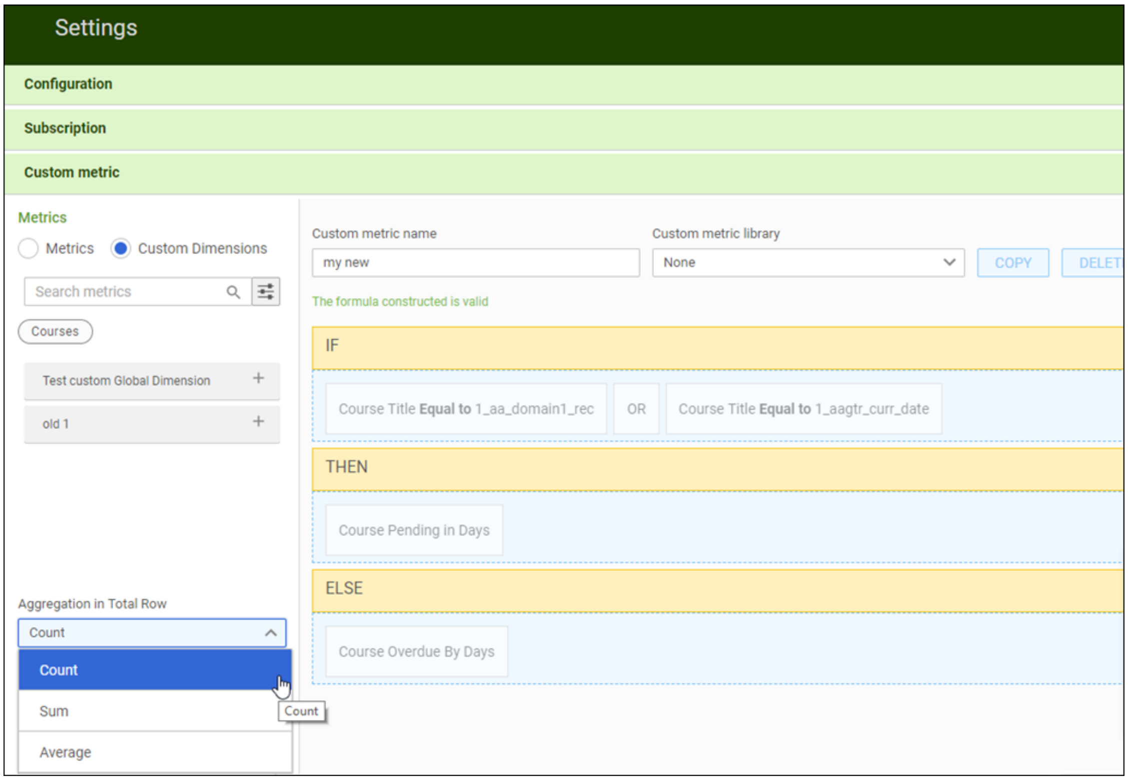


Figure 19: Custom metric - aggregate functions

Additional delimiters for custom dimensions

Before this update, while adding a custom dimension and performing string manipulation, it was not possible to use \ and the comma character (,) as delimiters.

It is now possible to use these two additional delimiters.

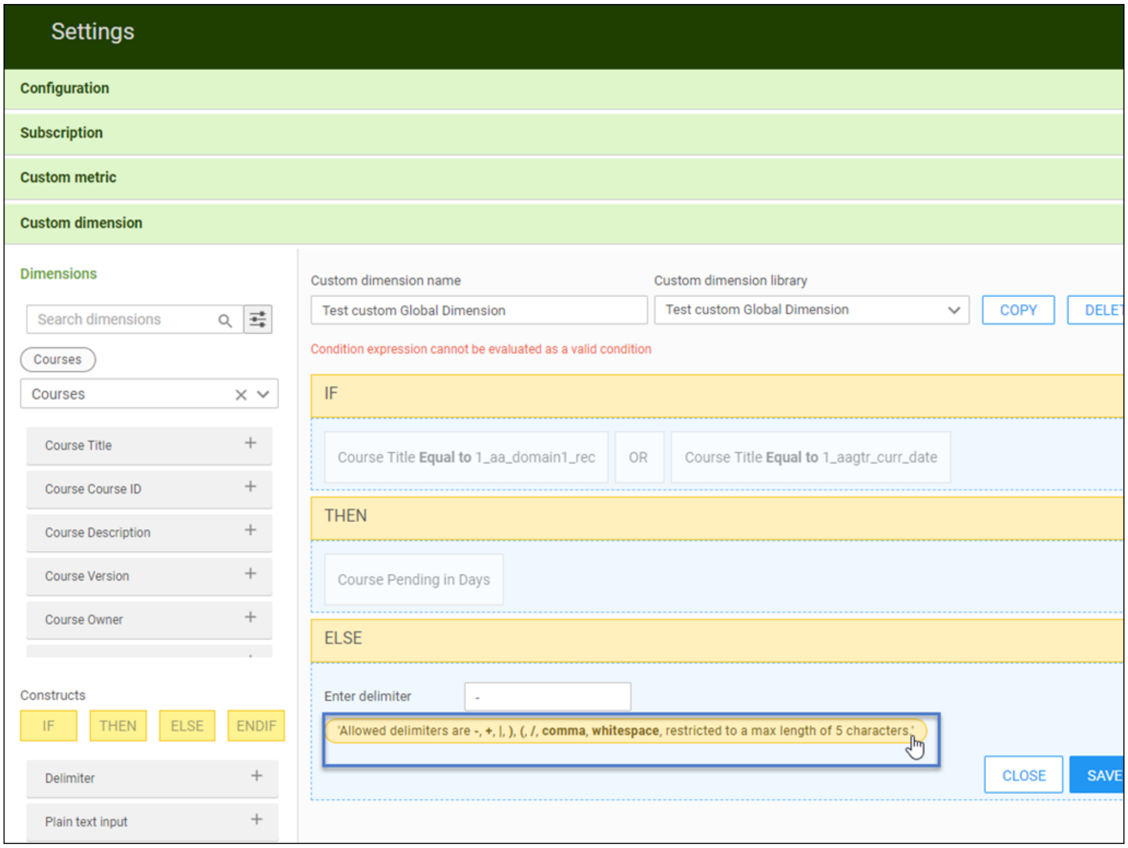


Figure 20: Custom dimension - additional delimiters

This enhancement helps including class or course URLs as report fields. Going forward, admins can then pull these deeplinks into Analytics reports so they can more easily distribute a list of Deeplink URLs. For example, an admin would like to be able to pull a report on all classes within a certain time period, and send this link out to a group of people along with the associated deeplinks. Users could then select the deeplinks directly from the report to register for the class.

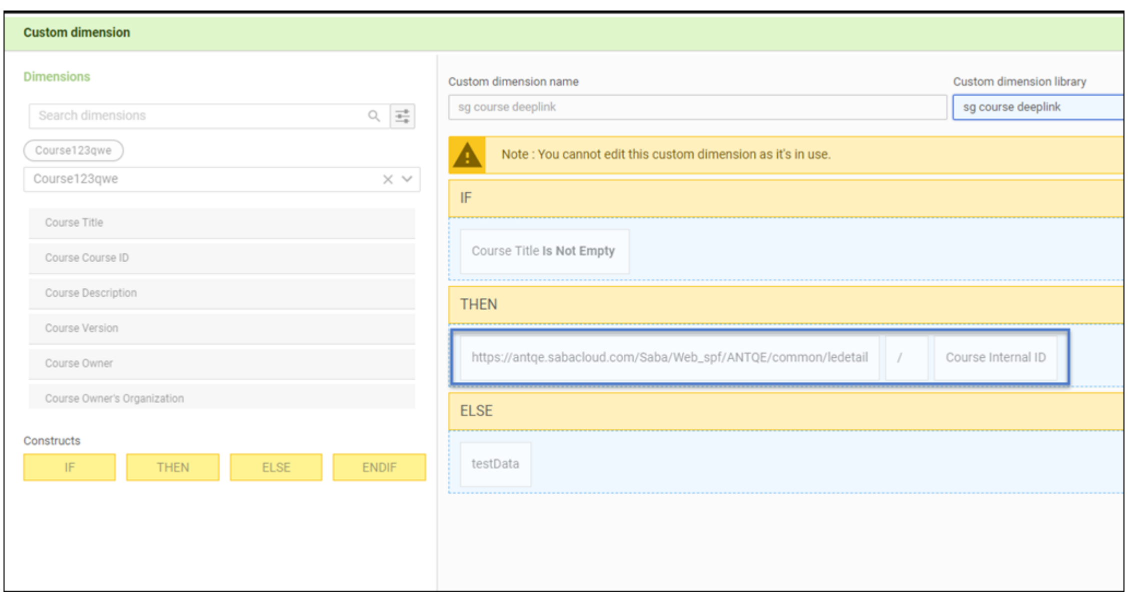


Figure 21: Custom dimension - deeplink using additional delimiters

Use custom fields from Person and Organization for charts

Before this update, it was not possible to use multi-component custom fields (from the Person and Organization components) in charts. It is now possible to add multi-component custom fields from the Person and Organization components in charts.

Note: The custom fields that you add to a chart have to be of the same data type. For example, if both component's custom field has string data type and both are configured as LOV or one of them is configured as LOV then even being string data type they will be considered as unavailable for charts.

Grouped Radar chart

This update introduces a new type of chart called **Grouped Radar Chart** which is an enhanced version of the existing radar chart.

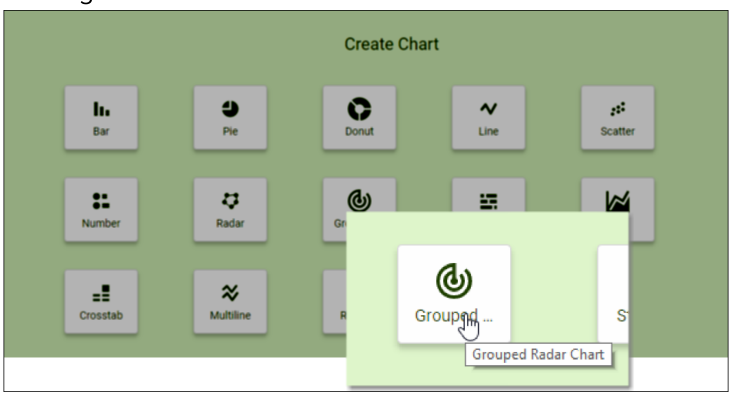


Figure 22: Grouped Radar chart

The existing Radar chart allows you to plot selected dimension values on the axis, whereas this new chart will now allow you to further group those values using another dimension attribute. For example, Skills can be grouped together using the Skill Group dimension, Courses can be grouped using the Course Category dimension, and so on.

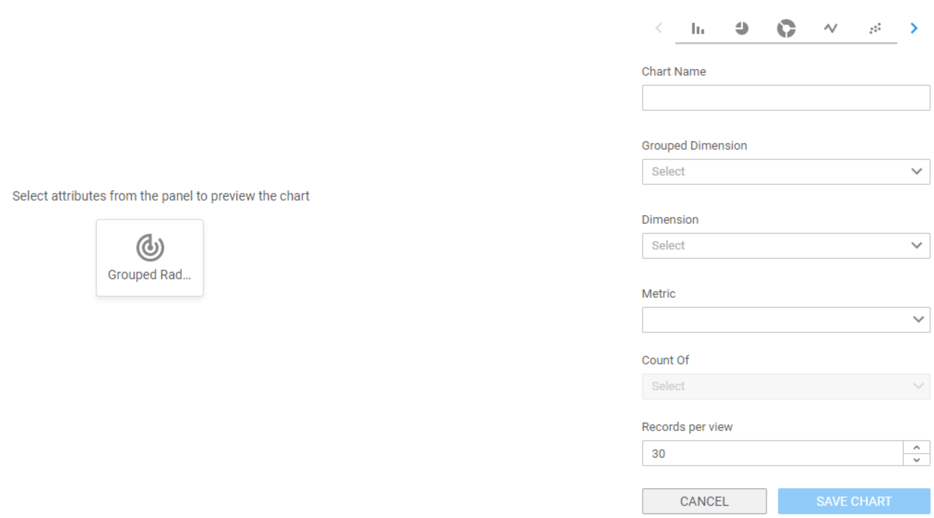


Figure 23: Grouped Radar chart - Grouped dimension

Also unlike the existing Radar chart which shows data by connecting the values plotted on the various axis, the Grouped Radar chart will help you to visualize the overlapping area between the grids created by different metrics.

You can also configure the **Records per view** (10-50) i.e. the number of records that you want this chart to show. The default is 30.

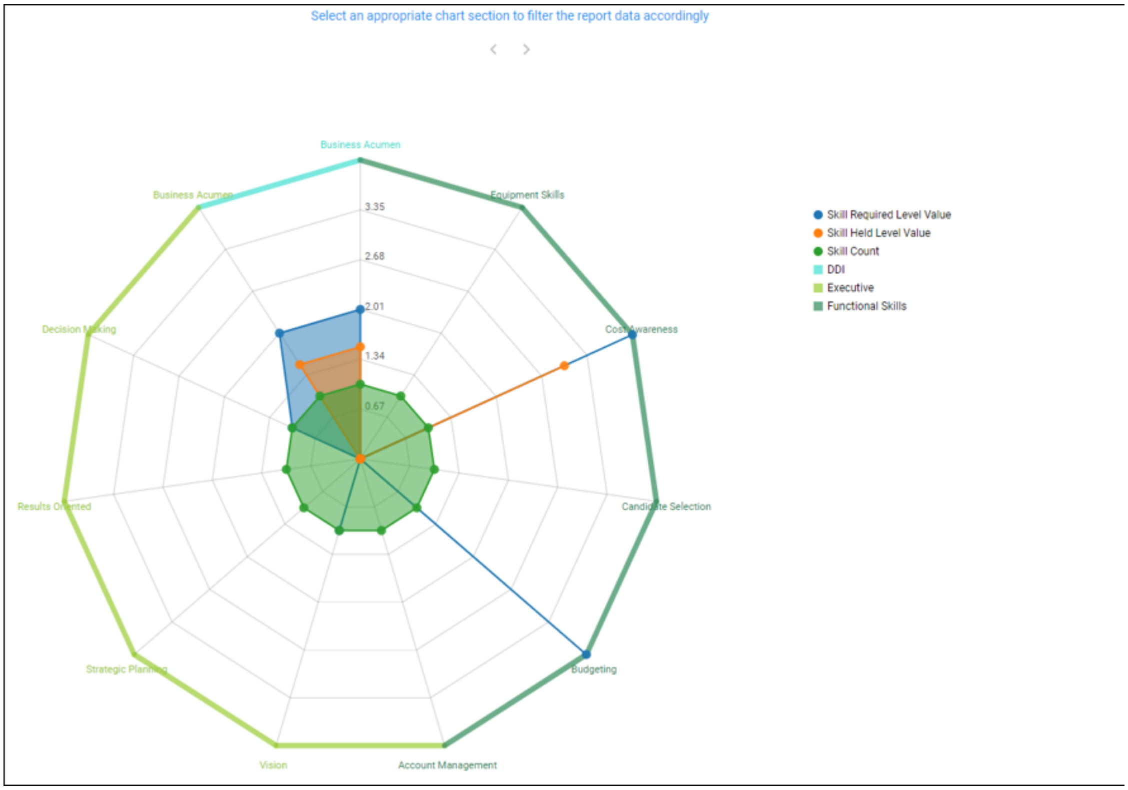


Figure 24: Grouped Radar chart

Round custom metric values

Custom metrics are usually stored as Float datatype, so the data is displayed with decimals and not rounded off.

This update now provides an option (**Round to Integer**) to round off custom metric values.

For example: This enhancement will be useful in cases, where you're attempting to create a custom metric and converting minutes to hours (training hours). The result is a digit with 2 decimals like 10.33. After applying the round function 10.33 will be 10 and 10.56 will be 11.

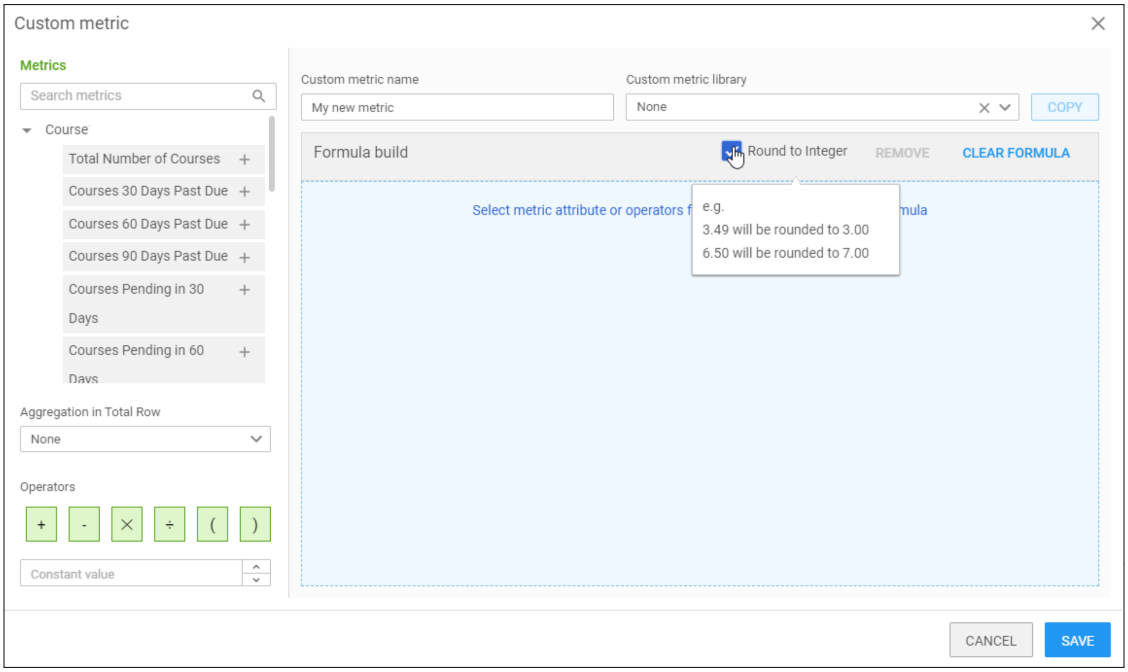


Figure 25: Rounding off option

Note: When rounding off is applied to the custom metric, there may be a difference in data and total values when compared to values on which rounding off was not applied.

For all the existing custom metrics where the option is not checked, rounding off will not happen.

The rounding off is applicable to both global and report specific custom metrics and the ones created using existing global custom dimensions.

Control access to talent data

As of now, a user (who is not a Talent Admin) with limited administrator privileges can go to Analytics and write a report that includes limited talent data such as flight risk, retirement risk, and so on. There was no way to prevent access to talent data.

This update allows preventing access to the talent data via a new configuration.

Note: To enable this configuration, submit a support request. For assistance, contact Saba support. By default this configuration is disabled, which means users with limited administrator privileges can access talent data.

The following attributes under the Profile and Compensation entities will be visible only to the Talent Admin, after you have this configuration enabled:

- Flight Risk
- Retirement Risk
- Potential Rating

New Reports

Insights - Reports

Insight - Total Revenue Achievement

This report allows admins to view details of total revenue achievements across various payment modes and countries for a given time period.

This report needs the following services:

- Ecommerce

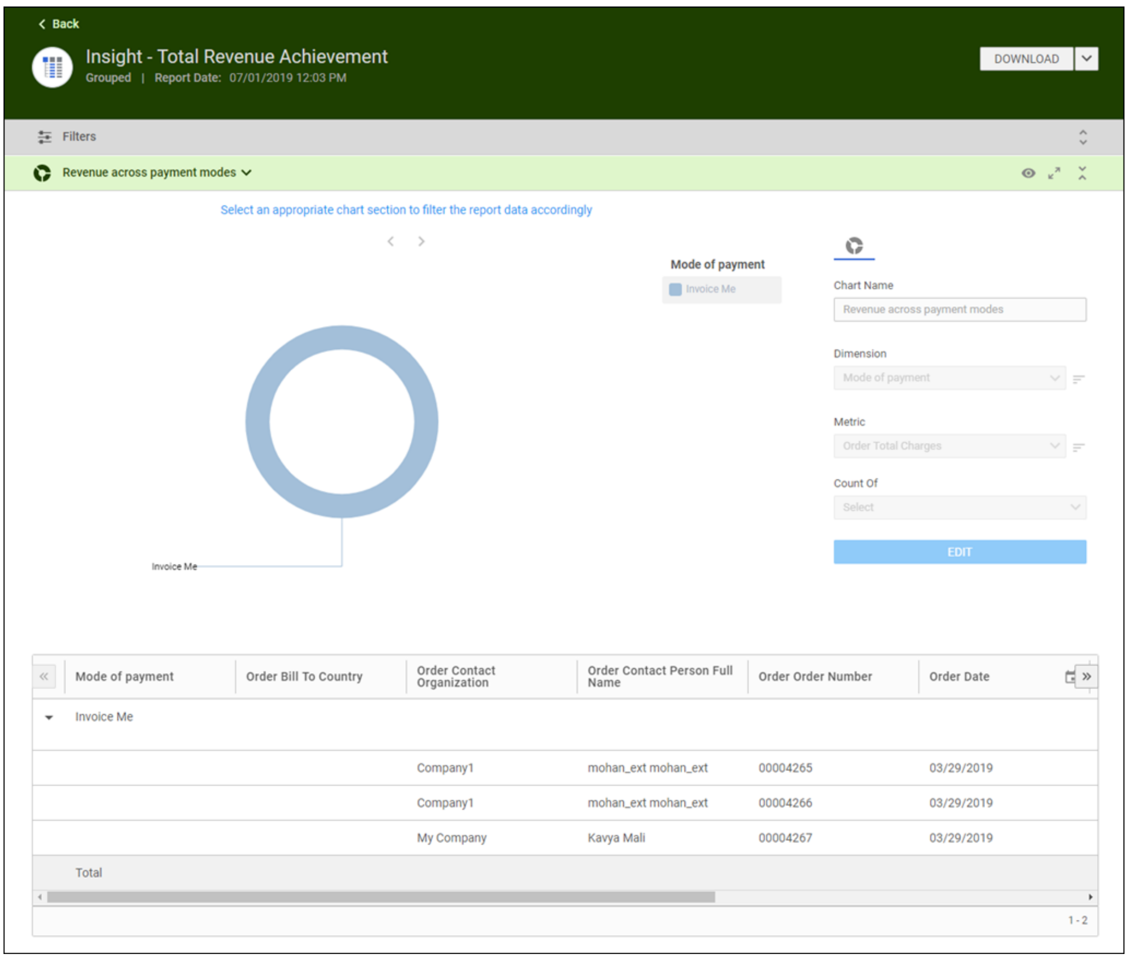


Figure 26: Insight - Total Revenue Achievement Example

Report Details

This section provides high-level details of the Insight - Total Revenue Achievement report.

Filters

This report uses the following mandatory filters:

1. Mode of Payment
2. Order Date

This report uses the following optional filters:

1. Order Status
2. Order Bill to Country
3. Order Currency

Dimensions

This report uses the following dimensions:

1. Mode of Payment
2. Order Bill to Country
3. Order Contact Organization
4. Order Contact Person Full Name
5. Order Number
6. Order Date
7. Order Status
8. Order Currency

Metrics

This report uses the following metrics:

1. Order Total Charges

Insight - Top Selling Catalog Items

This report allows the admin to view the top selling catalog types along with top three learning item names for a given time period.

This report needs the Ecommerce service.

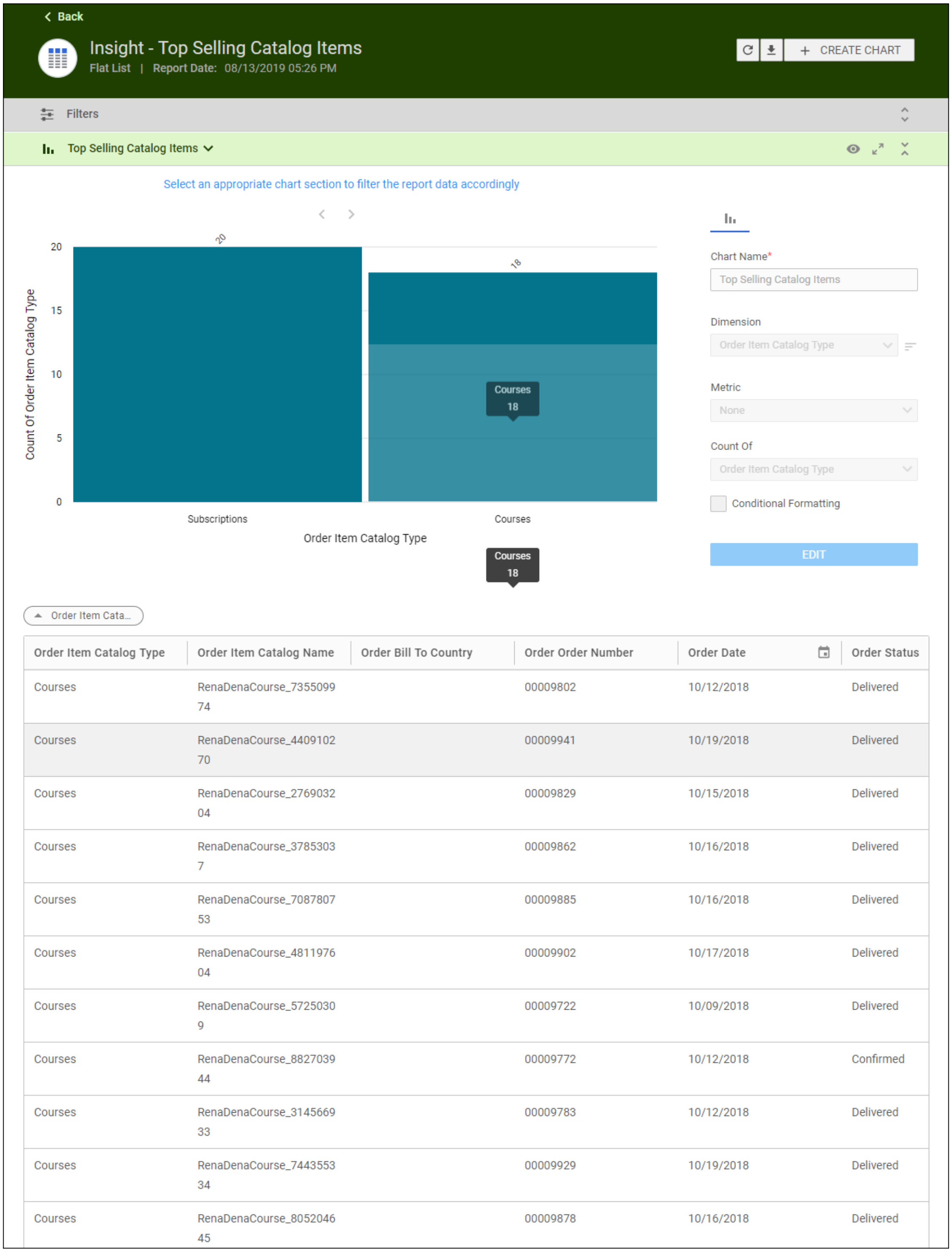


Figure 27: Insight - Top Selling Catalog Items Example

Report Details

This section provides high-level details of the Insight - Top Selling Catalog Items report.

Filters

This report uses the following mandatory filters:

1. Mode of Payment

2. Order Date

This report uses the following optional filters:

1. Order Status
2. Order Item Status
3. Order Bill to Country
4. Order Item Catalog Name
5. Order Currency

Dimensions

This report uses the following dimensions:

1. Order Item Catalog Type
2. Order Item Catalog Name
3. Order Bill to Country
4. Order Number
5. Order Date
6. Order Status
7. Order Currency

Insight - Team Self Directed Learning

This report allows managers to see the self directed learning data grouped by organization, manager, location and job type.

This report needs the following services:

- Bookmarklet (Beta) service under Learning Record Store
- Social LRS

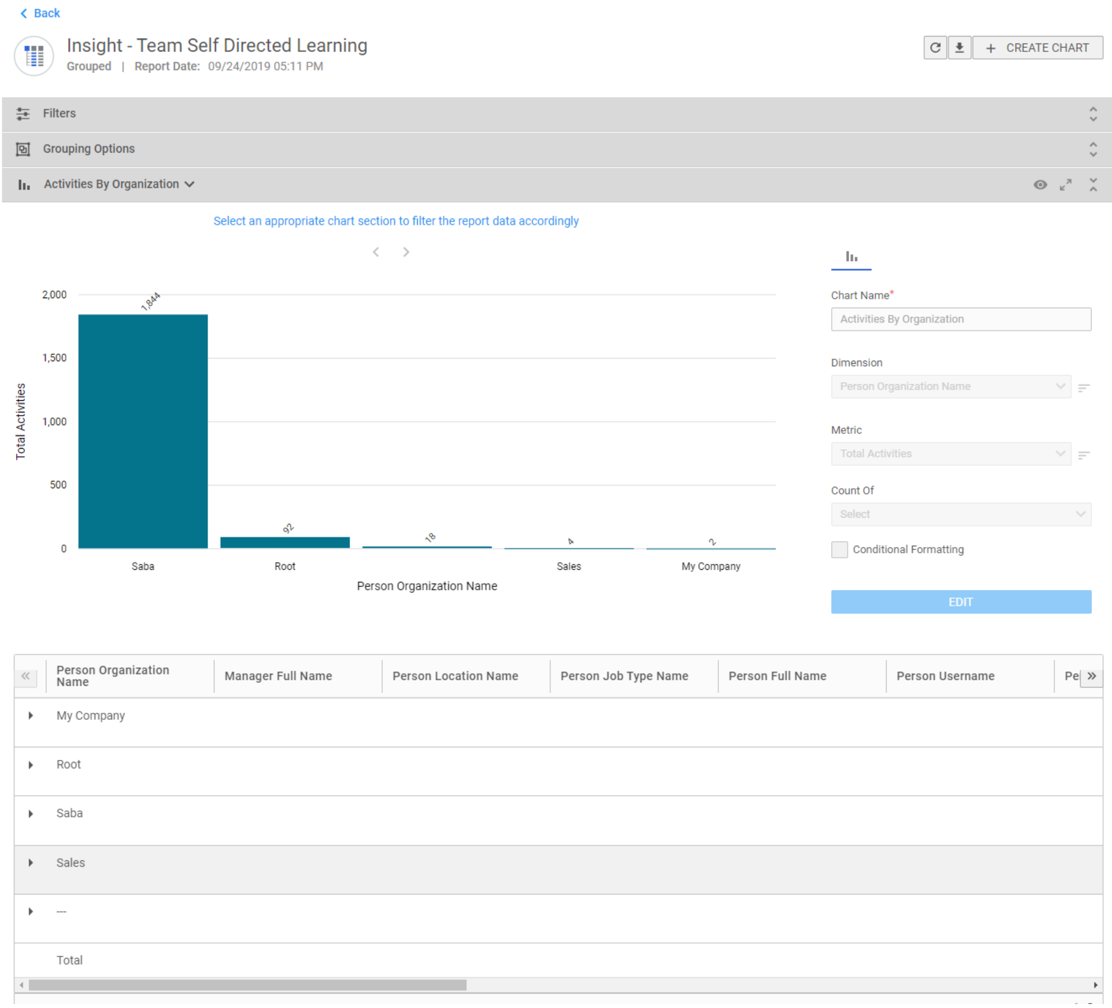


Figure 28: Insight - Team Self Directed Learning

Report Details

This section provides high-level details of the Insight - Team Self Directed Learning.

Filters

This report uses the following mandatory filters:

1. Learning Record Added On
2. Is Terminated
3. Include Manager Hierarchy
4. Hierarchy Manager Full Name

Dimensions

This report uses the following dimensions:

1. Person Organization Name
2. Manager Full Name
3. Person Location Name
4. Person Job Type Name
5. Person Full Name
6. Person Username
7. Person E-mail

8. Resource Name
9. Verb
10. Resource Type
11. Learning Record Added On
12. LRS Activity Name
13. Score
14. Activity Provider

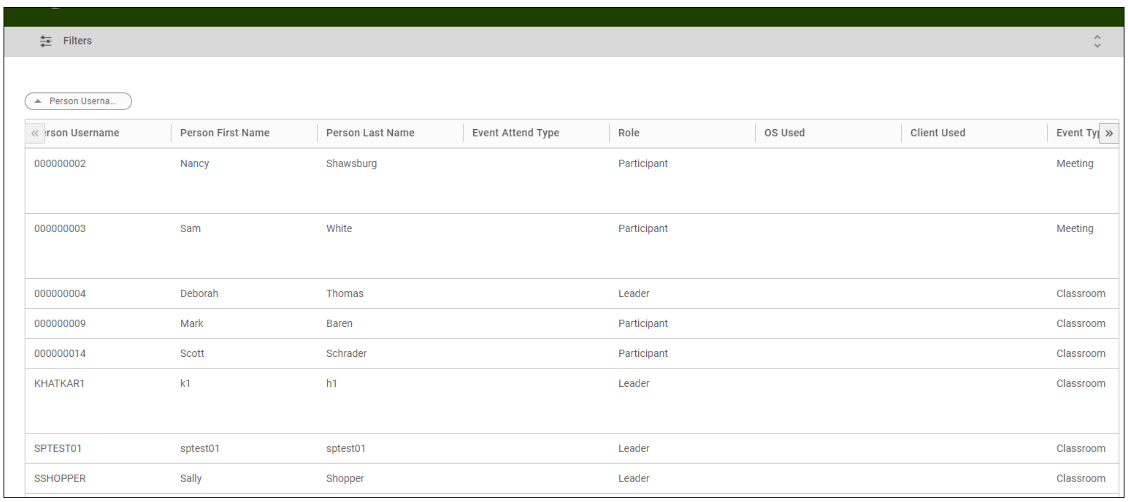
Metrics

This report uses the following metrics:

1. Total Activities

Insight - Saba Meeting's event attendance details Report

This report allows meeting administrators to see the use of Saba Meeting based on the number of events and unique attendees for a given duration.



...rson Username	Person First Name	Person Last Name	Event Attend Type	Role	OS Used	Client Used	Event Ty...
000000002	Nancy	Shawsburg		Participant			Meeting
000000003	Sam	White		Participant			Meeting
000000004	Deborah	Thomas		Leader			Classroom
000000009	Mark	Baren		Participant			Classroom
000000014	Scott	Schrader		Participant			Classroom
KHATKAR1	k1	h1		Leader			Classroom
SPTEST01	sptest01	sptest01		Leader			Classroom
SSHOPPER	Sally	Shopper		Leader			Classroom

Figure 29: Insight - Saba Meeting's event attendance details Report

Report Details

This section provides high-level details of the Insight - Saba Meeting's event attendance details Report.

Filters

This report uses the following mandatory filters:

1. Event Type
2. Event Attend Type
3. Event Start Date

Dimensions

This report uses the following dimensions:

1. Person Username
2. Person First Name
3. Person Last Name
4. Event Attend Type
5. Role
6. OS Used

7. Client Used
8. Event Type
9. Event Name
10. Enter Time
11. Exit Time
12. Event Duration

Insight - Self-Directed learning details

This report presents an overview of self-directed learning taken by learners and details of the content they accessed.

This report needs the following services:

- Saba Discovery
- me:time

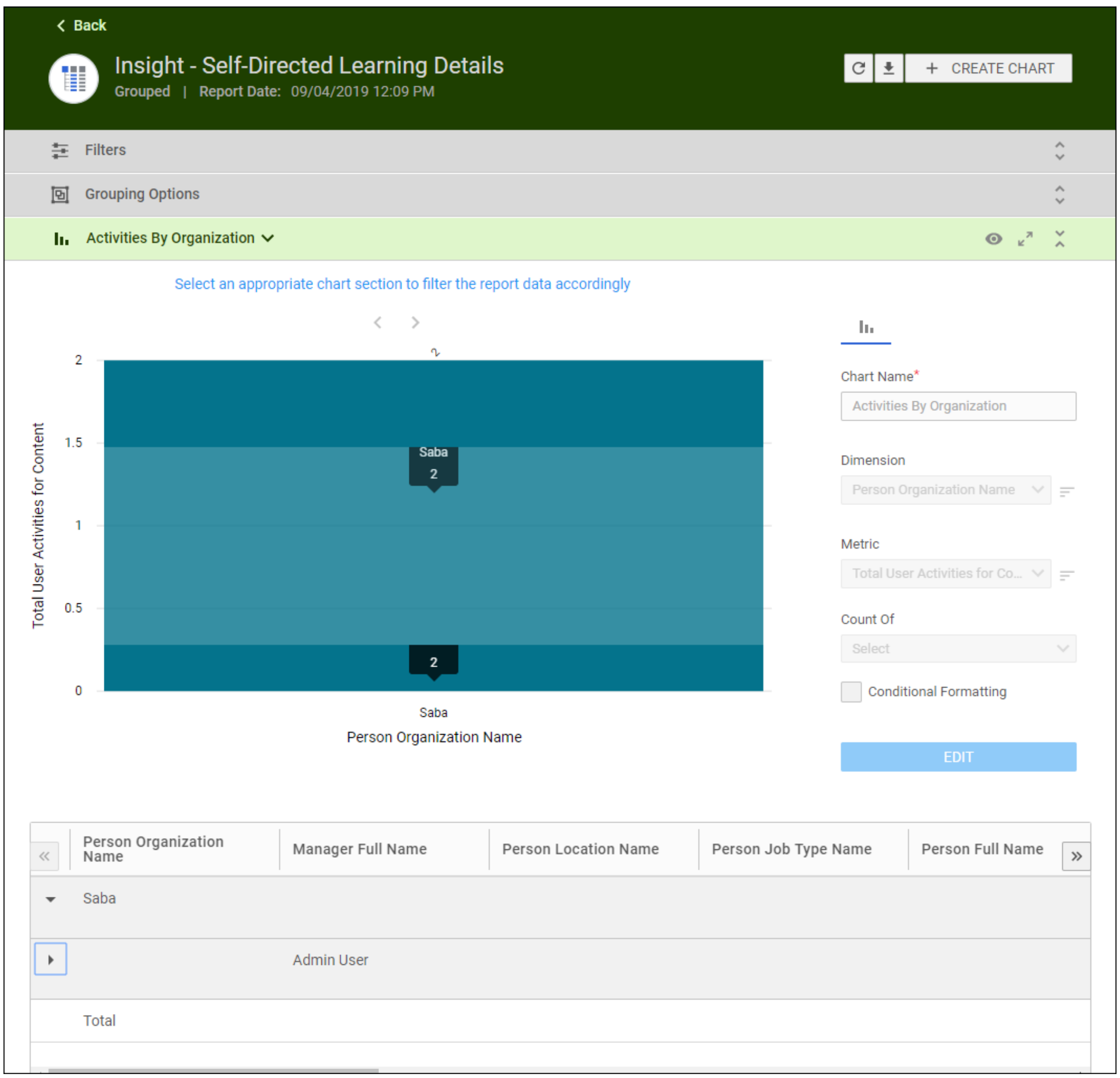


Figure 30: Insight - Self-Directed learning details Report

Report Details

This section provides high-level details of the Insight - Self-Directed learning details Report.

Filters

This report uses the following mandatory filters:

1. Content Last Viewed On
2. Is Terminated

This report uses the following optional filters:

1. Person Organization Name
2. Manager Full Name

Dimensions

This report uses the following dimensions:

1. Person Organization Name
2. Manager Full Name
3. Person Location Name
4. Person Job Type Name
5. Person Full Name
6. Person Username
7. Content Title
8. Content Vendor
9. User Content Rating
10. Content Last Viewed On
11. Content Last Rated On
12. User Rating Comment

Metrics

This report uses the following metrics:

1. Average Content Rating
2. Total User Views for Content
3. Total User Activities for Content

Team Skill Level Historical Comparison Report

This report gives an overview of the team skills and historical skill level comparison for the given historical date.

This report needs the following services:

- Skills

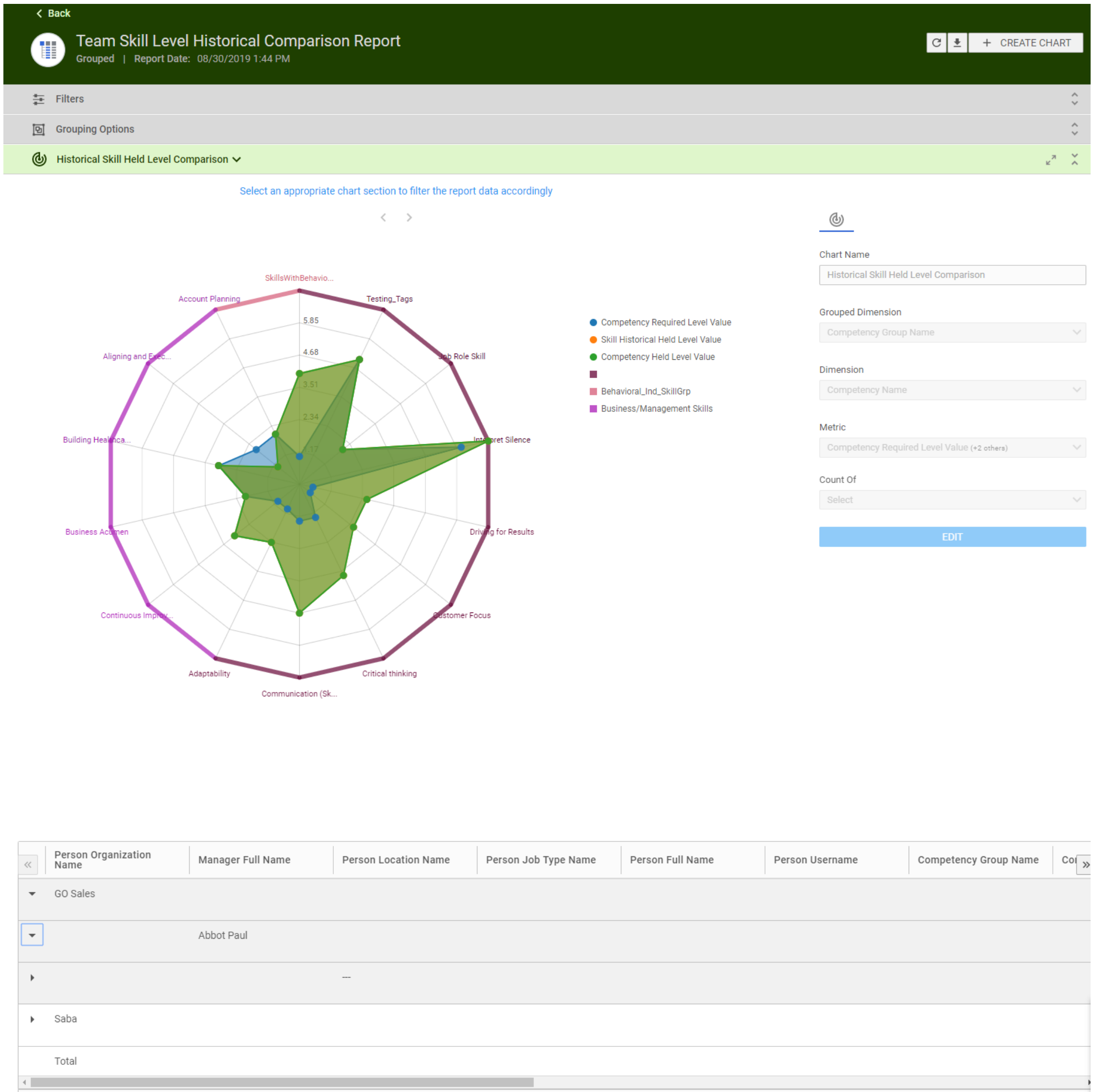


Figure 31: Team Skill Level Historical Comparison Report Example

Report Details

This section provides high-level details of the Team Skill Level Historical Comparison Report.

Filters

This report uses the following mandatory filters:

1. Skill Historical Record Date
2. Is Terminated
3. Include Manager Hierarchy
4. Hierarchy Manager Full Name

This report uses the following optional filters:

1. Skill Name
2. Person Full Name

Dimensions

This report uses the following dimensions:

1. Person Organization Name
2. Manager Full Name
3. Person Location Name
4. Person Job Type Name
5. Person Full Name
6. Person Username
7. Skill Group Name
8. Skill Name
9. Skill Required Level Name
10. Skill Held Level Name
11. Skill Historical Held Level Name

Metrics

This report uses the following metrics:

1. Skill Gap
2. Skill Held Level Historical Value
3. Skill Required Level Value
4. Skill Held Level Value

New Attributes

Compensation

This section describes the attributes that have been added under the Compensation reports model in the Saba application.

Table 2: Compensation Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Person Com~pensation Cycle Details	Comments	Dimension	No	Compensation comments

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Learning

This section describes the attributes that have been added under the Learning reports model in the Saba application.

Table 3: Learning Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Assessment Results	Assessment Topic Score	Dimension	No	Assessment Topic Score
Assessment Results	Assessment Subtopic Score	Dimension	No	Assessment Subtopic Score
Assessment Results	Assessment Topic Score	Metric	No	Assessment Topic Score
Assessment Results	Assessment Subtopic Score	Metric	No	Assessment Subtopic Score
Certification Details	Primary Cat~egory	Dimension	No	Boolean attribute to show if associated cat~egory is primary or not
Curricula De~tails	Primary Cat~egory	Dimension	No	Boolean attribute to show if associated cat~egory is primary or not
Courses	Primary Cat~egory	Dimension	No	Boolean attribute to show if associated cat~egory is primary or not
Courses	Course Aver~age Rating	Metric	No	Course Average Rating
Courses	Course As~signed On (All Sources)	Dimension	No	Assigned On date for Course from each type of Source
Courses	Course Vendor Num~ber	Dimension	No	Vendor Organization Number for the Course
Learner Certi~fication Details	Certification Progress Is Recertification Required	Dimension	No	Shows Yes, if the Certification Acquired in the past was marked with Status Acquired - Recertification Needed

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Certification Details	Certification Keywords	Dimension	No	Shows the keyword added to the certification
Curricula Details	Curricula Keywords	Dimension	No	Shows the keyword added to the curricula
Learner Certification Details	Certification assigned by Status	Dimension	No	Status of source that assigned particular certification to learner
Learner Certification Details	Certification Assigned By (All Sources) Status	Dimension	No	Status of source that assigned particular certification to learner. This attribute is used along with All Source attribute
Learner Certification Details	Certification Path Module Completion Status	Dimension	No	Certification Path Module Completion Status
Orders and OrderItems	Subscription Start Date	Dimension	No	Start Date of the Learning Subscription
Orders and OrderItems	Subscription End Date	Dimension	No	End Date of the Learning Subscription
Orders and OrderItems	Subscription Status	Dimension	No	Status of the Learning Subscription
Orders and OrderItems	Order Item Catalog Type	Dimension	Yes	Catalog Type of order items e.g. Courses, Certifications, Curricula and Packages
Orders and OrderItems	Order Item Catalog Name	Dimension	Yes	Name of order items
Orders and OrderItems	Subscription Order Custom10	Dimension	No	Subscription Order Custom10
Orders and OrderItems	Subscription Order Custom11	Dimension	No	Subscription Order Custom11

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Orders and OrderItems	Subscription Order Cus~ tom12	Dimension	No	Subscription Order Custom12
Orders and OrderItems	Subscription Order Cus~ tom13	Dimension	No	Subscription Order Custom13
Orders and OrderItems	Subscription Order Cus~ tom14	Dimension	No	Subscription Order Custom14
Promotions	Promotion Re~ demption Quantity	Dimension	No	The quantity for redemption
Promotions	Promotion Re~ demption Quantity Per Person	Dimension	No	The quantity per person for redemption that will restrict the person from availing same promo code more than the specified usage limit.
Promotions	Promotion Discount Type	Dimension	No	Shows one of the following types of dis~ counts: Percentage Flat
Promotions	Promotion Discount	Dimension	No	Numeric value associated with Discount Type
Promotions	Promotion Re~ demption Amount Cur~ rency	Dimension	No	Currency Name for the Redemption Amount Price
Promotions	Promotion Re~ demption Amount Price	Dimension	No	Price that can be redeemed by the user.
Promotions	Promotion Audience Type / Audi~ ence Sub Type	Dimension	No	Audience type and audience sub type asso~ ciated with the promotion code.

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Promotions	Promotion Catalog Item Name	Dimension	No	Name of catalog items associated to the promotion code
Promotions	Promotion Catalog Item Number	Dimension	No	Item Number of catalog items associated to the promotion code i.e. Course ID, Class ID, Subscription No, Package No
Promotions	Promotion Catalog Item Type	Dimension	No	Type of catalog items associated to the pro~ motion code
Promotions	Promotion Catalog Item Is Included	Dimension	No	Shows Yes, if the catalog item is included in the promotion and shows No, if the item is excluded
Promotions	Promotion Distribution Person Name	Dimension	No	Full name of the person associated with Promotion
Promotions	Promotion Distribution Organization Name	Dimension	No	Name of the Organization Associated with Promotion
Promotions	Promotion De~ scription	Dimension	No	Description of the Promotion
Registration	Instructor Notes Added By Fullname	Dimension	No	Instructor Notes Added By Fullname

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Self-Directed Learning

This section describes the attributes that have been added under the Learning reports model in the Saba application.

Table 4: Self-Directed Learning Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Self-Directed Learning Con~tent	Content Title	Dimension	No	Title of the content accessed for self-directed learning
Self-Directed Learning Con~tent	Content Vendor	Dimension	No	Vendor of the content accessed for self-dir~ected learning
Self-Directed Learning Con~tent	Content Ver~sion	Dimension	No	Version of the content accessed for self-dir~ected learning
Self-Directed Learning Con~tent	Content Likes	Metric	No	Total number of likes for the self-directed learning content
Self-Directed Learning Con~tent	Content Views	Metric	No	Total number of views for the self-directed learning content
Self-Directed Learning Con~tent	Content Unique Views	Metric	No	Total Unique views for self-directed learning content
Self-Directed Learning Con~tent	Average Con~tent Rating	Metric	No	Average Rating for the content
User Self-Dir~ected Learn~ing	Interest Name	Dimension	No	Name of the interest added by learner on Me:Time page
User Self-Dir~ected Learn~ing	User Interest Added On	Dimension	No	Date on which user interest was added
User Self-Dir~ected Learn~ing	User Content Rating	Dimension	No	Rating given by the learner to the content

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
User Self-Directed Learning	Content Last Viewed On	Dimension	No	Latest date on which the learner has accessed the content
User Self-Directed Learning	Total User Activities for Content	Metric	No	Total number of contents accessed by learner
User Self-Directed Learning	Total User Views for Content	Metric	No	Total number of views for the content by given learner
User Self-Directed Learning	User Rating Comment	Dimension	No	The comment added while rating the content
User Self-Directed Learning	Content Last Rated On	Dimension	No	The date on which the learner rated the content

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Profile

This section describes the attributes that have been added under the Profile reports model in the Saba application.

Table 5: Profile Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Education	Education Custom0	Dimension	No	Custom0 field of Education
Education	Education Custom1	Dimension	No	Custom1 field of Education
Education	Education Custom2	Dimension	No	Custom2 field of Education
Education	Education Custom3	Dimension	No	Custom3 field of Education

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Education	Education Custom4	Dimension	No	Custom4 field of Education
Education	Education Custom5	Dimension	No	Custom5 field of Education
Education	Education Custom6	Dimension	No	Custom6 field of Education
Education	Education Custom7	Dimension	No	Custom7 field of Education
Education	Education Custom8	Dimension	No	Custom8 field of Education
Education	Education Custom9	Dimension	No	Custom9 field of Education
External Work	External Work Custom0	Dimension	No	Custom0 field of External Work History
External Work	External Work Custom1	Dimension	No	Custom1 field of External Work History
External Work	External Work Custom2	Dimension	No	Custom2 field of External Work History
External Work	External Work Custom3	Dimension	No	Custom3 field of External Work History
External Work	External Work Custom4	Dimension	No	Custom4 field of External Work History
External Work	External Work Custom5	Dimension	No	Custom5 field of External Work History
External Work	External Work Custom6	Dimension	No	Custom6 field of External Work History

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
External Work	External Work Custom7	Dimension	No	Custom7 field of External Work History
External Work	External Work Custom8	Dimension	No	Custom8 field of External Work History
External Work	External Work Custom9	Dimension	No	Custom9 field of External Work History
External Work	Geography	Dimension	No	Geography Field Present on Me > Profile
External Work	Industry	Dimension	No	Industry Field present on Me > Profile
Person Skills	Held Skill Level Last Ac~ quired On	Dimension	No	Skill Level Lastest Acquired On Date
Person Details	Is Two Factor Authentication Enabled	Dimension	No	Shows Yes if learner has enabled two factor authentication
Person Organ~ ization	Is Learning Manufacturer	Dimension	No	Shows Yes if the External Organization is marked as Learning Manufacturer
Person Organ~ ization	Is Learning Vendor	Dimension	No	Shows Yes if the External Organization is marked as Learning Vendor
Person Organ~ ization	Organization Updated On	Dimension	No	Last Updated On date for Organization
Person Skills Snapshot	Skill Historical Held Level Name	Dimension	No	Name of the Skill held Level present in the snapshot
Person Skills Snapshot	Skill Historical Held Level Value	Metric	No	This metric attribute will show the average numeric value of the Skill Held level values present in the snapshot.

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Person Skills Snapshot	Skill Historical Record Date	Dimension	No	Based on the value selected for Analytics Configuration "Skill Held Level Baseline Date", this attribute will return the Year or Month-Year value when used as filter. If configuration is set as Yearly, it will help user to select snapshot values for the Year, if the selected value is monthly then it will select the data for Month and Year of the selected date. The configuration's value should be in sync with frequency set in the notification "Copy skills assessment data for analytical purpose"
Person Skills Snapshot	Skill Historical Is Active Snapshot	Dimension	No	This attribute will show the value Yes for the latest snapshot of Skill held level data. In case of Yearly snapshots, it will be Yes for all the records. In case of Monthly snapshots, it will be Yes only for the last snapshot for others it will be No.

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Pulse 360

This section describes the attributes that have been added under the Pulse 360 reports model in the Saba application.

Table 6: Pulse 360 Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Pulse 360 Details	Person Terminated On	Dimension	Yes	Person Terminated On
Pulse 360 Details	Is Terminated	Dimension	Yes	Is Terminated. "Is terminated" attribute will always derive the active/inactive users on the basis of sysdate. (i.e. users having terminated on date in pulse snapshot less than sysdate will be considered active)
Pulse 360 Details	Manager Person Number	Dimension	Yes	Manager Person Number
Pulse 360 Details	Manager Username	Dimension	Yes	Manager Username

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Pulse 360 De~tails	Manager Full Name	Dimension	Yes	Manager Full Name
Pulse 360 Feedback	Person Termin~ated On	Dimension	Yes	Person Terminated On
Pulse 360 Feedback	Is Terminated	Dimension	Yes	Is Terminated
Pulse 360 Feedback	Manager Per~son Number	Dimension	Yes	Manager Person Number
Pulse 360 Feedback	Manager Username	Dimension	Yes	Manager Username
Pulse 360 Feedback	Manager Full Name	Dimension	Yes	Manager Full Name

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Notes:

- Managers having less than 5 active direct reportees will not be shown in pulse reporting. (This is also applicable for Org, Location and Job).
- The Pulse 360 reporting model is available only for the admin context. The admin can view and filter manager data in the report.
- As pulse reporting model is standalone and it is not connected with the Person-Manager model, the hierarchy is not available for the manager.

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 7: System Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description

Use case

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Social

This section describes the attributes that have been added under the Social reports model in the Saba application.

Table 8: Social Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Blogs/Work~space/Chan~nelVideo	Workspace Shared With Team	Dimension	No	Workspace shared with team

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Saba Meeting

This section describes the attributes that have been added under the Saba Meeting reports model in the Saba application.

Table 9: Saba Meeting Details

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Attendance	Role	Dimension	No	User's role in meeting
Attendance	Exit Status	Dimension	No	User's exit status

Entity Name	Attribute Name	Attribute Type	Available in Dashboard	Description
Attendance	Enter Time	Dimension	No	This attribute is different from existing attrib~ ute Entered meeting (Time). Entered meeting (Time) shows the first time user entered a meeting. In case user gets dropped and joins again, value for Entered meeting (Time) will not change but Enter Time will show actual time every time user joined a particular meeting
Attendance	Exit Time	Dimension	No	This attribute is different from existing attrib~ ute Exited meeting (Time). Exited meeting (Time) shows the last time user exited a meeting. In case user gets dropped and joins again, value for Exited meeting (Time) will not change but Exit Time will show actual time every time user left a particular meeting
Event	Registered User Count	Dimension	No	Number of users registered for meeting

Users can now pull these new attributes (Dimensions / Metrics) while creating or updating the Analytics reports.

Chapter

3

Ecommerce

Topics:

This section includes the following topics that will guide you through the new features and improvements under Ecommerce.

Introducing hosted checkout for Cybersource, PayFlow, and Stripe

Prior to this update, if you were using Cybersource, PayFlow, or Stripe, you were able to enter the credit card details in Saba Cloud and continue with the process on the payment gateway. There was also another option to use the custom credit card configuration where you were redirected to the gateway's hosted page.

Saba Cloud now supports both the flows where either you can enter the card details on Saba Cloud and proceed with the payment process on the payment gateway or provide all the details on the selected payment gateway itself. A new site property **Hosted checkout** has been added in **Payment Configuration** for a microsite. By default, this property is disabled. When disabled, the current flow is applicable where you enter the credit card details in Saba Cloud and proceed with the payment on the selected payment gateway. When enabled, you will be redirected to the hosted payment gateway checkout page for the complete credit card payment process.

In addition to this, Saba Cloud also supports **3D Secure** (3-domain structure) security protocol, also known as a **payer authentication**, that helps in preventing the fraudulent online credit and debit card transactions.

To use this hosted checkout feature, we recommend you do the following settings in your Cybersource, PayFlow, and Stripe configurations:

- CyberSource

  A Secure Acceptance Web and Mobile method is used for integration with CyberSource.

  1. Navigate to **Payment Configuration** > **Secure Acceptance Settings** > ***Profile*** > specify **Hosted Checkout** in **Integration Methods**.
  2. Select the **Payment Tokenization** checkbox and other desired services in the **Added Value Services**.
  3. Go to **Payment Settings** and set the **Payer Authentication 3DS Version** either as **3DS 2** if you want to avail the OTP authentication service or as **3DS 1**.
  4. Go to **Payment Form** and set the form as per your requirement.
  5. Go to **Customer Response** and set the **Transaction Response Page** and **Custom Cancel Response Page** to **Hosted By You**.
  6. Contact the CyberSource representative for any queries related to the cardinal API generated by the payment gateway.

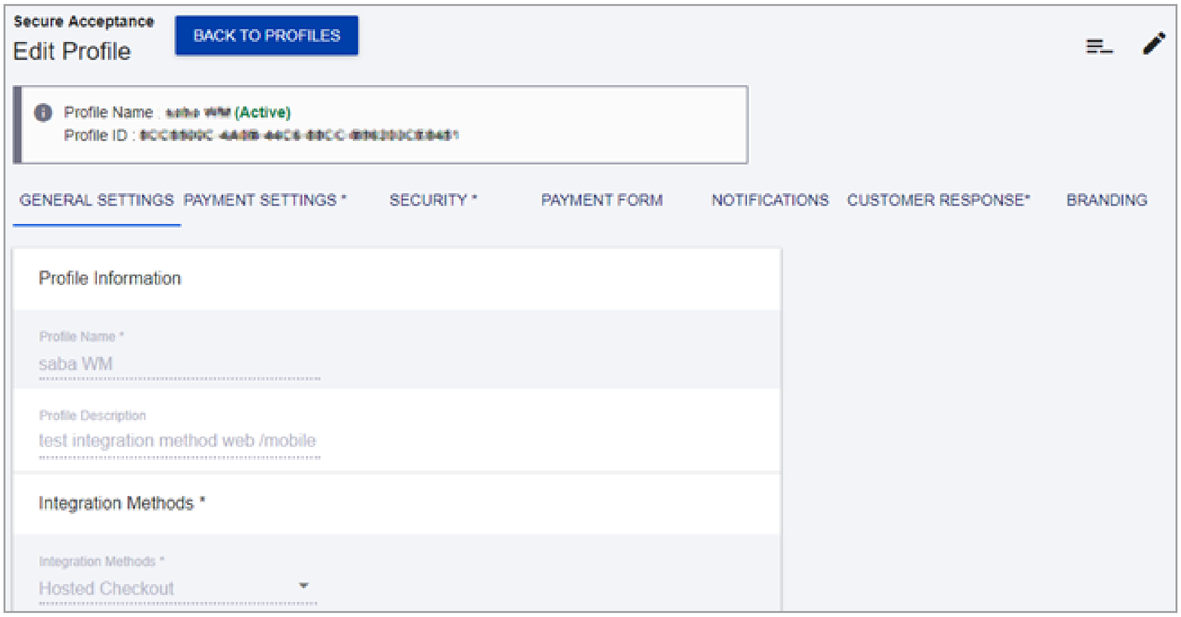


Figure 32: CyberSource Hosted Checkout Details

- PayFlow

  1. Click **Service Settings** and setup, customize and integrate the hosted checkout page.
  2. Click **Customize** and use the **Layout C** for the credit card form page.
  3. Contact your PayFlow support to enable the buyer authentication functionality.

- Stripe

  Saba Cloud uses **Checkout server integration method** for integration with Stripe.

  1. Go to **Settings** > **Branding** and configure branding for the credit card form page and other details like billing addresses.
  2. Saba Cloud generates a session which returns Session ID and Payment Intent ID. Session ID will be used to redirect users to the credit card form page hosted by Stripe using stripe JS library.
  3. Return URL will be set dynamically for every session. On successful redirect from Stripe, Saba Cloud charges based on the configuration and confirms the order.

New Check Out page for Managers

In the last update, a new Check Out page was introduced that was simple, clean, and responsive with an aim to simplify the desktop experience. The responsive UX was optimized for a variety of screen sizes and resolutions. This page was available only for learners.

The Check Out page is now available for managers as well.

Notes:

- This page is available only when the **Checkout Beta** service within the **Ecommerce** service is enabled. By default, the service is disabled. To enable this feature, submit a support request.
- This page is not available for registrars.

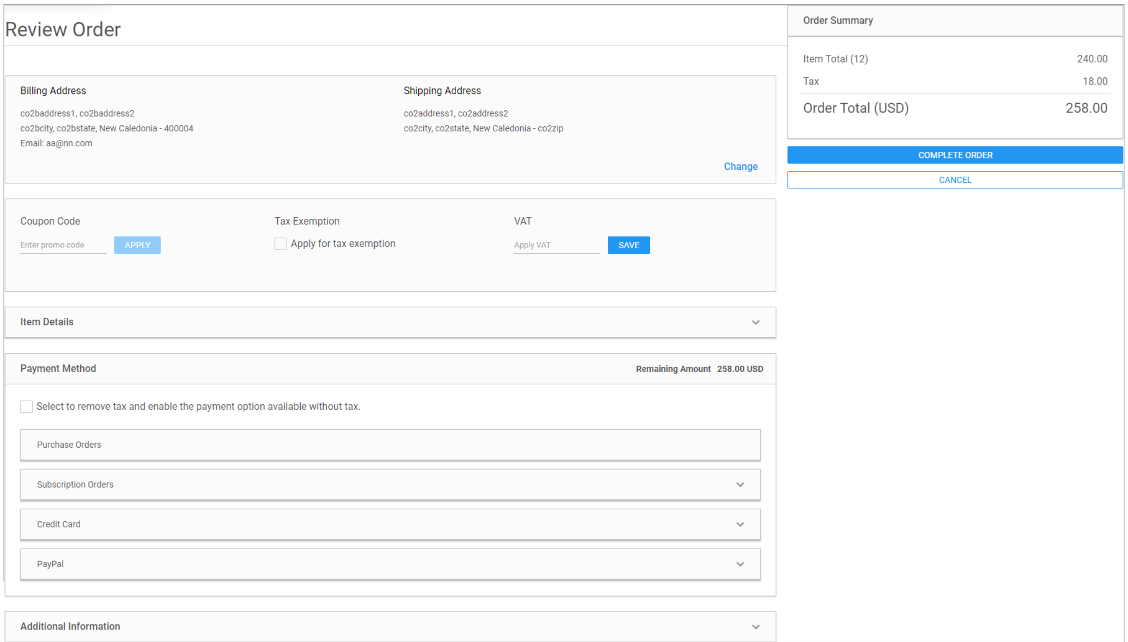


Figure 33: Check Out page for Managers

The **Additional Expenses** section within **Item Details** allows you to select the options per learner. You can either select one of the options and use it for all the learners or select options per learner. While making the selections per learner or for all learners, you can notice the change of price in the **Item Details** and **Order Summary** section.

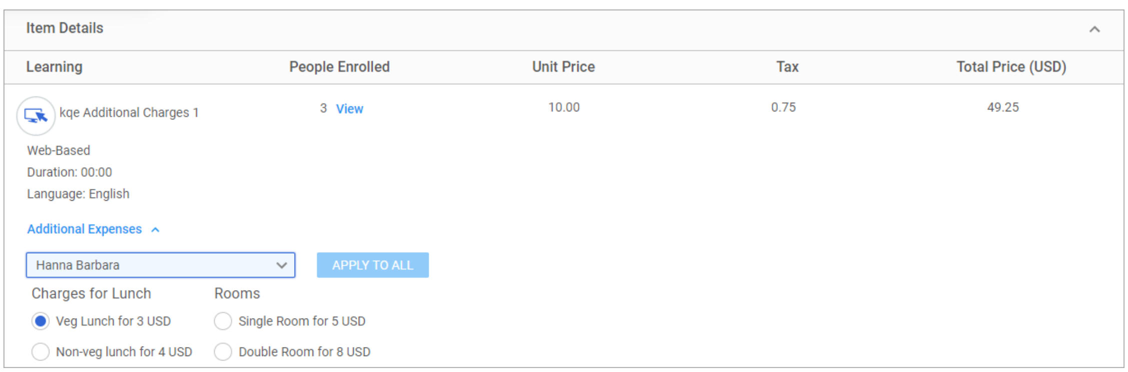


Figure 34: Additional Expenses section for Managers

Chapter 4

Learning

Topics:

This section includes topics to guide you through new features and improvements under Learning.

Assessment

New Per Choice feedback option for test questions

Prior to this update, the **Edit Feedback** property in "Multiple Choice (single answer)" test question type supported only **General** and **Correct/Incorrect** feedback options. If users created a multiple choice question with multiple responses, then there was no option to provide unique feedback for each response.

This update introduces the new **Per Choice** option for the **Edit Feedback** property in "Multiple Choice (single answer)" test questions.

Note: This field is only applicable for tests and is available when the **Advanced Assessment** service is enabled. It is not used in surveys.

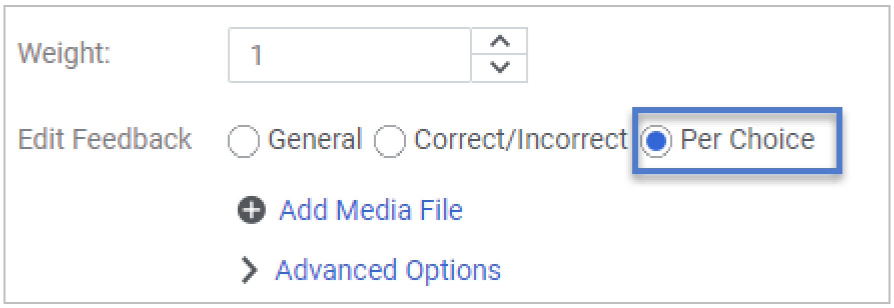


Figure 35: Per Choice option

Selecting this option enables the feedback field for each choice in the test question as shown below.

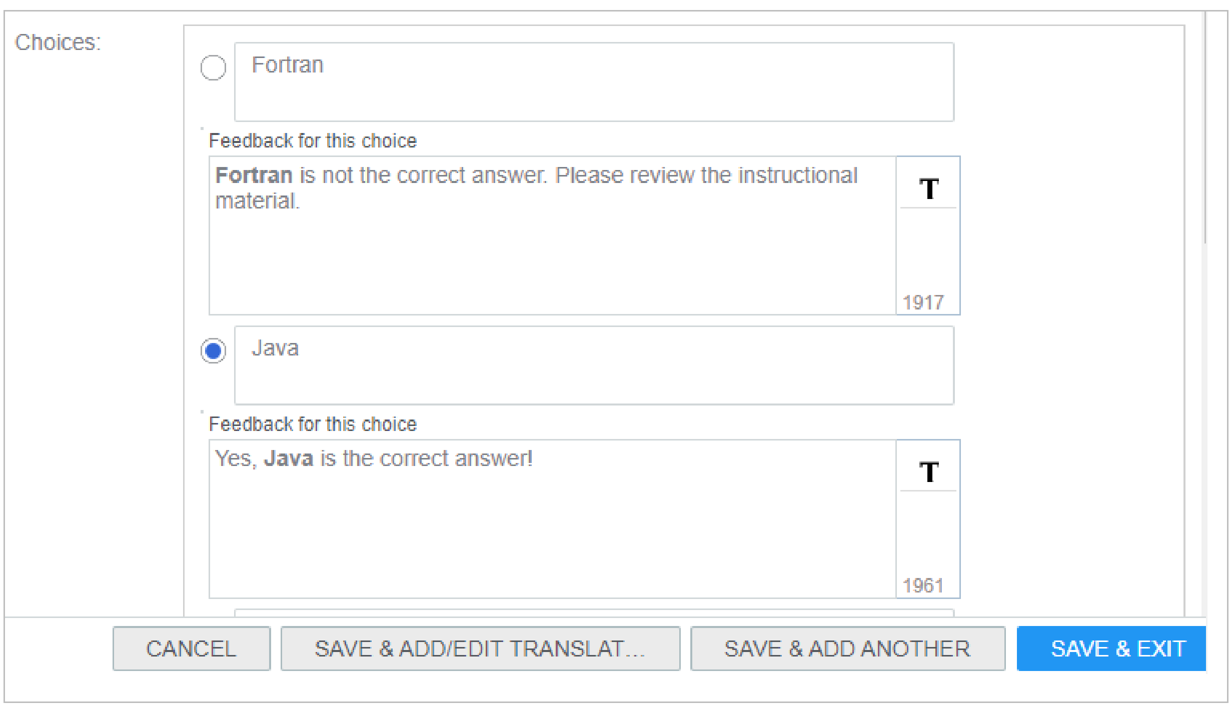


Figure 36: Feedback per choice

The new feedback fields for each choice support formatted text with a limit of 2000 characters, including formatting or styling tags.

Changes to question export for translation

To support feedback per choice in the exported test questions for translations, this update adds a choice feedback column per language to the exported file.

Content

Modern content player enhancements

The Modern Content Player is enhanced to include the following capabilities:

- Error handling

  The player now handles the following error scenarios by displaying appropriate error messages to users:

  - When an activity cannot be launched because the activity is part of a sequence of activities and the previous activity is not yet attempted by the user.
  - When an activity cannot be launched because the maximum number of attempts for this activity are already reached by the user.
  - When an activity cannot be launched because the activity has expired.

- Display launch attempts

  When the maximum number of launch attempts are defined for an activity, and if a user launches the activity, then the player now displays a popup screen that displays the number of attempts remaining and actions for the user to either proceed with the launch or exit it.

- Restrict launch

  The player now restricts launching of an activity in the following scenarios:

  - Purged content
  - On hold content
  - Expired content
  - Pre/Post content - Allows only a single launch of such activity

Deprecated Content microsite properties

The following **Content** related microsite properties have been deprecated for System Administrators:

1. Private key file location
2. Certificate Expiry (in hours)
3. Root URL of Saba application
4. Temporary Directory for file upload and download
5. Chunk Size for file downloading
6. Bypass Content Results reporting call validation(0=No, 1=Yes)
7. Tenant type for OpenSesame
8. Force course image update in Bulk content import
9. Supported server for Social download and preview

10. Deprecate Anonymous Access Of Public Folder

System Administrators can no longer see these properties under **Admin** > **System** > **Configure System** > **Microsites** > ***<sitename>*** > **Content**.

These properties are only available to the Saba Cloud "admin" user now.

Note: If you need to configure any of these properties for your site, submit a request. For more details, contact Saba support.

Learning Activity

New named queries to notify mandatory learning

Organizations need to send a different message in a reminder email for learning that is assigned as mandatory than those just assigned for personal development. By providing new named queries, organizations can configure notifications to send separate messages to learners for their mandatory learning.

Prior to this update, there was no provision to send separate messages in reminder notifications to learners and managers for mandatory learning due for learners.

Saba Cloud now provides an option for configuring reminder notification emails with a separate message specifically for mandatory learning due for learners, by introducing the following new named queries:

For Learners

- Learner whose learning activity is not acquired and learning is marked as mandatory
- Learner whose learning activity is not acquired and learning is not marked as mandatory

For Managers

- Manager of learner whose learning activity is not acquired and learning is marked as mandatory
- Manager of learner whose learning activity is not acquired and learning is not marked as mandatory
- Organization Manager of learner whose learning activity is not acquired and learning is marked as mandatory
- Organization Manager of learner whose learning activity is not acquired and learning is not marked as mandatory
- Alternate Manager of learner whose learning activity is not acquired and learning is marked as mandatory
- Alternate Manager of learner whose learning activity is not acquired and learning is not marked as mandatory

The new named queries are added to the following existing notification events:

- Recurring Course Due in 15 Days
- Recurring Course Due in 30 Days
- Recurring Course Due Today
- Recurring Course Overdue by X Days
- Certification Due in 15 Days
- Certification Due in 30 Days
- Certification Due Today
- Certification Overdue by X Days
- Curriculum Due in 15 Days
- Curriculum Due in 30 Days
- Curriculum due today
- Curriculum Overdue by X Days

To configure the named queries, System Administrators must navigate to **Admin** > **System** > **Manage Notifications** > **Events** and edit the required notification event.

New notifications for discontinued courses of registered users

Prior to this update, there was no way of notifying users when their registered course was discontinued. The existing **Course discontinue in X days** notification could be configured to inform users only when a course assigned to them was discontinued

With this update, Saba Cloud introduces the following new notifications that can be configured to inform users when their registered course is being discontinued.

Table 10: New notifications

Notification	Type	Description
Discontinue course for self-registered Instructor-Led Class in X days	Periodic	Triggered *X* days before the discontinue date of a course for users registered to its ILT class, where X is defined in the **Reminders** field in the event.
Discontinue course for self-registered Web-Based Class in X days	Periodic	Triggered *X* days before the discontinue date of a course for users registered to its WBT class, where X is defined in the **Reminders** field in the event.
Discontinue course for self-registered Blended Class in X days	Periodic	Triggered *X* days before the discontinue date of a course for users registered to its Blended class, where X is defined in the **Reminders** field in the event.
Discontinue course for self-registered Virtual Classroom in X days	Periodic	Triggered *X* days before the discontinue date of a course for users registered to its Virtual class, where X is defined in the **Reminders** field in the event.

In addition to all existing registration-related named queries, these notifications support the following new named queries:

- Position Incumbent of a Parent Position marked Interim
- Position Incumbent of a Parent Position marked Primary

In addition to all registration-related keywords, these notifications support the following new keyword:

- @Reg_course_Discontinue_Date@

To configure the notifications, System Administrators must navigate to **Admin** > **System** > **Configure System** > **Services** > **Learning** > **Catalog** > **Courses**.

New notification to inform when content is added to completed registrations

Prior to this update, when new content was added to completed registrations of users, Saba Cloud triggered a pre-configured notification to all learners who completed the class, and to their managers. However, this notification event was not available for configuration from the user interface.

This update now makes the following notification visible under **Learning** > **Orders** service so that System Administrators have the ability to configure the event as required.

Table 11: Notification details

Notification Event	Type	Description
New Content Added to Learner Profile	Triggered	Triggered when new content is added to completed registra~ tions and sent to all users who have completed the class, and to their managers. **Note:** The only impact of adding the new content module is to make the content available for learners to launch and view. It does not change the completion status of the class.

The following new keywords are added to this notification:

- @RegistrationModule_Assignment_Name@
- @RegistrationModule_Class_Name@
- @RegistrationModule_Learner_Name@
- @RegistrationModule_Task_No@
- @RegistrationModule_Task_Status@

To configure the notification, System Administrators must navigate to **Admin** > **System** > **Services**, expand the **Learning** > **Orders** service and click the **Notifications** tab.

New named queries for position incumbents

With this update, the following new named queries are added for position incumbents:

- Position Incumbent of a Parent Position marked Interim for registered learner
- Position Incumbent of a Parent Position marked Primary for registered learner

These named queries are added to the following notifications:

- Instructor-Led Class Cancelled
- Blended Class Cancelled
- Virtual classroom Cancelled

To configure the named queries, System Administrators must navigate to **Admin** > **System** > **Manage Notifications** > **Events** and edit the required notification event.

Improved Assign Learning page for Managers

Prior to this update, the managers including Alternate Managers and Organization Managers used the **Assign Learning** link under **Team Actions** to assign the learning items in bulk to the selected learners. Through this link, the manager could register their team members for one or more classes, assign any learning activity to their plan, and register them for a certification or curriculum. It is a process of about 4-5 steps to assign the learning.

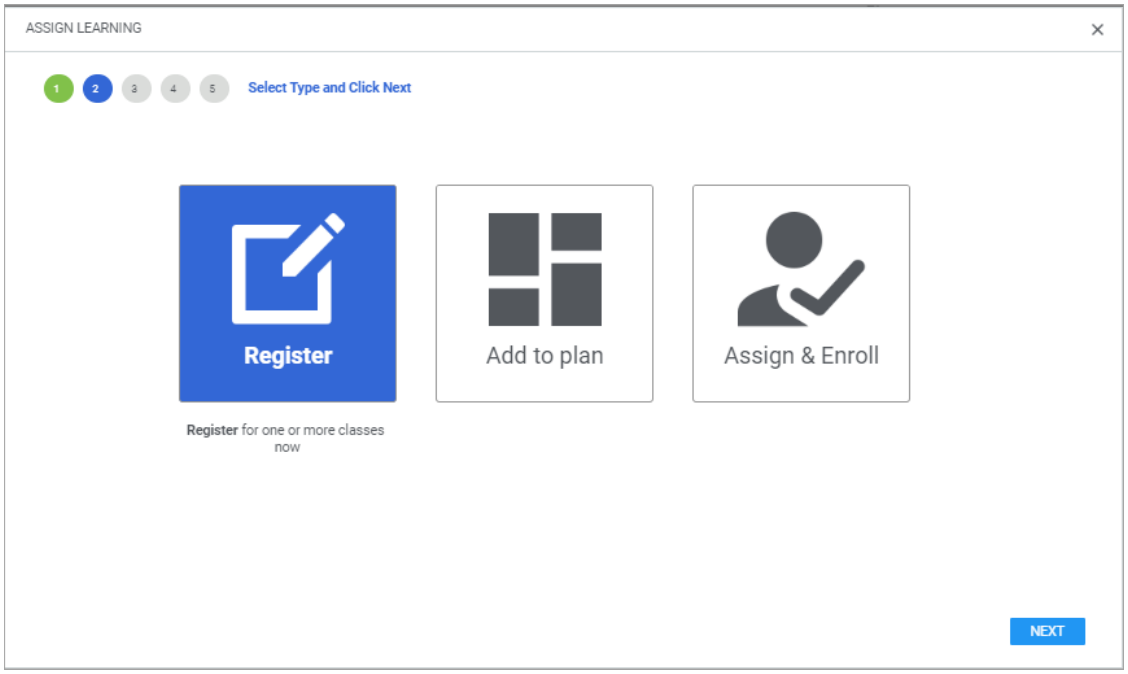


Figure 37: Existing Assign Learning Wizard

The same **Assign Learning** workflow is now improved where the entire process from selecting the type to registering for the class, certification, or curriculum is presented on the same page. A new link **Enhanced Assign Learning** appears under the **Team Actions**. The manager can see both the links and either of them depending on the option selected in the **Show Assign Learning Views for Manager** setting under the **Learning** service. If you want to show any one of the links, contact your System Administrator.

Figure 38: Enhanced Assign Learning page

Though the functionality is the same as the old one there are some benefits for using this new page:

1. Single page screen for selecting the type, learning item and learners thus saving your time.
2. Simplified layout.
3. Selected learning items and persons appearing in chips that are easy to read and delete, if not required.
4. Clear indication of errors and warnings when you select one or many persons. The selected person chip appears in **red** if there is an **error**, in **yellow** if there is a **warning**, and **green** if there is no conflict. You can either click the person chip to view the error and warning directly or use the **View Errors & Warnings** link.

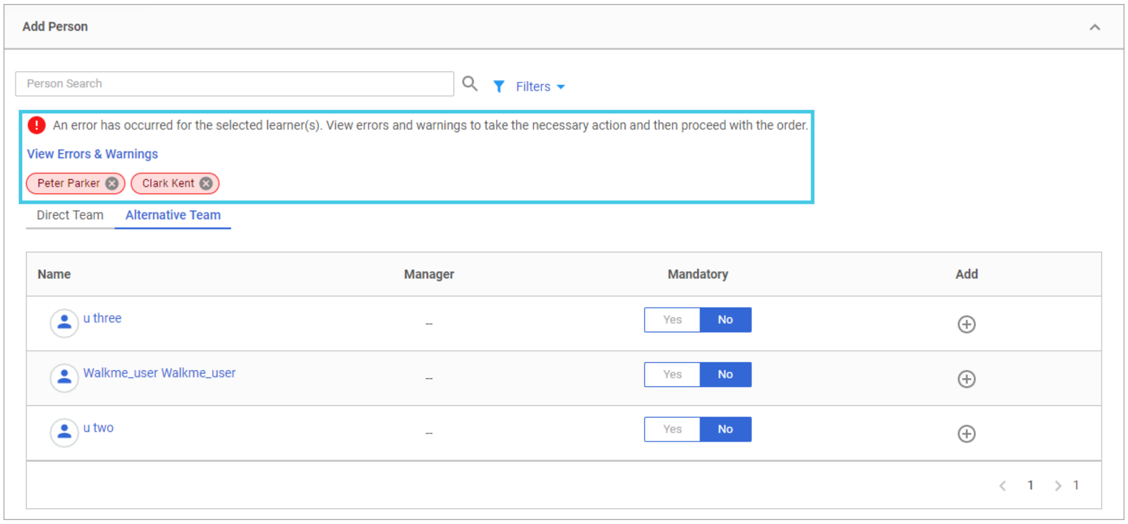


Figure 39: View Errors & Warnings

5. Ability to customize your selections based on the selected learning item or selected members. If you have selected multiple learning items, you can choose between members whom the learning can be assigned and vice-versa.

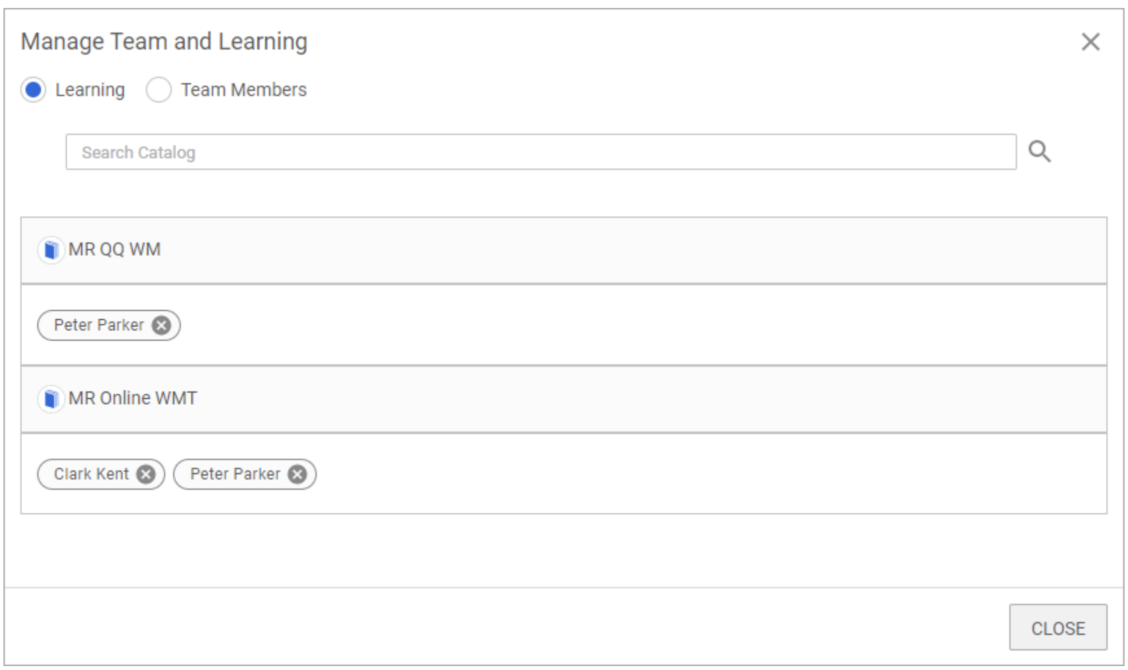


Figure 40: Customize Selections Based on Learning and Team

6. When you are enrolling the learner for a certification or curriculum and do not specify any due date, it picks the date based on the configurations at the course level.

The external manager can also register for learning items on behalf of the team members and proceed with the payment process.

Changes to a notification for certifications and curricula

Prior to this update, the **Learner certification/curriculum path recalculation** notification was available under **System** > **Configure System** > **Services** > **Learning** > **Certifications / Curricula** > **Certifications** only. Although it was applicable to curricula, its placement caused ambiguity during configuration.

With this update, the **Learner certification/curriculum path recalculation** notification is moved to **System** > **Configure System** > **Services** > **Learning** > **Certifications / Curricula**.

Print | Export

Name	Description	Service	Type	Service Enabled
Learner certification/curriculum path recalculation	This notification discontinues the existing path of the certification/curriculum for the learner and then recalculates the new path.	Learning -> Certifications / Curricula	Notifications	Yes

Figure 41: Learner certification/curriculum path recalculation

Ability to schedule Person resources on changes to sessions

Prior to this update, any session changes in a scheduled class did not always retain association with Person resources even though the option to retain resources was selected. Only the association of the resource to the class was retained.

With this update, the resource scheduling workflow has now been enhanced to provide Learning Administrators with the ability to assign Person resources to the sessions in the scheduled class when the session template is modified.

When Learning Administrators either edit an existing session template or replace it with a new one, select the option to retain resources, and save the changes to the class, Saba Cloud now prompts administrators to either add Person resources back to sessions or proceed without adding them.

If you modify either the start date or add or delete sessions in an existing template, then clicking **Cancel** still retains the existing resource-to-session mapping. If you replace the existing template, with a new one, then clicking **Cancel** retains the existing resources with the class but no sessions are mapped with the resources.

Clicking **OK** presents a new page that allows you to manage sessions for a 'Person' type resource as shown below.

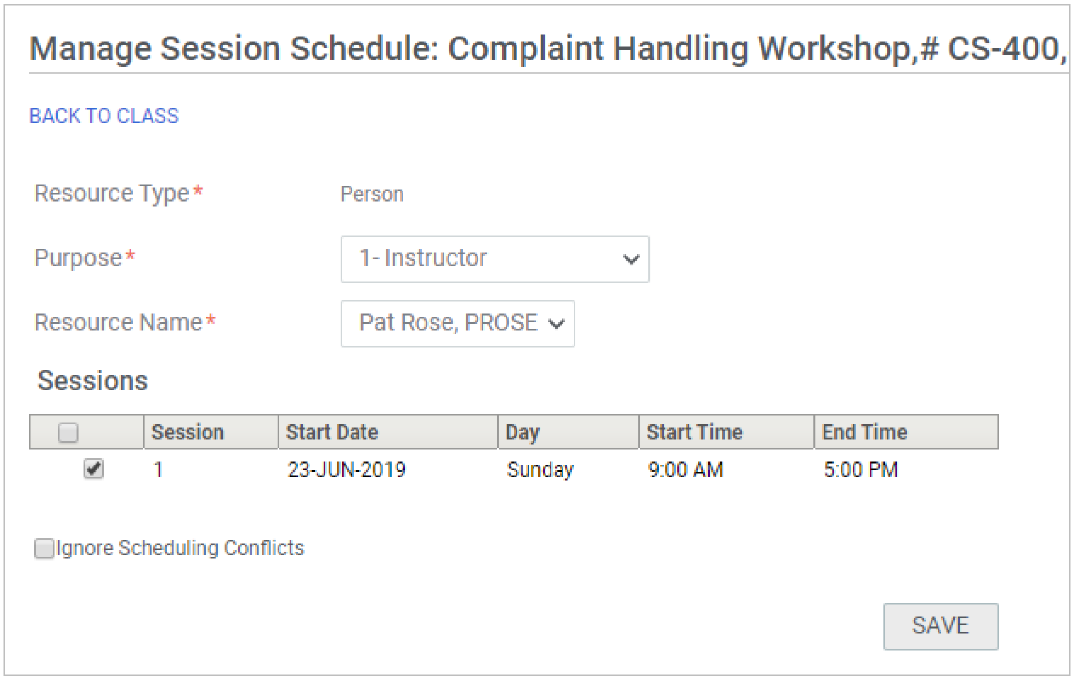


Figure 42: Add resources

Depending on the selected purpose and resource name, you see the session details for the person. You can select the required sessions for the Person resource and choose to ignore any scheduling conflicts if required. On saving, the person resource is associated with the selected sessions of the class.

If you do not choose to ignore scheduling conflicts, then you can see a page with a list of conflicting sessions and options to either "Ignore Conflict and Add Sessions" or "Omit Conflicting Sessions" or "Cancel" the resource association with the class itself.

For Virtual Classroom sessions, the updated resource and session association is reflected in the class VLE Provider. When Instructors are inherited from a delivery type, the changes in association are reflected in the Instructor's view as well.

This enhancement is applicable only to ILT and Virtual classes.

Note: Currently, the enhanced resource scheduling workflow is not supported in the following cases:

- When changing the class location, and
- While copying a scheduled class

Ability to completely delete a recurring course from a user profile

Prior to this update, Saba Cloud did not provide the ability to completely delete a recurring course and its assignment history from users' profiles.

This update now provides the ability to completely delete a recurring course and its assignment history from users' profiles. If your role has the required privileges, then you can see the **Delete Completely** button while editing or removing requirements of a recurring course.

The visibility of the **Delete Completely** button for recurring course is controlled by the following new security privilege:

Table 12: Delete completely privilege for recurring courses

Privilege	Component
Can Completely Delete Recurring Course Assignment History For Self and Others	Course

By default, this privilege is disabled for all security roles. It is recommended that System Administrators enable the privilege for the following roles:

- Human Capital Admin
- Super User

To grant the privilege to the desired role, System Administrators must navigate to **Admin** > **System** > **Manage Security** > **Security Roles**, select the required role, and search for the **Course** component.

People with these privileges can completely delete a recurring course and its assignment history from:

- Their own profile
- Other users' profiles

For example, if the privilege is granted to People Administrators (Human Capital Admin role), then they can completely delete a recurring course from a user's profile by navigating to **Admin** > **People** > **Manage People** > **Recurring Courses**, search for the required user and click **View Recurring Courses**, click **Actions** > **Edit/Remove Requirements** link for the required recurring course, and then click the **Delete Completely** button.

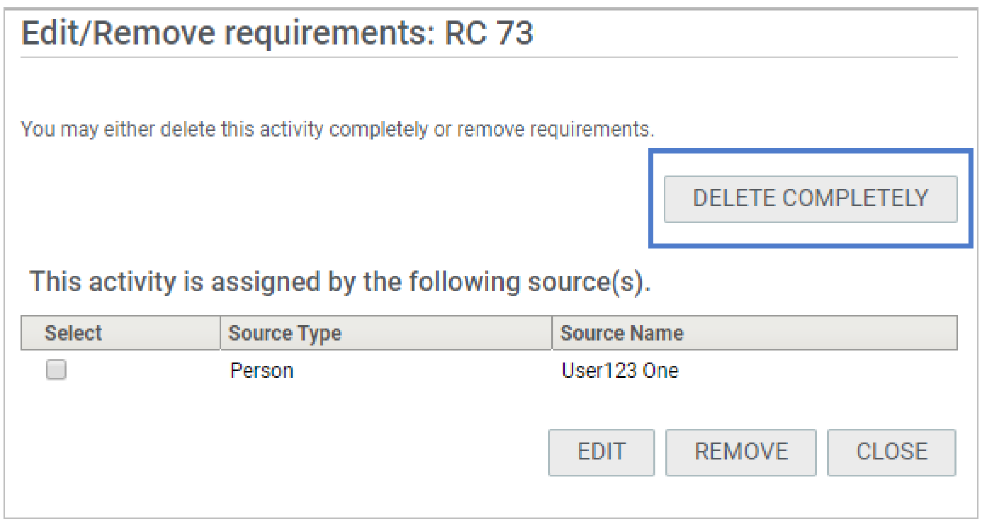


Figure 43: Delete Completely button

On deleting a recurring course completely from a user profile:

- Held proficiency levels for skills that were acquired on completion of the recurring course, are revoked.
- Evaluations that are pending to launch are removed from the user's profile.
- Badges and points are revoked from the user's profile.
- If a recurring course is deleted after multiple assignment cycles (assigned more than once to the same user), then multiple audit entries are created, with an entry for each assignment cycle.

Display recurring courses in reacquisition required status in your Completed Learning

Prior to this update, when recurring courses acquired by users went into the re-acquisition required status, they were not displayed on the **Completed Learning** page for users.

This caused confusion because learners, managers, and auditors expected to see the transcript record for such courses in the **Completed Learning** page.

With this update, recurring course having reacquisition required status are now displayed in the **Completed Learning** portlet and the **Completed Learning** page for users.

The following new status is introduced for recurring courses:

- *Reacquisition required*

  When you select 'Course' from the **Type** dropdown list on the **Completed Learning** page, then this new status is displayed in the **Status** filter.

  By applying this status, you can view transcripts of all acquired recurring courses in your plan.

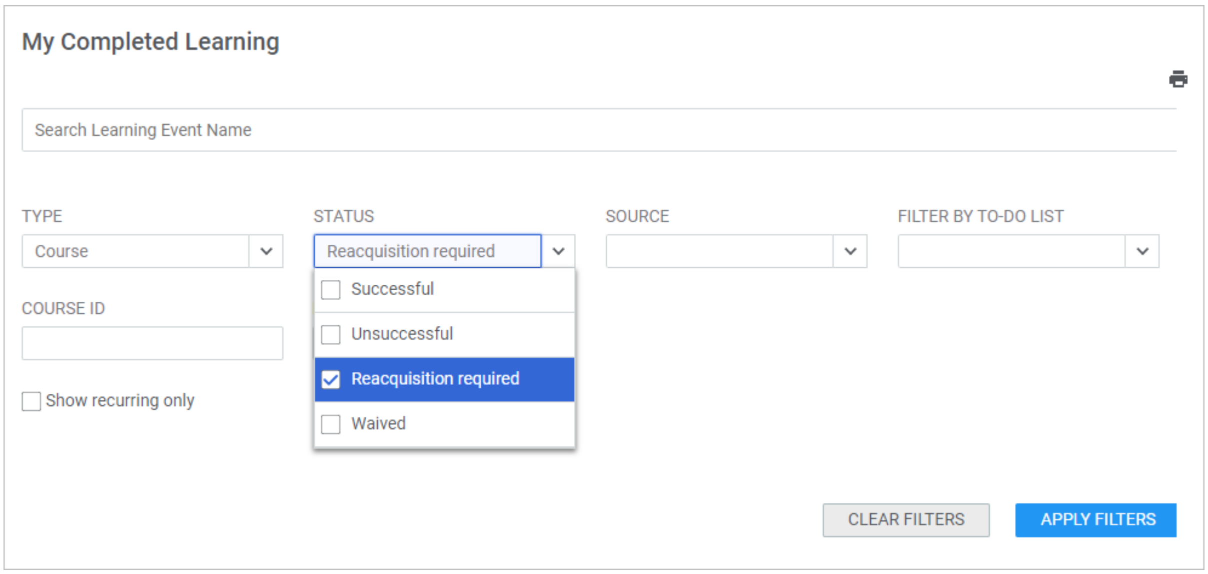


Figure 44: Reacquisition Required status

Position manager available in registration approval workflow

Prior to this update, Saba Cloud did not provide the option to include position managers as part of the learner registration approval workflow for classes.

With this update, position managers can now be part of the learner registration approval workflow. This allows position managers to act as approvers for class registrations of position incumbents.

When Learning Administrators define the registration approval policy for a class, they now see the new **Position Manager** option for adding a position manager as a sequential, alternate, or parallel approver in the approval chain.

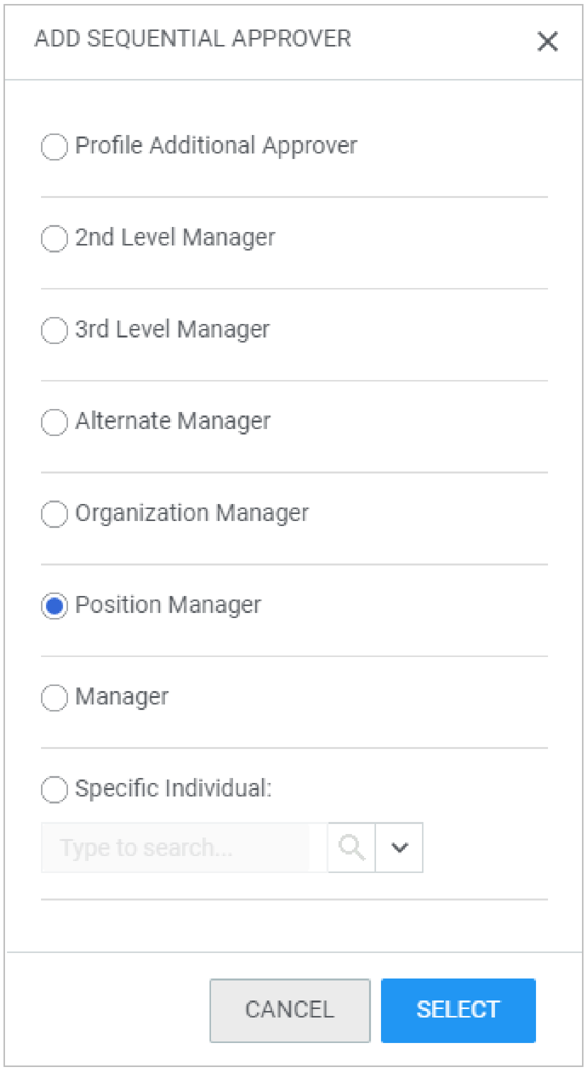


Figure 45: Select Position Manager as an approver

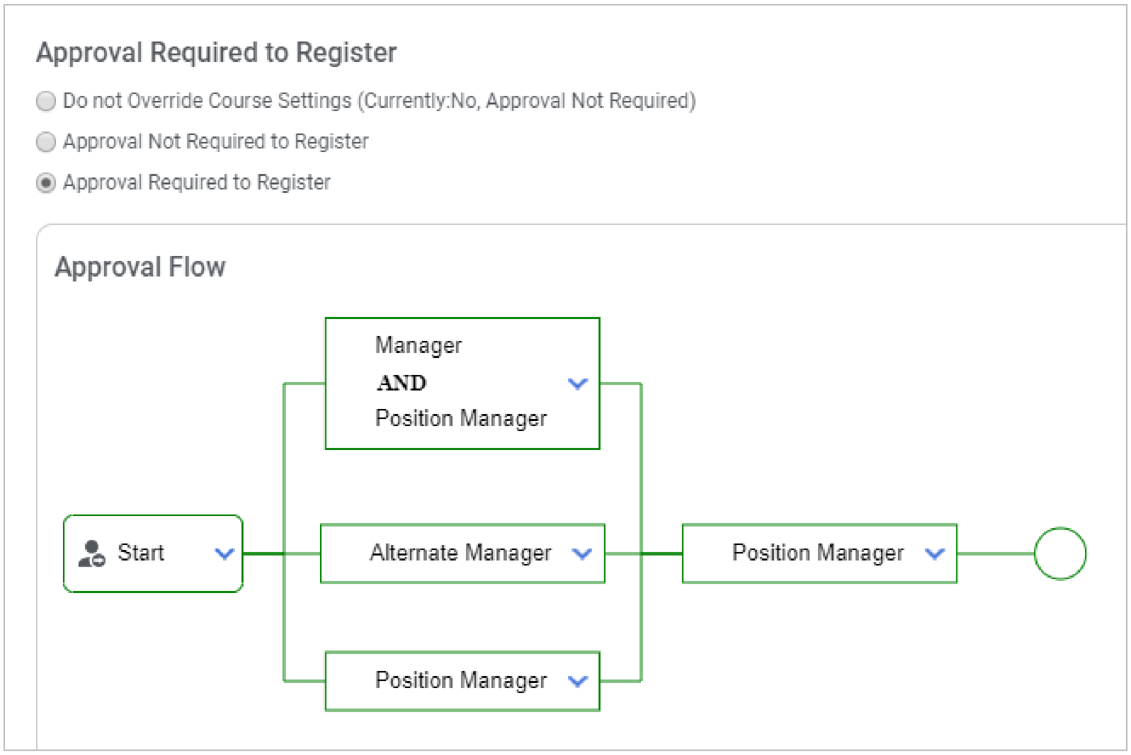


Figure 46: Position Manager added to the approval flow

Once added as an approver, Saba Cloud sends a registration approval request to the position manager. They can view the request in their dashboard, and either approve or reject the request.

Use the following new named queries to notify position managers through approval notifications:

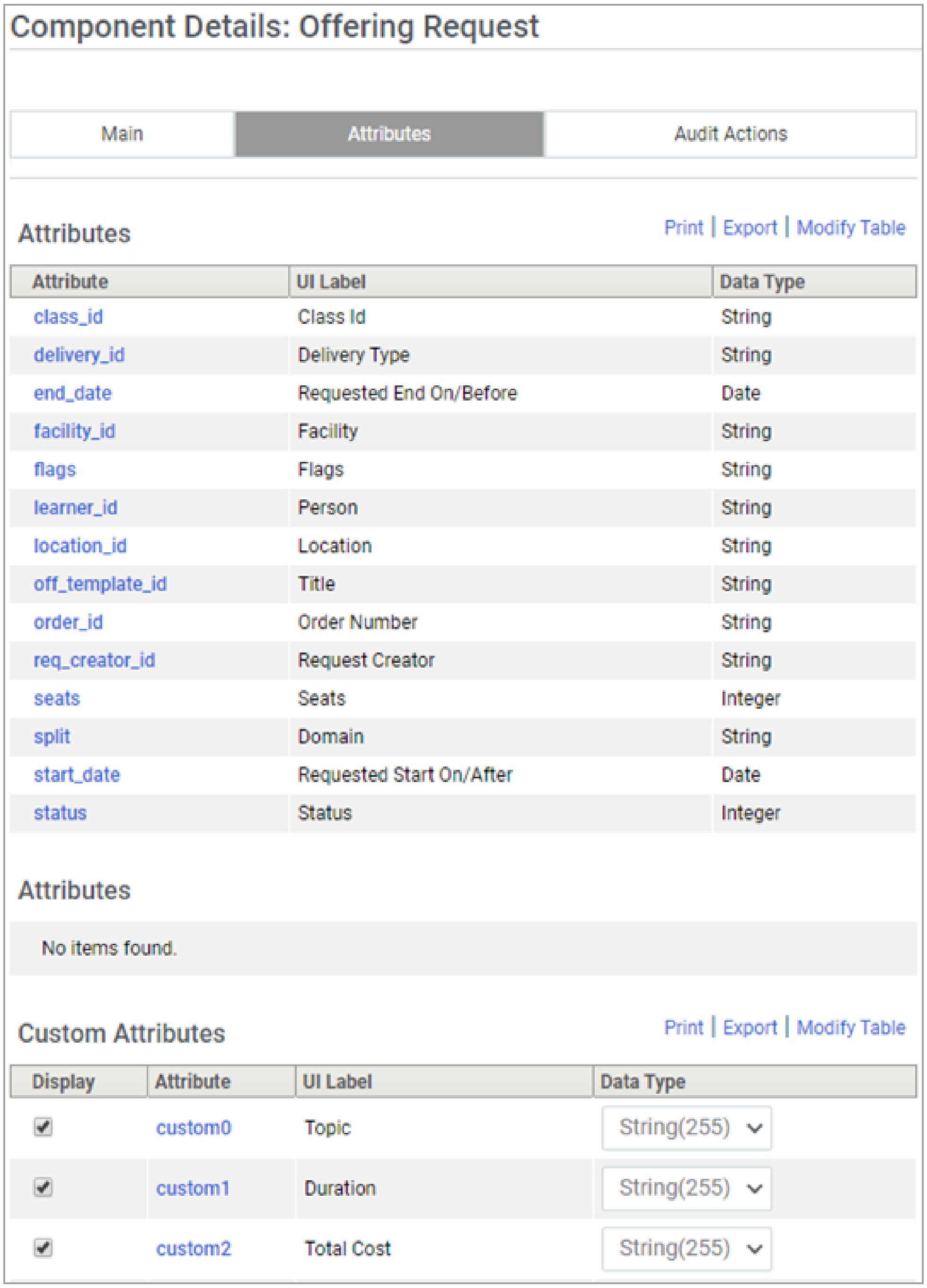
- Position Incumbent of a Parent Position marked Interim for registered learner
- Position Incumbent of a Parent Position marked Primary for registered learner

For more details on these named queries, see New named queries for position incumbents.

Use custom fields for Learning Requests and Private Class purchases

Prior to this update, the custom fields did not appear while submitting a class request.

The custom attributes are now enabled on the **Offering Request** component of the **Learning Request** service under **Learning** > **Catalog** service.



Component Details: Offering Request

Main | Attributes | Audit Actions

Attributes

Print | Export | Modify Table

Attribute	UI Label	Data Type
class_id	Class Id	String
delivery_id	Delivery Type	String
end_date	Requested End On/Before	Date
facility_id	Facility	String
flags	Flags	String
learner_id	Person	String
location_id	Location	String
off_template_id	Title	String
order_id	Order Number	String
req_creator_id	Request Creator	String
seats	Seats	Integer
split	Domain	String
start_date	Requested Start On/After	Date
status	Status	Integer

Attributes

No items found.

Custom Attributes

Print | Export | Modify Table

Display	Attribute	UI Label	Data Type
✔	custom0	Topic	String(255)
✔	custom1	Duration	String(255)
✔	custom2	Total Cost	String(255)

Figure 47: Custom attributes on Offering Request

Once enabled, up to 10 custom fields appear on the New Learning Request for class.

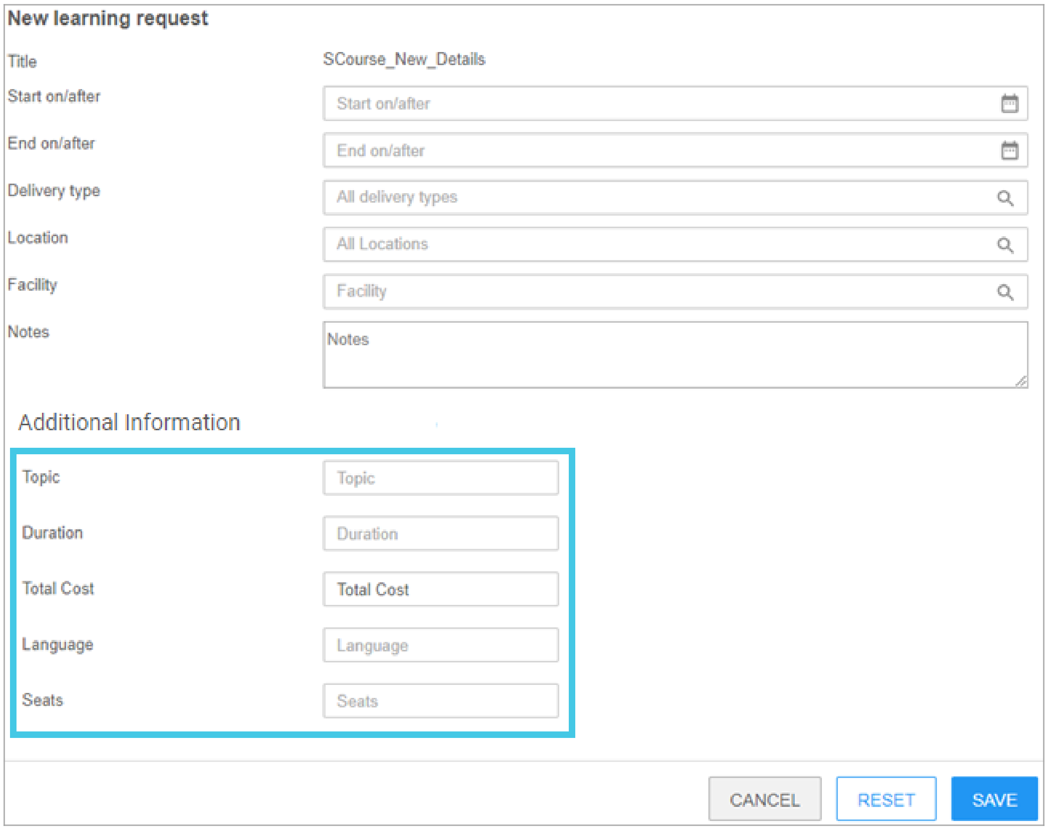


Figure 48: Custom fields on Learning Class Request

You can use these fields to provide additional information on the class that you want to request.

Tip: If you do not find the required class for a particular course in the learning catalog, then you can request a new class by submitting a class request for yourself. Navigate to the class details page and click the **Submit a request** link.

This configuration is also applicable for a private class, hence these custom fields also appear while you are purchasing a private class.

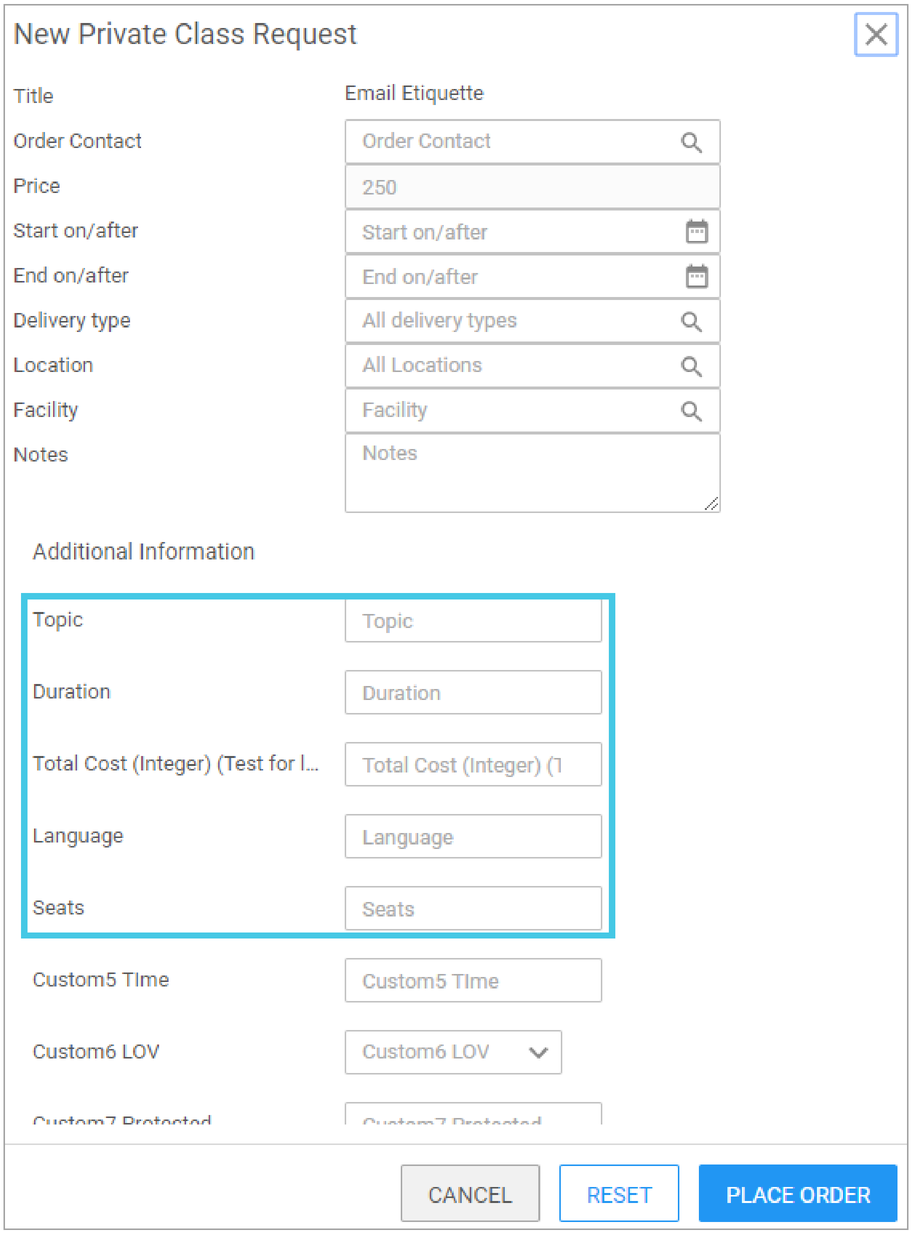


Figure 49: Custom fields on Private Class Request

Enhanced Course and Class Details Pages

Enhanced pages now available for scheduled classes

Prior to this updates, the enhanced course and class details pages for end users were available only for self-paced (WBT) classes. They were not supported for scheduled classes such as Instructor-led (ILT), Blended, and Virtual Classrooms.

With this update, Saba Cloud now supports enhanced course and class details pages even for scheduled class such as ILT, Blended, and Virtual Classrooms for end users.

To view the enhanced course and class details pages for scheduled classes, your System Administrator must enable the **Learning Beta** service and the **Enable enhanced Course Details page** setting under this service. By default, both the service and the setting are disabled.

When users enroll for a scheduled class, Saba Cloud now displays the enhanced class details page to them. They can view the class details and available actions from the enhanced view.

End users can perform actions such as **Drop**, **Continue**, **Mark Complete**, **Print Certificate**, and so on for their class registration depending on the registration status.

Only confirmed users can access learning activities in the class, launch them, and complete them by completing the class from the enhanced details page view. All learning activities including content, tasks, checklists, and sessions are supported in the enhanced view. They launch in the Modern Content Player view.

The following figure illustrates the enhanced class details page for a Virtual Classroom. In this figure, you do not see any action button in the class header section because either the sessions have not yet ended for the class, or you have not taken any action on at least one activity in the class, or you do not have the required privileges. When you launch a session in a Virtual Classroom, Saba Cloud opens the Modern Content Player. For an ongoing session, the player displays the **Attend** link as the default action. For a session that has ended and is published, the default action is **Playback**.

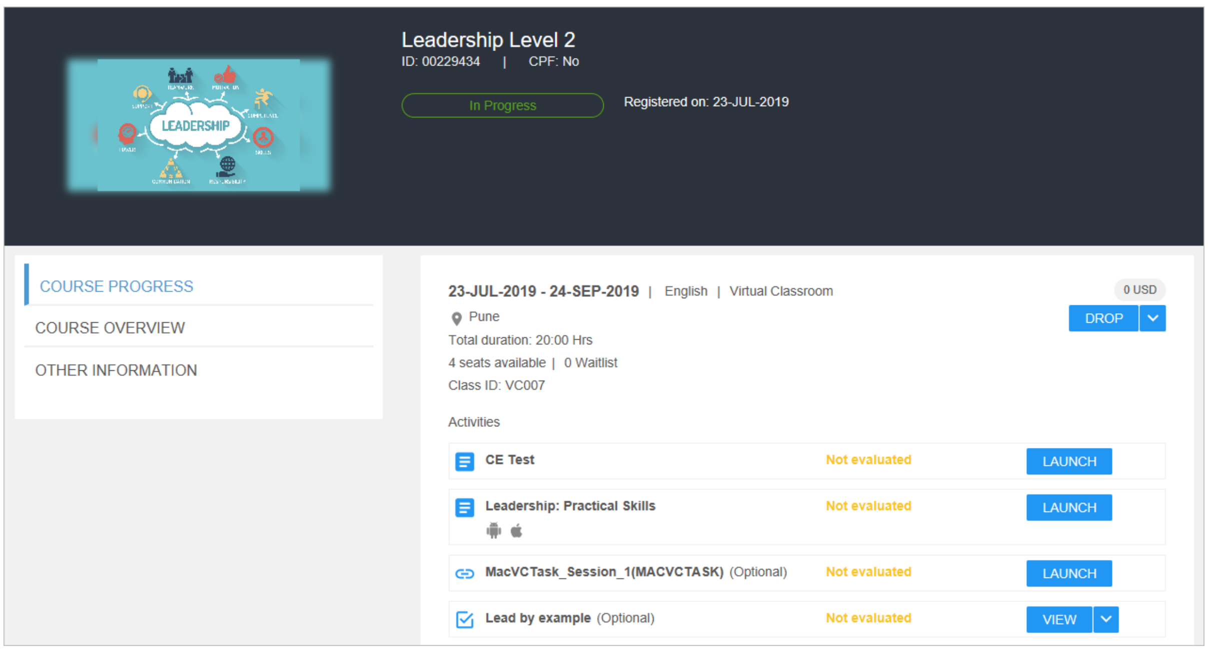


Figure 50: Virtual class details page - enhanced view

The following figure illustrates the enhanced class details page for a Blended class. In this figure, you can see the new **Continue** button in the class header section.

The **Continue** button is displayed for both scheduled and self-paced classes as soon as users have attempted at least one activity in the class and have taken an action on the same. The button is displayed till all required learning activities in the class are completed by the users. On clicking the **Continue** button, Saba Cloud launches the first incomplete learning activity in the sequence.

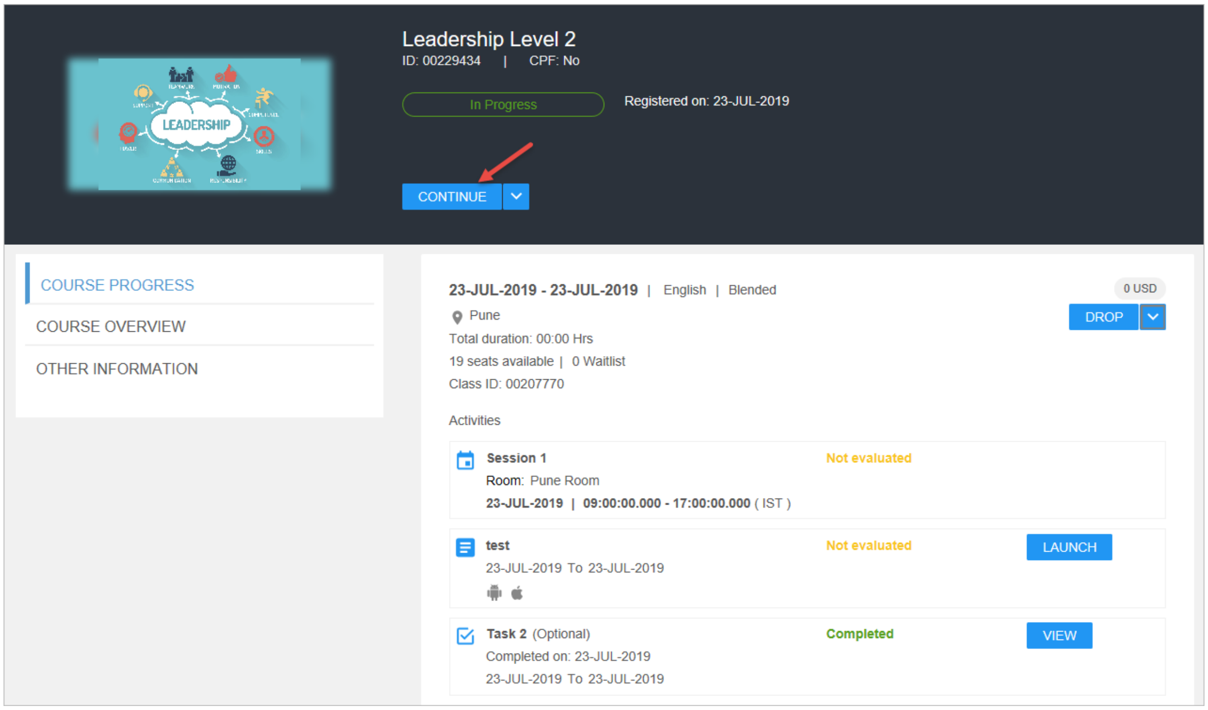


Figure 51: Blended class details page - enhanced view

The following figure illustrates the enhanced class details page for an ILT class.

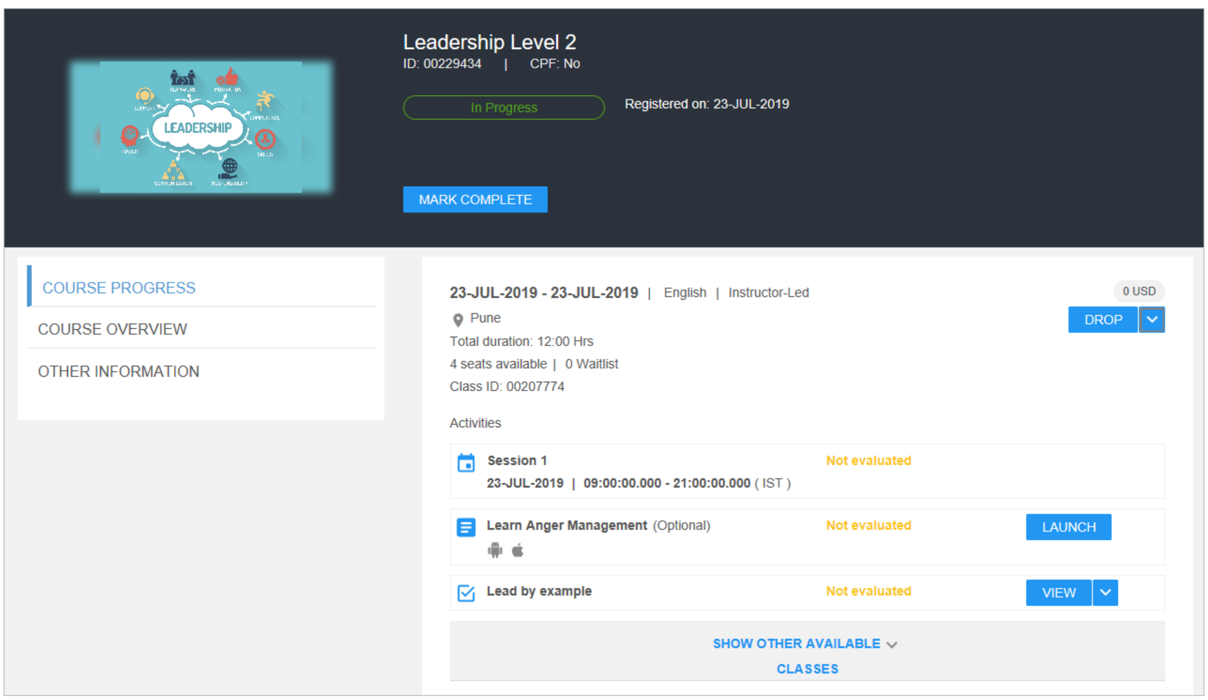


Figure 52: ILT class details page - enhanced view

End users and managers can return to the regular view for the class from the enhanced view by clicking the **Regular View** button. If a class is pending approval, then users need to switch to the regular view to see the approval chain. See figure below.

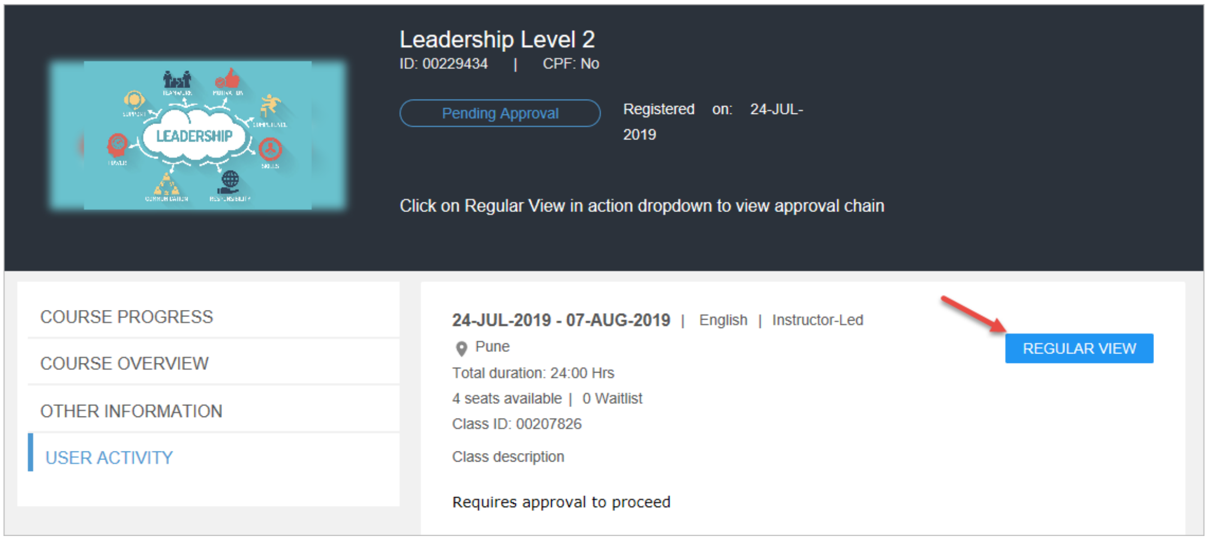


Figure 53: Regular View button

Managers can view the registrations of their team members in the enhanced view. But, currently, they cannot perform actions such as **Accept** and **Reject** from this view. To take any action on the registration, they must switch to the regular view.

Limitations

The enhanced class details page have the following limitations:

- The enhanced pages are not available from administrator workflows.
- The enhanced pages are not available to Guest users.
- End users cannot view content results from these pages.
- Managers cannot perform any actions from these pages. Managers must switch to the Regular view to perform an action.
- Approval chain is not displayed on these pages. Users and managers must switch to the Regular view to see approval chain.

Change for proxy users

Prior to this update, the enhanced course and class details pages were not for available to proxy users.

With this update, the enhanced pages for both self-paced and scheduled classes are available to proxy users.

Registration deeplink enhancements for enhanced pages

In many organizations, users can access classes only through the registration deeplink they receive in their email. Often, after registration, users begin the class but do not complete it. To complete the class, they usually click the registration deeplink in their email again. Their expectation is they launch back into the class from where they left off. Also, if auto-launch was enabled, it was expected that the content launched directly on clicking the registration deeplink.

To address this workflow and make it more intuitive, the behavior of registration deeplinks has been enhanced as follows:

- If the auto-launch setting is enabled for courses, and if users click the registration deeplink, then the WBT content is launched automatically.

- If users have already registered for a class and if recurring registrations are not allowed, and if they click the registration deeplink again, then an error message is displayed and the users are allowed to navigate back to the enhanced course details page.

Ability to check completion of prerequisite courses

While completing a course, users often tend to ignore completing one or more of its prerequisite courses. They only realize this when they receive an error while completing the course.

Prior to this updates, there was no option for end users to check if the prerequisites of a course they have enrolled for, are completed or not.

The **Pre-requisites** section of the enhanced course details page now provides a new **Check Completion** button that allows users to verify if the course prerequisites are completed or not.

On clicking the button, a green tick mark appears besides a prerequisite course if the user has registered or already completed the course.

See figure below.

Figure 54: Check Completion

Send private messages through the enhanced task details page

Prior to this update, learners and evaluators could not send private messages through the enhanced task details page. Evaluators could send private messages, but only through the Message Inbox for tasks.

With this update, evaluators such as Managers and Alternate Managers, who can view the enhanced task details page, can now send private messages to the users completing the task through the enhanced page. The following figure illustrates the evaluator view of the enhanced task details page.

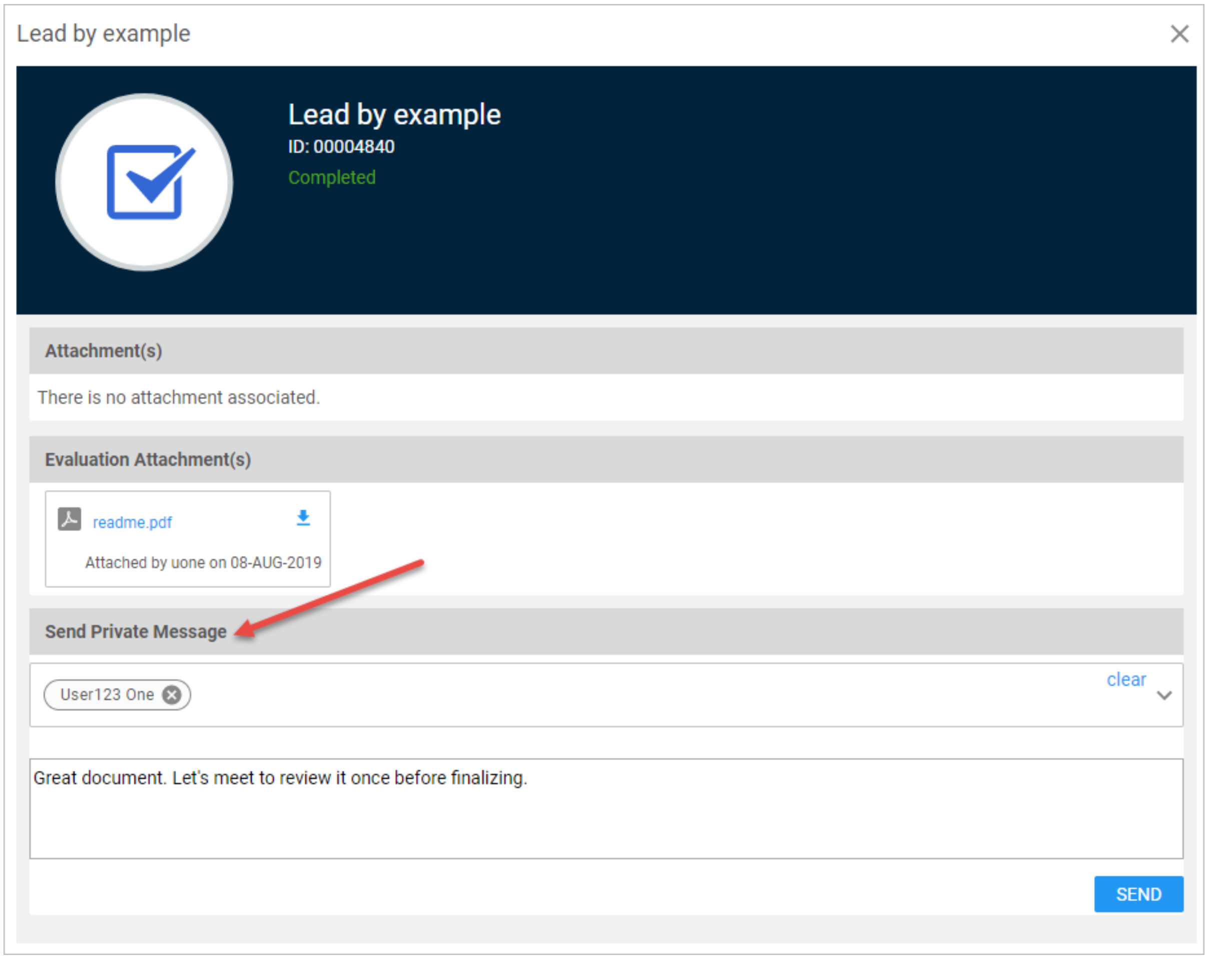


Figure 55: Send private message

Users see the message in their Message Center as shown below.

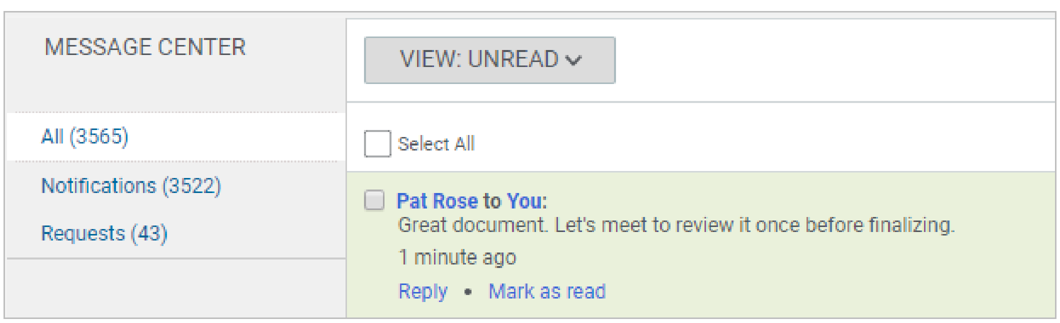


Figure 56: Receive message

Web 2.0 action support on enhanced pages

Prior to this update, the enhanced course and class details pages did not support Web 2.0 actions such as bookmark, share, rate, and comment. The pages only supported the ability to tag the leaning item.

This update provides support to display Web 2.0 actions such as bookmark, share, rate, and comment on the enhanced course and class details pages.

Note: To enable Web 2.0 actions for courses, the following must be enabled:

- **Web 2.0 Actions for Learning Catalog** setting under **Admin** > **System** > **Configure System** > **Services** > **Learning** > **Catalog**, and
- **Show Web 2.0 functions** property at the course level

The following figures illustrate these actions on the enhanced page.

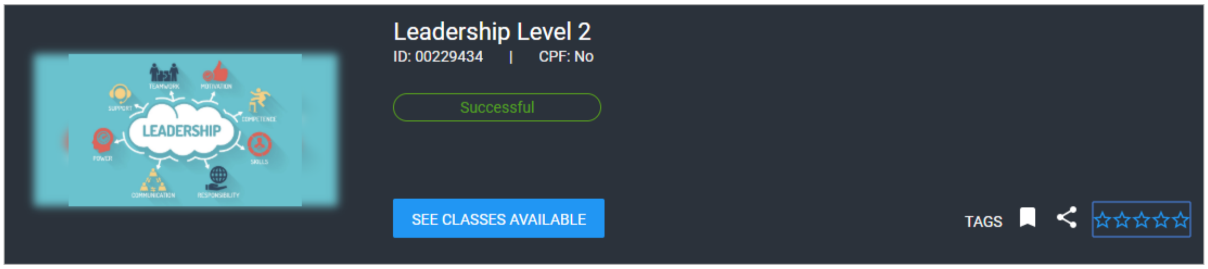


Figure 57: Web 2.0 actions

Bookmark

Clicking the bookmark icon displays a popup screen that allows you to add the class to the selected bookmark folder.

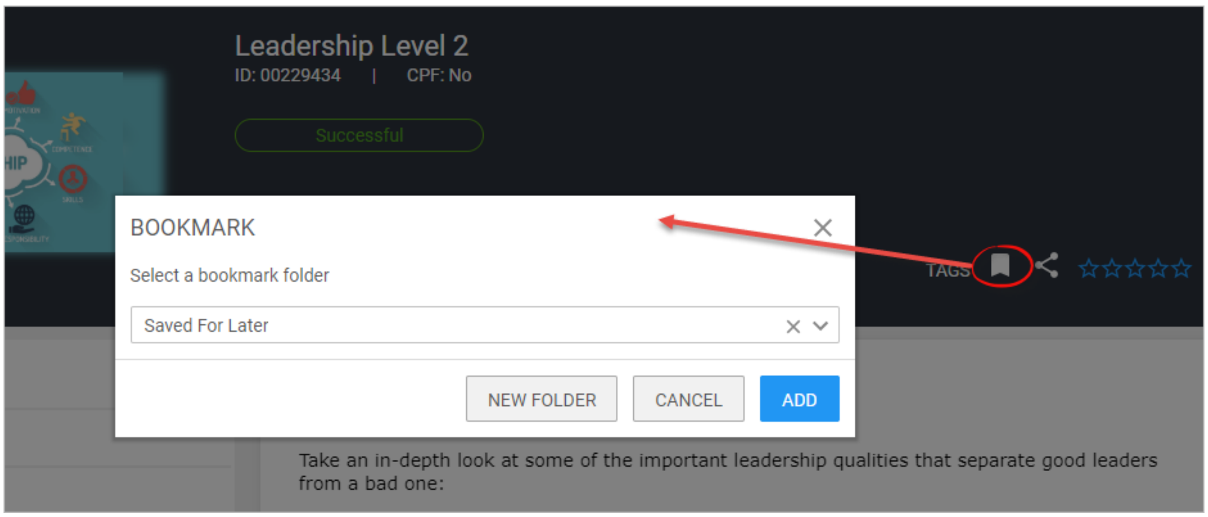


Figure 58: Bookmark

Share

Clicking the share icon displays a popup screen that allows you to share the class with selected people or groups and optionally notify them.

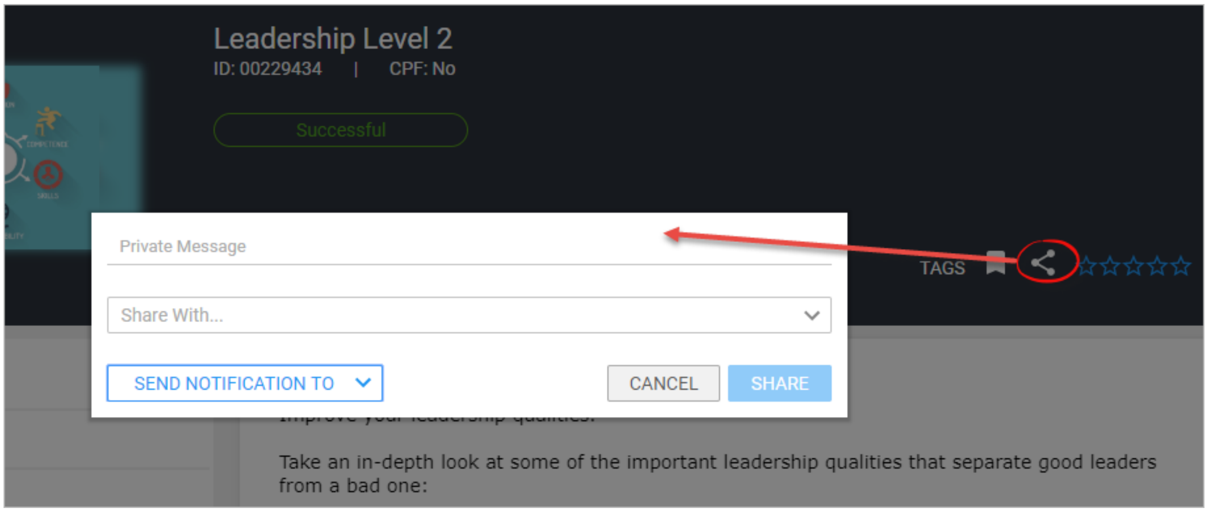


Figure 59: Share

Rate/Comment

Clicking the rating stars displays a popup screen that allows you to save your star rating and comments.

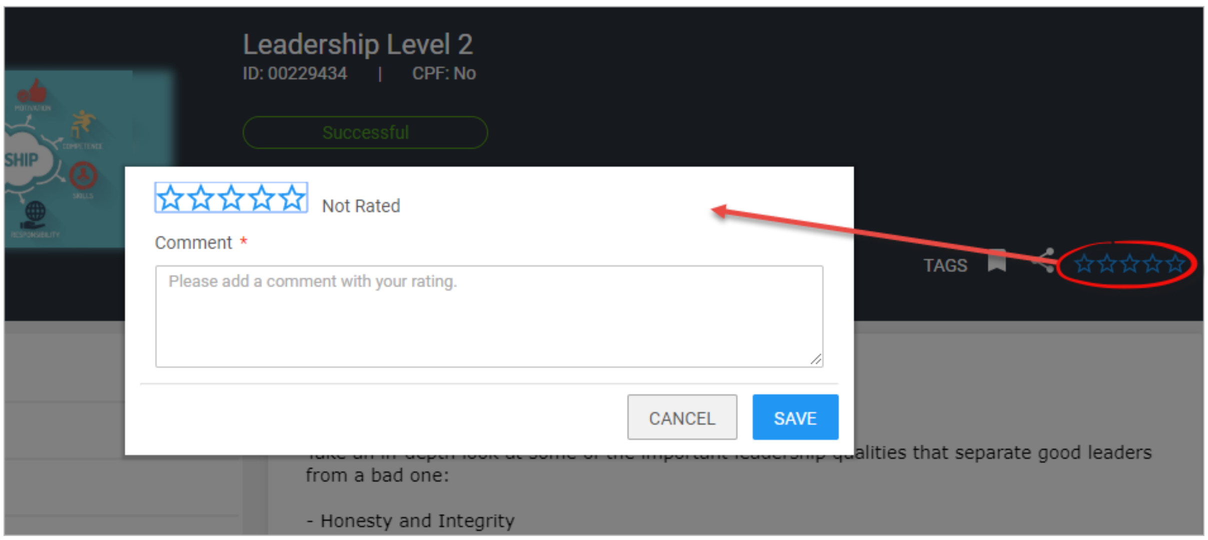


Figure 60: Rate/Comment

Profile card now available on enhanced pages

Prior to this update, the enhanced course and class details pages did not display the profile card for users such as course owners.

This update now displays the profile card for the following users on the enhanced course and class details pages. Clicking the profile image or name takes you to the **Activity** page of the user.

- Course Owner

  You can see the owner of a course by expanding the **Course Owners** section. When you click the owner name link, Saba Cloud displays the profile card in a popup.

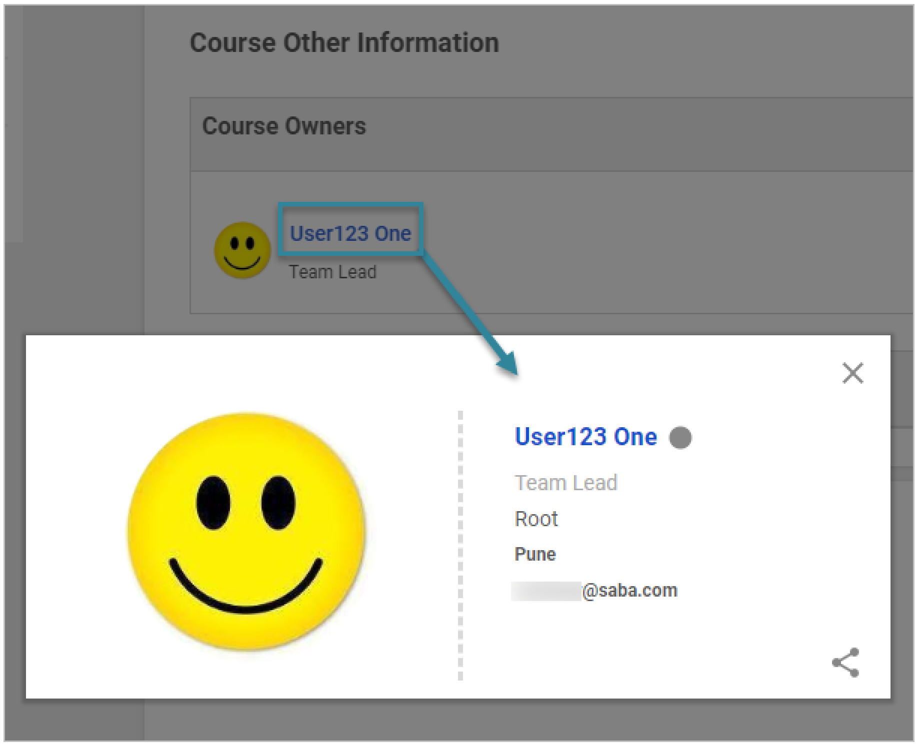


Figure 61: Course owner profile card

- Class Instructor

  If an instructor is assigned to a class, then you can view the instructor's profile card by clicking the instructor name link on the class details page.

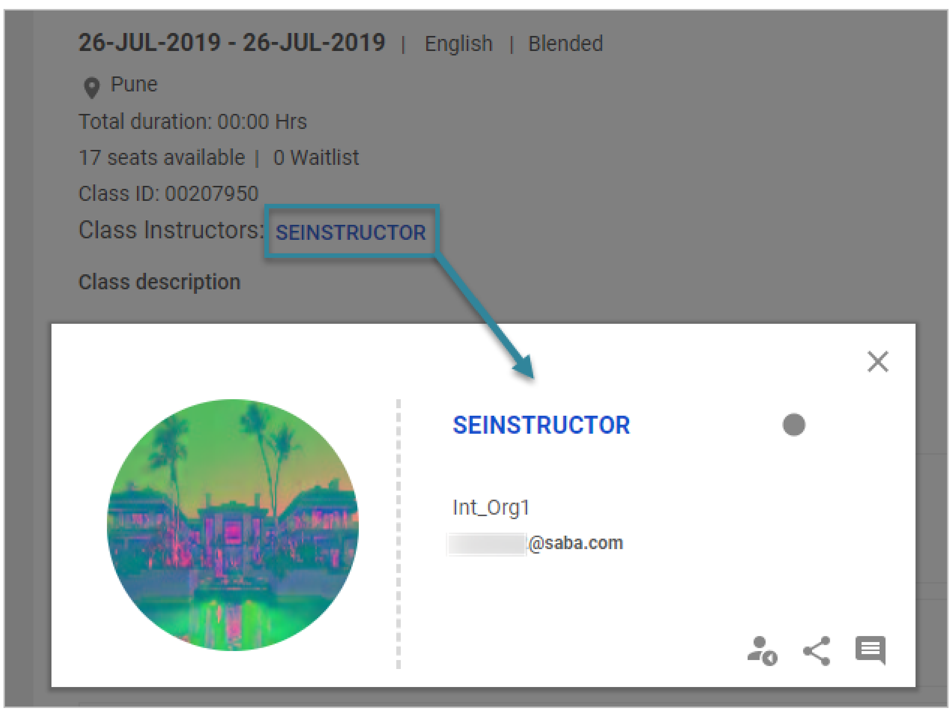


Figure 62: Class instructor profile card

- Class Assigned by

Click the dropdown arrow besides the **Assigned by** field in the class header. If the class is assigned by a user, then you can see the user name link. Clicking the link displays the profile card. If the class was assigned by some other source, say by a prescriptive rule, then you can see the details of assignment source.

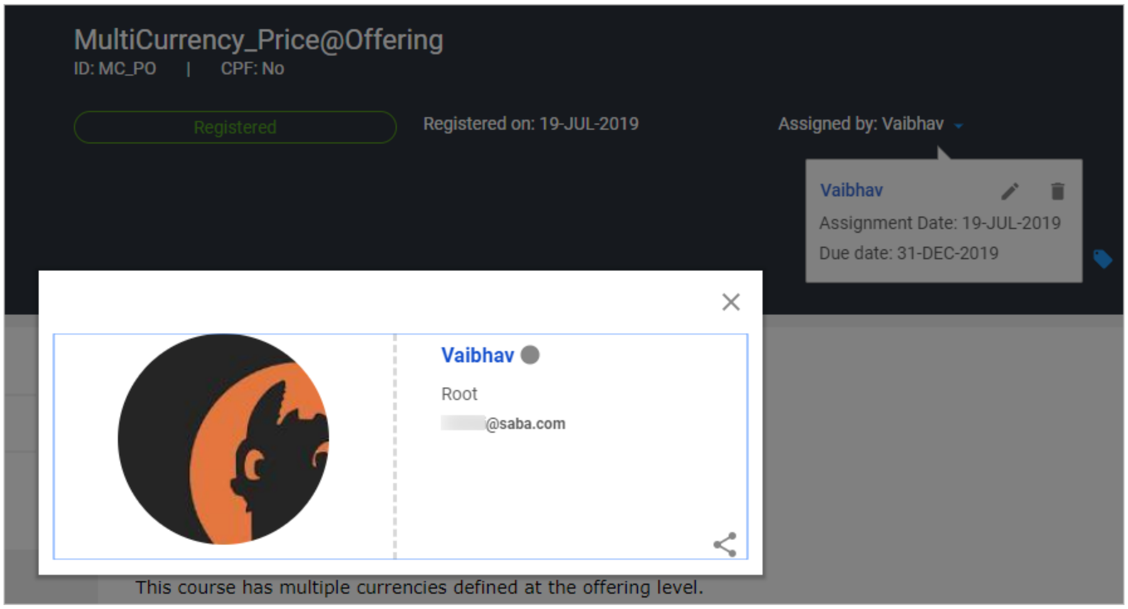


Figure 63: Assigned by

- Checklist Assigned to

  You can see the person profile card for in the enhanced checklist page as well. Click the user name link in the **Assigned To** section to see the profile card of the user to whom the checklist is assigned.

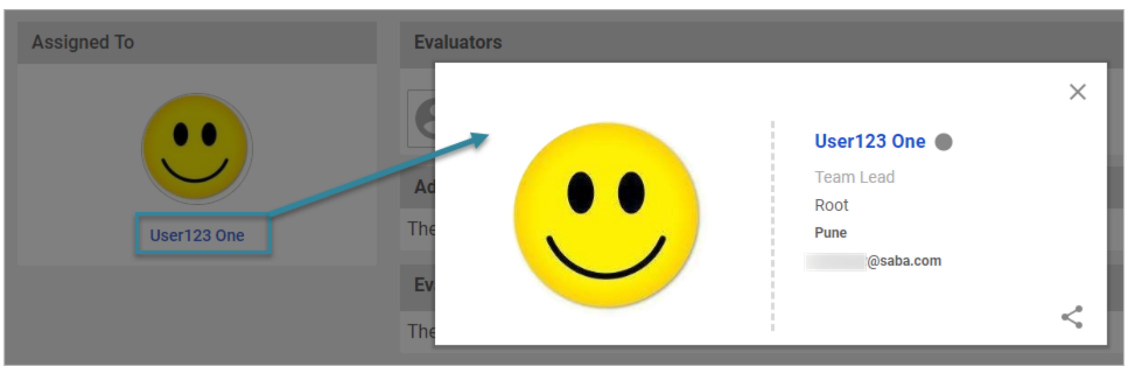


Figure 64: Profile card of Checklist assigned to

Evaluations now available on enhanced class details page

End users could access class evaluations and their related actions only from the regular view of the class details page. Since they were not available in the enhanced view, users had to switch to the regular class details view to take evaluations.

With this update, if class contains evaluations, then those evaluations and its related actions are now available in the enhanced view of the class details page. Click the **Evaluations** link to navigate to the **Evaluations** section on the enhanced class details page.

Note: Availability of an evaluation on the enhanced class details page follows the evaluation schedule defined at the class level.

Evaluations are displayed in the section with appropriate dates. However, the **Launch** button is available for an evaluation only when the evaluation is available for completion based on the evaluation schedule.

Clicking the **Launch** button opens the evaluation in the Modern Content Player.

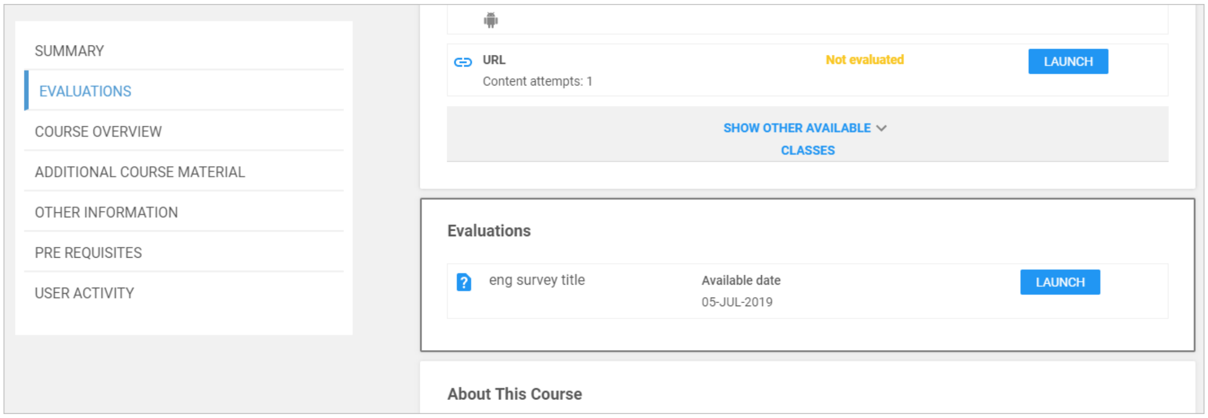


Figure 65: Evaluations on enhanced class details page

Limitations

Currently, evaluations on the enhanced class details page have the following limitations:

- The Congratulations popup message is not displayed on completion of class evaluation.
- Modern Content Player does not display any TOC for an evaluation.

CE credits now available on enhanced pages

If CE Credits and Fields Of Study services were enabled, end users could view CE credits for a course or a class only from the regular view of the details pages. Since they were not available in the enhanced view, users had to switch to the regular class details view.

With this update, if **Continuing Education Credits** and **Fields Of Study** services are enabled, then end users can now view all CE credits and FOS-related details in the enhanced view of the course and class details pages.

CE credits in Header

The header are of the enhanced course and class details pages display the **CE Credits earned** field. If both **Continuing Education Credits** and **Fields Of Study** services are enabled, then the CE Credits earned are an accumulation of all credits earned through FOS for all the completions of the given course.

However, if **Continuing Education Credits** service is enabled but **Fields Of Study** is disabled, then the CE Credits Earned is not an accumulation, but just the credits for a single class.

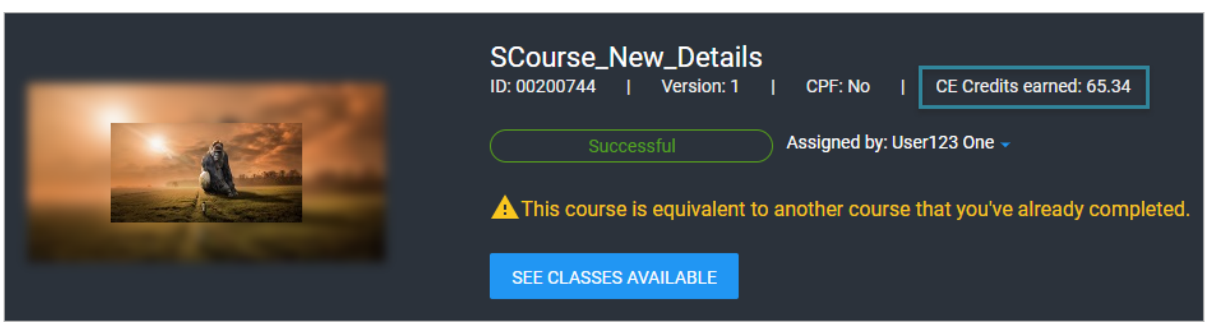


Figure 66: CE credits earned

Achievements section

If both **Continuing Education Credits** and **Fields Of Study** services are enabled, then the **Achievements** sub-section in the **Summary** section displays the FOS name and the accumulation of credits earned through the given FOS by completing the course each time. It also displays the 'Total CE Credits earned' field, which displays a total of all credits earned through each FOS through all completions.

However, if **Fields Of Study** is disabled, then this section displays the 'Total CE Credits earned' field.

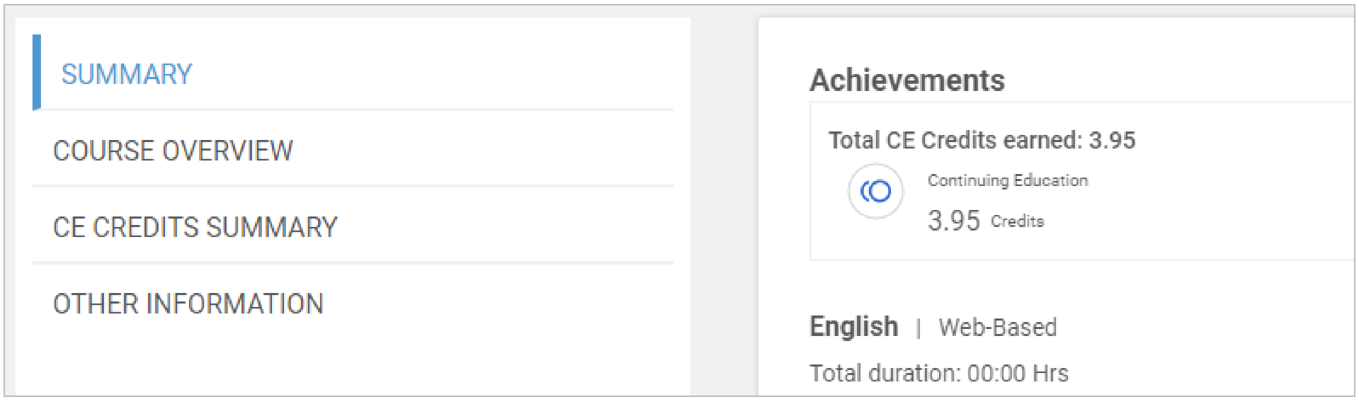


Figure 67: Ce credits in Achievements section

Complete and Earn section

The **Complete and Earn** sub-section in the **Course Overview** section displays all Fields Of Study tied to the course. If both **Continuing Education Credits** and **Fields Of Study** services are enabled, then it displays the FOS name, number of credits that can be earned for each class completion, and the FOS description, if one exists. A mouseover on the FOS displays the complete description of the FOS. You can even scroll through the FOS list using **Next** and **Previous** links.

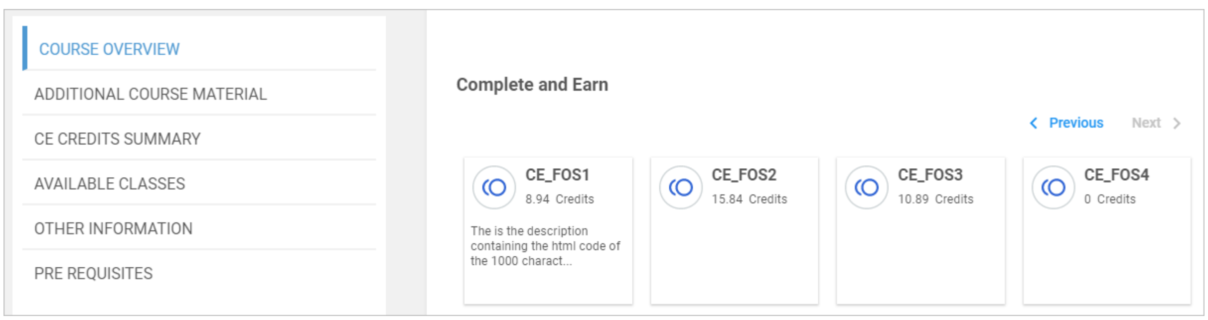


Figure 68: Complete and Earn section

If **Continuing Education Credits** service is enabled but **Fields Of Study** is disabled, then this section displays the CE Credits available field with the Continuing Education Credits icon.

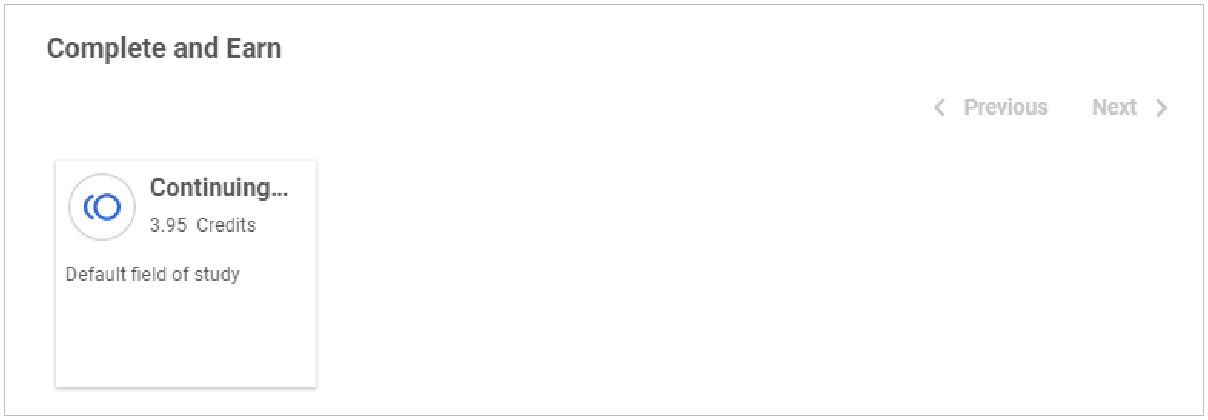


Figure 69: Complete and Earn with FOS off

CE Credits Summary section

The new **CE Credits Summary** section displays all Fields Of Study with a new icon, and includes the following details:

- Maximum credits allowed for each FOS
- Credits earned till date for each FOS, which have been accumulated from each course completion.
- Total CE Credits earned
- **View History** link. Clicking this link displays the CE credits history in a popup page. This page includes a summary of credits earned per FOS with its corresponding completion date as well as those earned through each completion.

  Note: When a user has multiple completions and registrations of a course, viewing CE Credits history from the registered class details page displays all the FOS earned till date by completing the given course.

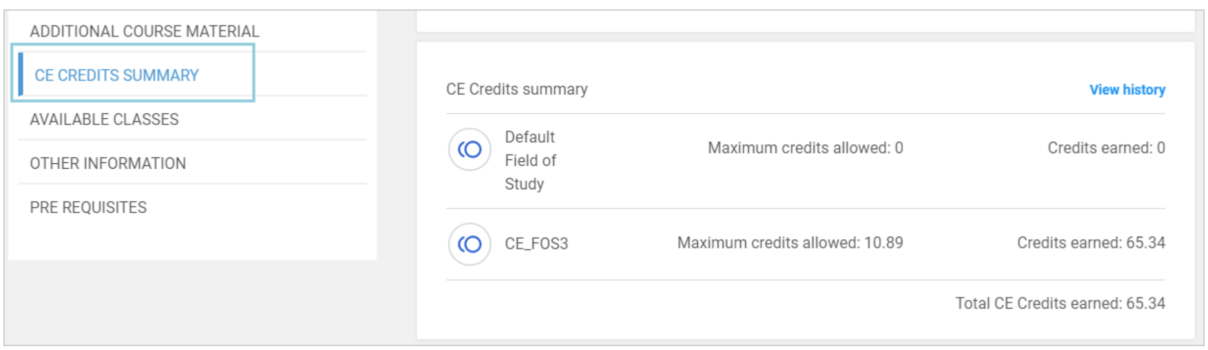


Figure 70: CE Credits Summary section

If the **Fields Of Study** service is disabled, then this section displays the CE Credits available field with the CE credits icon as shown below.

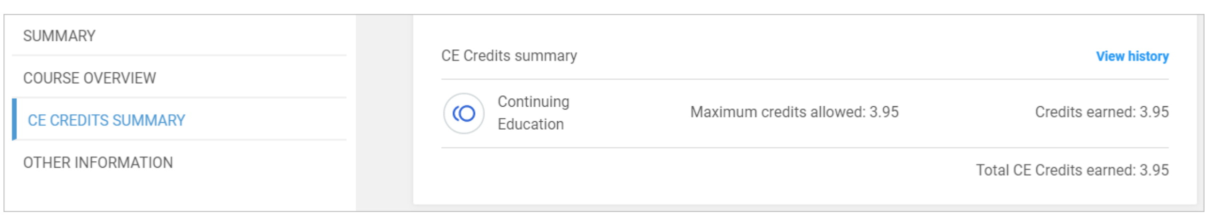


Figure 71: CE Credits Summary section with FOS off

Submit a simple learning request from enhanced course details page

End users could submit a simple learning request only from the regular course details page. Although the ability to submit a class request was available on the enhanced class course details page, the simple learning request feature was not available.

With this update, Saba Cloud provides the ability to submit a simple learning request even from the enhanced course details page.

This means, the enhanced learning request workflow from the enhanced course details pages now honors the **Simple Learning Request Policy** setting under **Learning > Learning Requests** service.

- If this setting is enabled by the System Administrator, then end users see a **Show interest** link. Clicking this link simply submits your class request. The form to input additional fields such as location, start time after, and so on is not displayed. See figure below.

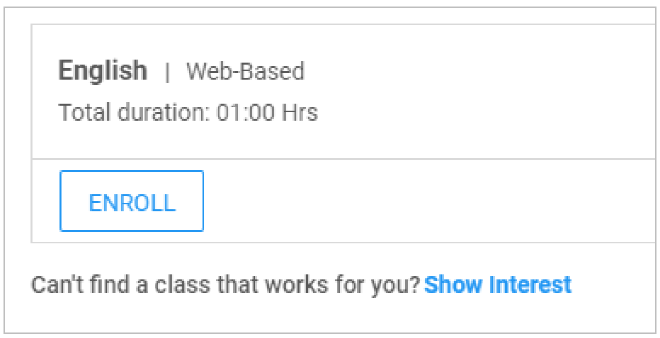


Figure 72: Show interest link

- If this setting is disabled by the System Administrator, then end users see the existing **Submit a request** link. Clicking this link requires you to input fields such as location, start time after, and so on to place your class request. See figure below.

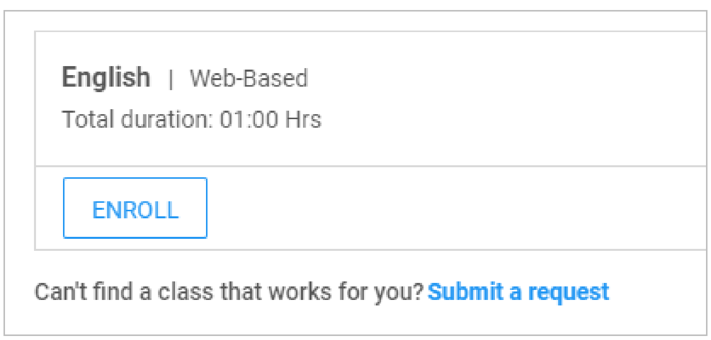


Figure 73: Submit a request link

Simplified Course Creation

New default image for courses created via simplified workflow

Users now have an intuitive way to access courses created using the simplified course creation workflow. The associated imagery also provide a modern look to the learning items.

For all courses created through the simplified course creation workflow, if an image is not provided for a course during course creation, then Saba Cloud displayed the default sprite image.

With this update, Saba Cloud displays a visually enhanced default image for simplified courses.

Note: However, if your System Administrator has overridden the predefined sprite image by a custom one, then the enhanced default image is not displayed for simplified courses. The custom sprite image overrides the default one.

The following figures illustrate the new default course image.

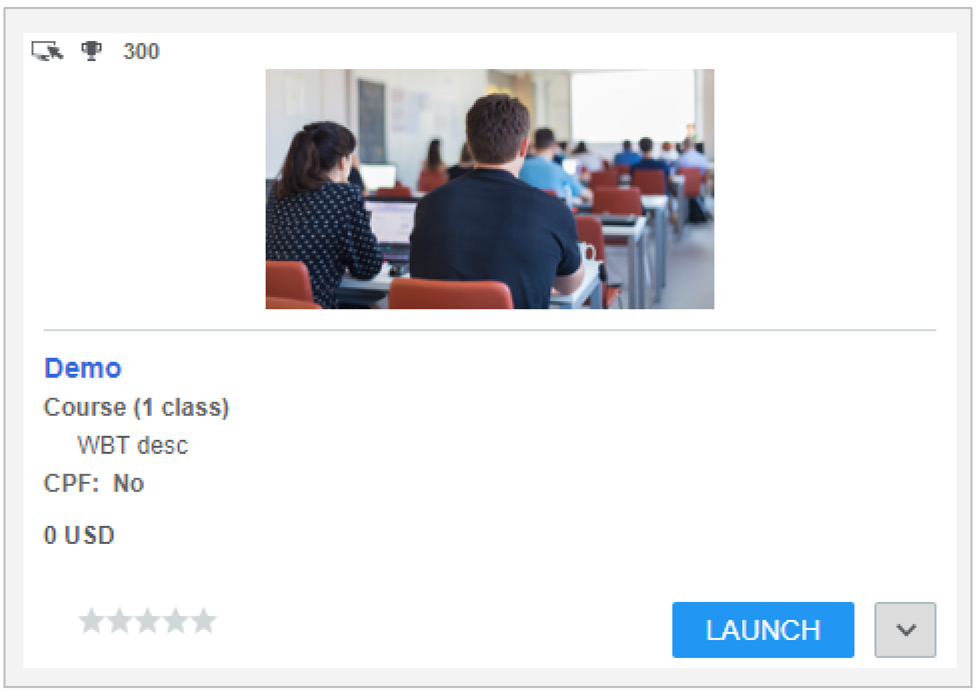


Figure 74: New default image for simplified courses in search results

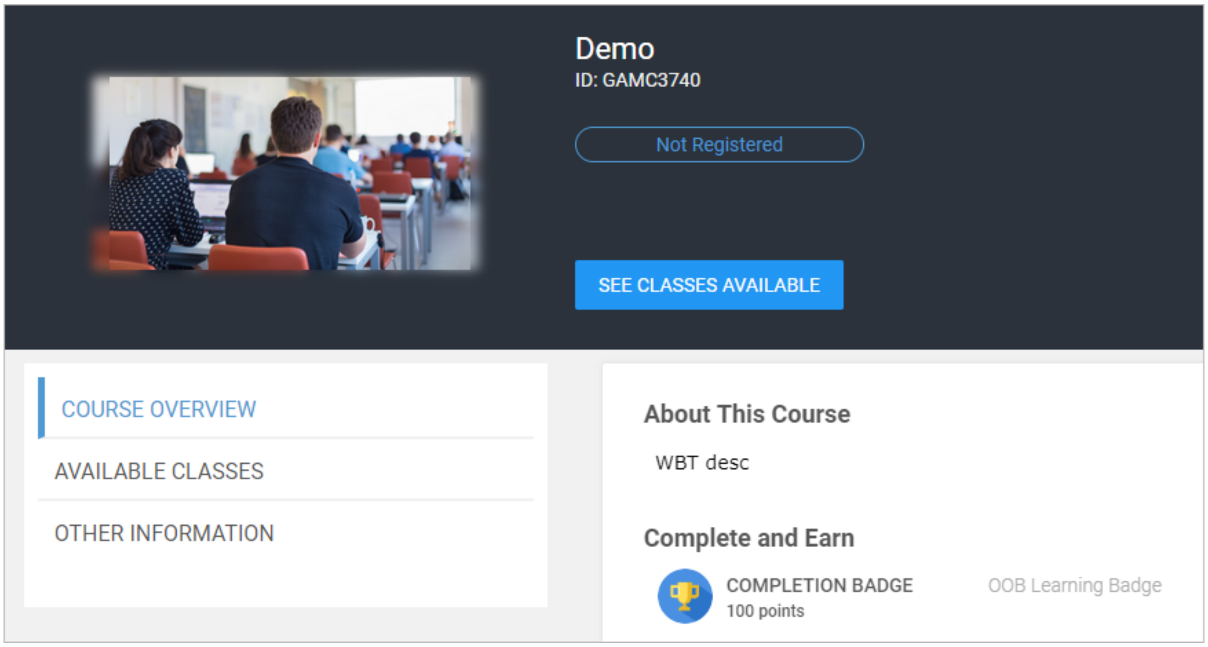


Figure 75: New default image for simplified courses on details page

Chapter

5

Marketplace

Topics:

This section includes the following topics that will guide you through the new features and improvements under Marketplace.

Enhancements to Workday connector

When organization import was run in full mode, it sometimes did not return certain organizations.

Workday connector now returns all organizations when organization import is run in full mode.

When the user needs to import the full range of organization import data, the **Exclude data range for full run** check box can be selected.

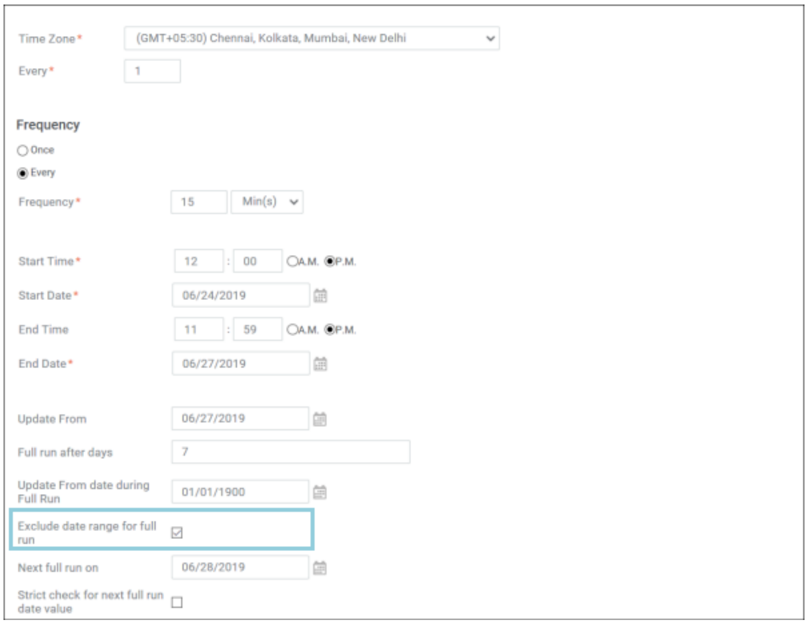


Figure 76: Exclude date range for org import

By default it is unchecked.

Additionally, Workday connector will now work for any version and not be restricted to certain versions only provided the data mappings refer to the correct xpath.

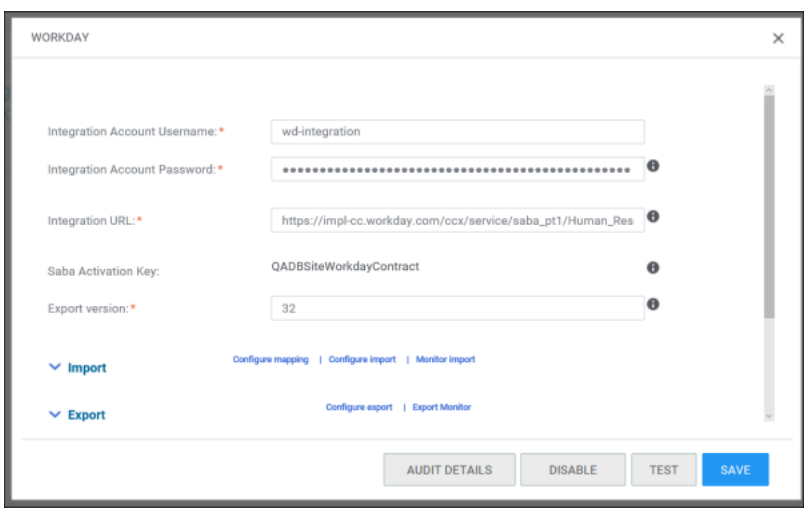


Figure 77: Workday connector version upgrade

Note: This will only apply to imports and not exports. The export option will support up to version 32.2.

Enhancements to UltiPro connector

JIRA ID: SPC-131009

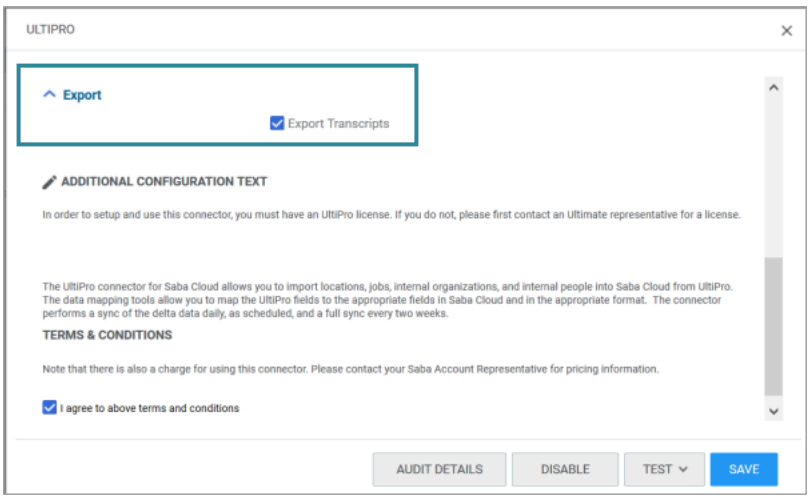
Prior to this release, users were not able to view course completions directly from UltiPro connector. They could access the information only from Saba Cloud.

In this release, course completions can be exported from Saba Cloud to UltiPro directly.

The following mappings are activated upon enabling this feature:

- Saba Cloud Course to UltiPro Development Opportunity
- Saba Cloud Transcript to Ultipro Development Opportunity Participation

In addition, the export schedule can be configured and you can download the log file to view the export process status.



Note:

- Export will only work for Internal person brought in from UltiPro Connector.
- Existing clients already using connector will need one full run for Employees Import, before starting to use exports.
- Connector will not export transcripts for Recurring courses.

Connector for Saba Hub

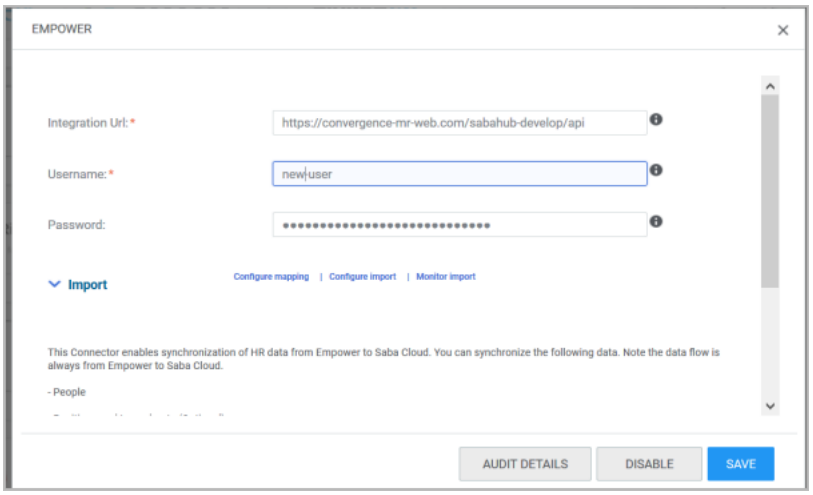
In this update a new connector for Saba Hub has been added in Saba Cloud Marketplace.

Saba Hub is a Saba product for managing core HR functionality. If you have questions on this product, please reach out to your Account Manager.

This Connector enables synchronization of HR data from Saba Hub to Saba Cloud.

You can synchronize the following data. The data flow is always from Saba Hub to Saba Cloud.

- People
- Positions and Incumbents (Optional)
- Organizations
- Locations
- Jobs
- Job Families



As with other HRIS connectors you can configure the schedule, configure mapping and monitor imports.

For additional details, refer to the Saba Hub help under Saba help.

Chapter 6

me:time

Topics:

This section guides you through the new **me:time** feature in Saba Cloud.

me:time

me:time overview

Self-directed learning is a great way for organizations to ensure learning is in line with organization goals.

Saba *me:time* provides a new experience in Saba Cloud to deliver a personalized and engaging learning experience to support self-directed learning.

A personalized portal connects the user to available content based on their unique interests and behaviors, and the profiles of other learners. Learning can be quickly launched and users can determine whether it will be added to their learning profile. *me:time* also leverages Saba Cloud's social capabilities to curate and share discovered content.

Learning can be surfaced in *me:time* via supported Marketplace connectors, direct contribution based on privileges for videos, files, or links, and automatic curation of web-based content based on simple rules.

me:time configuration

By default, me:time is disabled in Saba Cloud.

The following services under **Saba Discovery** must be configured to enable me:time and its related resources.

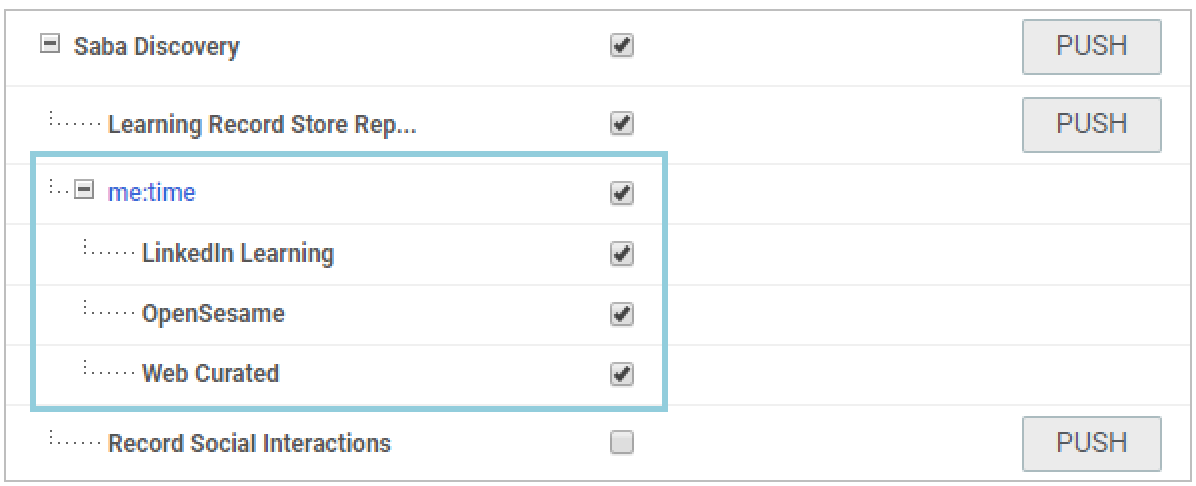


Figure 78: me:time service

Table 13: me:time services

Service Name *	Description	Default Value	Enable by Saba 'Admin' **	Enable by System Admin
me:time	Configure this service to enable or disable me:time in Saba Cloud. When this service is enabled, the **me:time** menu/tab is displayed in the Saba Cloud user interface.	Disabled	Yes	Yes

Service Name *	Description	Default Value	Enable by Saba 'Admin' **	Enable by System Admin
OpenSesame	Configure this service to enable or disable OpenSesame content vendor for me:time. When enabled, the ribbons on the **me:time** page display content sourced from OpenSesame.	Disabled	Yes	Yes
LinkedIn Learn~ ing	Configure this service to enable or disable LinkedIn Learning content vendor for me:time. When enabled, the ribbons on the **me:time** page display content sourced from LinkedIn Learning.	Disabled	Yes	Yes
Web Curated	Configure this service to enable or disable auto~ mated content curation for me:time. When the service is enabled and if the required periodic system notifications are set, then the ribbons on the **me:time** page display curated Web-based content in a periodic manner.	Disabled	Yes	Yes

Notes:

- * These services are not domain aware.
- ** To enable these services, submit a request. For more details, contact Saba support.

System administrators can configure these services by navigating to **Admin** > **System** > **Configure System** > **Services** > **Saba Discovery**.

me:time user roles and functions

Different Saba Cloud users interact with me:time in different ways.

The following figure indicates the various me:time user roles and their high-level functions.

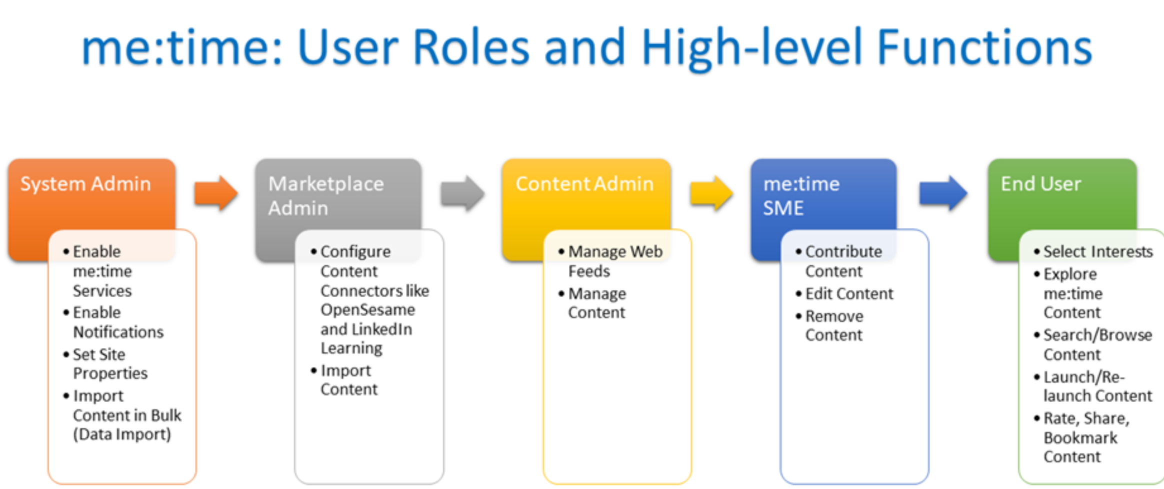


Figure 79: me:time roles and functions

Additionally, there are certain configurations that only Saba Cloud 'admin' users need to perform to enable certain functions.

Note: To enable such configurations, submit a request. For more details, contact Saba support.

Setup roles and privileges

To access me:time, System Administrators must grant the following privileges to user roles on the **System** component:

- **Can access me:time**

  If this privilege is granted to a role, then users having that role can view the me:time menu, me:time pages, me:time portlet, and me:time-related ribbons in the **Discover** portlet. They can access and launch me:time content through these areas and other areas of Saba Cloud such as global search and learning catalog.

  By default, this privilege is granted to the following security roles:

  - Super User
  - me:time SME
  - Internal Person, Basic Privileges

To configure the privilege, System Administrators can navigate to **Admin** > **System** > **Manage Security** > **Security Roles**, edit the required role, and select **System** component.

Supported content providers

Currently, me:time supports partner content only from the following content vendors:

- OpenSesame
- LinkedIn Learning

Ensure that the required services are enabled and the content vendor is integrated to work successfully with Saba Cloud.

Once me:time is enabled and the appropriate external content vendors are configured in Saba Cloud, the system starts displaying corresponding vendor content in me:time. Depending on the content vendor, external content is synchronized either manually or using periodic synchronization jobs. For example, content from LinkedIn Learning is updated daily when the predefined periodic synchronization job runs in Saba Cloud.

System administrators can also import content in bulk from these vendors using bulk content import.

Only content administrators can edit the content imported from content vendors such as OpenSesame and LinkedIn Learning from the **Admin** > **Learning** > **Manage Content** workflow.

Additionally, users with the 'me:time SME' role can also contribute content to me:time. For more details, see Contribute content to me:time.

Automated content curation

me:time supports automated content curation using the **Web Curated** service. Once you integrate Web Curated learning with Saba Cloud, external Web-based content is curated based on your interests, and you can consume such content through me:time.

By automating the curation of external Web-based content, the organization ensures their employees can receive a source of continuous learning without requiring significant investment of time on the part of the learner or the administrator.

Saba Cloud "admin" users need to set up the required set of properties to create the necessary integration between the web curation provider and Saba Cloud. They also need to define a set of content curation properties. Once the properties are in place, they need to set up the required periodic notification event for fetching external web content for me:time consumption.

Note: To enable content curation properties and notification, submit a request. For more details, contact Saba support.

Saba Cloud fetches the top 10 (based on score) content from external Web sites for each interest, which are published in the last one year from the event trigger. The fetched contents are stored as URL-based content in the system-generated content folder "me:time Curated Contents" in the Saba content library. These contents are displayed to users in the me:time pages based on their configured interests. They also appear when users search or browse the learning catalog.

Manage web feeds

To support automated content curation, Saba Cloud provides a way for Content Administrators to define interests mappings that can pre-populate the site with a default set of interests. As a content administrator, you can manage a set of interests that you are interested in and the Web domain you want to retrieve these interests from. By default, the pre-defined interests do not contain any keywords or domains. You can optionally map an interest to a single keyword. This mapping is called a Web Feed.

Note: To enable this feature, your system administrator must configure the **Content Curation** properties for the microsite.

Once the required services and settings for me:time curated content are in place, Saba Cloud retrieves content from the external feed based on the interest, keyword, and domain mappings, and populates them on the **me:time** home page. For example, if you map the interest "Coaching & Mentoring" with a keyword "Learning Path" and include the 'mymentor.com' domain, then Saba Cloud fetches content articles that match the combination of "Coaching & Mentoring" and "Learning Path" only from the site URL whose domain matches 'mymentor.com'. If you do not specify any keyword for an interest, then Saba Cloud fetches content articles based on the Interest name only.

Note: The web feed interests are available for selection in **me:time** only if some associated curated content is available for consumption.

Disabling the content curation properties does not remove the existing content or interests from me:time.

The **Web Feeds** menu under **Manage Content** allows you to manage such set of interests.

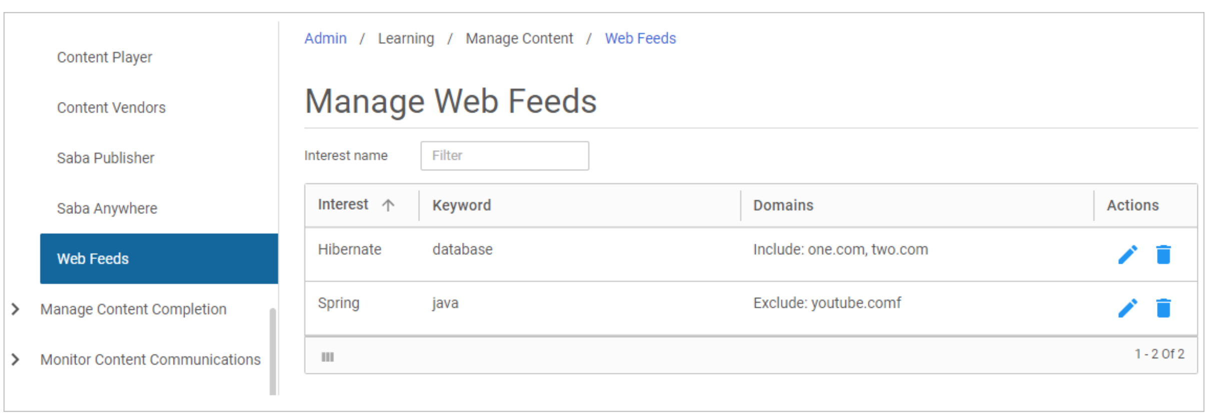


Figure 80: Manage web feeds

Currently, Saba Cloud provides only pre-defined web feeds. You cannot create new feeds. But you can edit and delete existing ones.

me:time recommendations

Saba Cloud provides a robust recommendations engine that powers the content you see in the various me:time ribbons.

The recommendations engine uses multiple criteria as input to generate the required content recommendations. Input criteria can include user interests, in-progress or completed me:time content of users, user roles, and positions, and so on. These criteria are fed to the engine, which in turn processes them, and recommends different content to different me:time users.

For example, the ribbon called "People in your Positions /Roles are interested in" displays content recommendations by finding most similar users and then picking up content taken by those users. The recommended list of content are based on a common set of courses for people with similar roles.

Another example includes the "You may also like" ribbon, which displays content recommendations based on interests already subscribed by the user. So, if a user has selected 'Leadership' as an interest, then in addition to the 'Trending in Leadership' ribbon, they may also see a ribbon called "You may also like Project Management" on their **me:time** page.

The recommendations are sent to me:time users periodically only if the **Generate me:time recommendations** notification event is configured by your System Administrator.

Note: Only Saba Cloud 'admin' users can set up the recommendations engine properties. To enable these recommendations, submit a request. For more details, contact Saba support.

me:time home page

If the **me:time** service is enabled, then Saba Cloud displays the **me:time** menu and its related pages. The me:time feature allows you to explore a variety of learning content based on your selected interests.

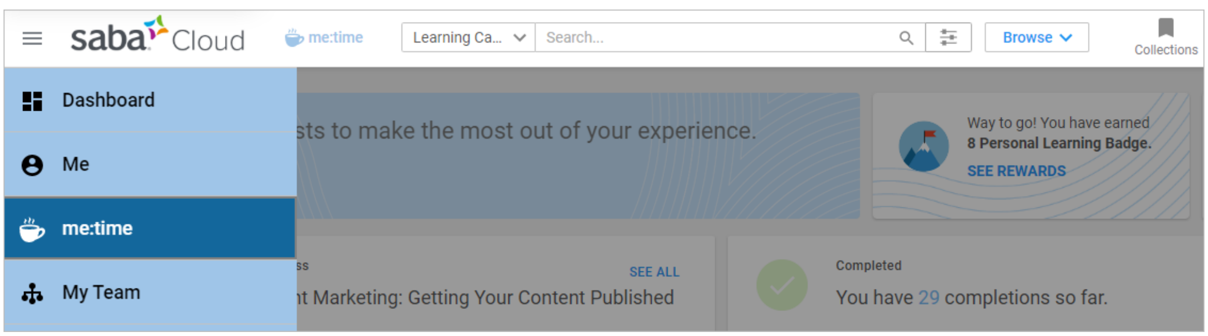


Figure 81: me:time menu

If no content vendors are configured, then when you view the **me:time** page for the first time, it does not display any interests or content ribbons.

If one or more content vendors are configured and external content is imported into Saba Cloud, then the **me:time** page displays a set interests and the following set of default ribbons with curated content.

- Popular with other users
- Highest rated content
- Trending in *<most popular interest>*
- Trending in *<second most popular interest>*

me:time portlet

If the **me:time** service is enabled, then you can add the **me:time** portlet to your Saba Cloud **Dashboard** (or **Home**). This portlet acts as a window to your me:time content. It provides a summary of your me:time content completions and in-progress me:time content. From this portlet, you can directly go to your **me:time** page, all in-progress content page, all completed me:time content page, or the page to add/edit your interests.

The portlet initially displays six of your top interests. If you want to view more interests, click the **More** link. This displays an additional six interests, and so on.

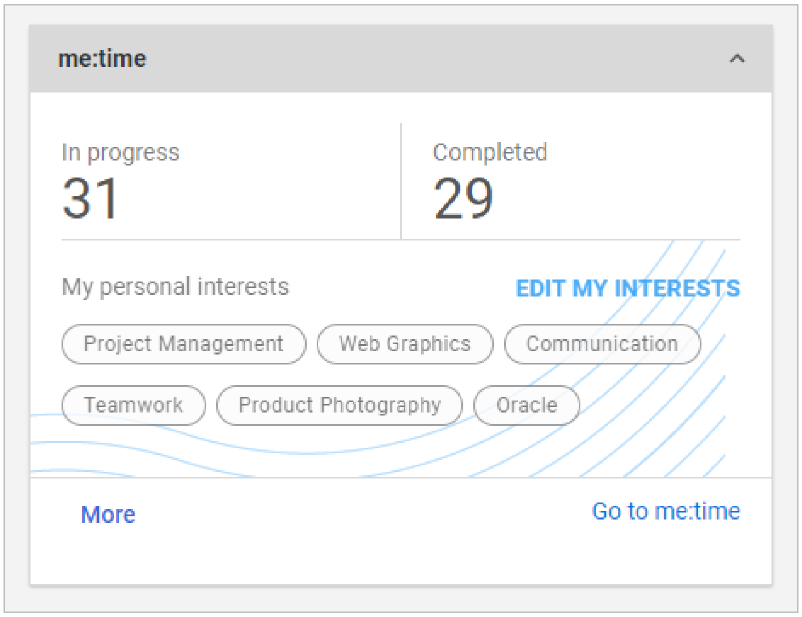


Figure 82: me:time portlet

me:time content in Discover portlet

me:time also introduces a new ribbon called **Discover Based On Your Interests** in the **Discover** portlet.

This ribbon displays me:time contents based on your selected interests. It does not display your in-progress and completed me:time content. If you have not selected any interests, then this ribbon is not displayed, irrespective of other settings.

By default, this ribbon is not displayed. It is displayed only when the following setting is enabled.

- **Display Discover Based On Your Interests ribbon**

To configure the setting, System Administrators can navigate to **Admin** > **System** > **Configure System** > **Services**, expand **Foundation** > **Discover Portlet** service, and click the **Settings** tab.

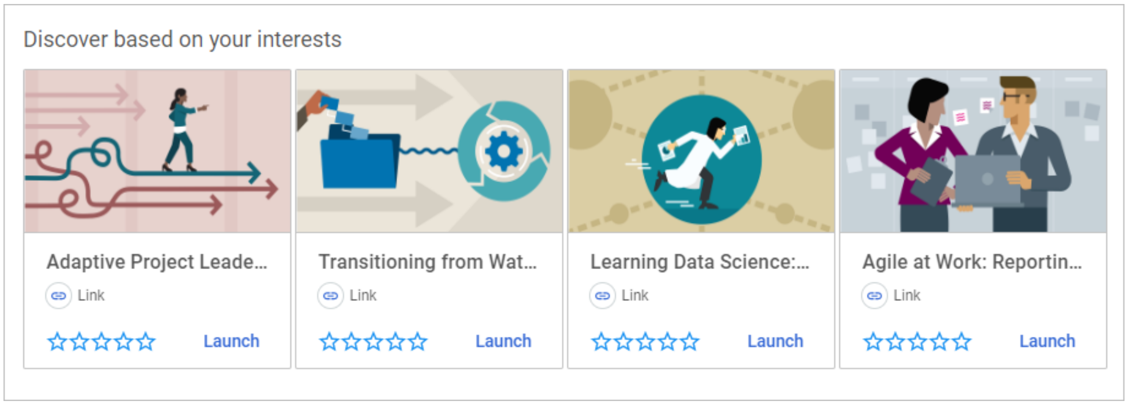


Figure 83: Discover based on your interests

Additionally, me:time content is also displayed in the following ribbons in the **Discover** portlet:

- **Shared With You**

  me:time content is displayed in this ribbon only if another user has shared me:time content with you. Saba Cloud sends you a notification when such content is shared with you.

- **Saved For Later**

  me:time content is displayed in this ribbon only if you have saved the content in your **Saved For Later** 'collection' folder.

Note: To view these ribbons, the ribbon-related settings must be enabled for the **Discover Portlet** service.

What are interests?

Interests are based on tags in Saba Cloud. When content is imported from integrated vendors, these tags are retrieved and assigned to content and courses in Saba Cloud. Certain interests are also pre-populated into the system in the form of Web feeds. All such interests are displayed on the **me:time** page.

Users with the 'me:time SME' role can also define interests and associate them with the content they upload in me:time. Such interests also surface on the **me:time** page.

Users can select one or more interests of their liking from a set of most popular interests in the system.

The popularity of an interest is determined based on the number of people following the interest. So, more the number of people following an interest, the more popular it is.

The following figure indicates a sample set of most popular interests displayed to a user, and their selected interests (highlighted in blue).

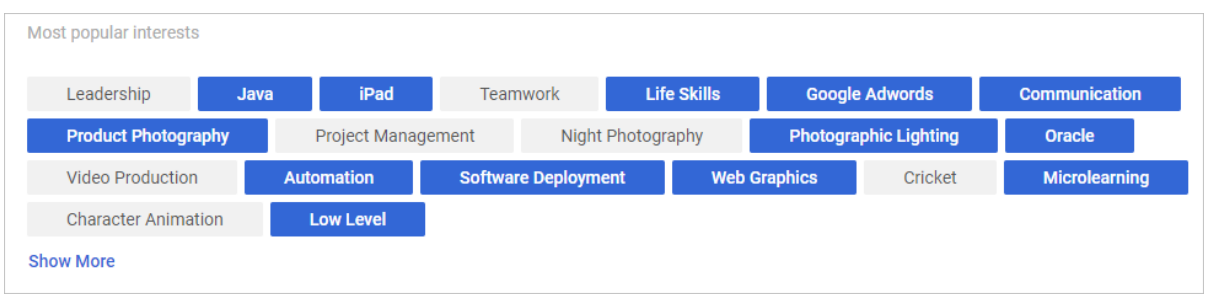


Figure 84: Most popular interests

You can edit your personal interests to change the set of recommended learning on your **me:time** page.

Explore me:time content

Once you save your interest preferences, the **me:time** page displays content based on the selected interests in the form of various interest ribbons. For example, if you selected 'Communication' as an interest, then the page displays a 'Communication latest content' ribbon as illustrated below.

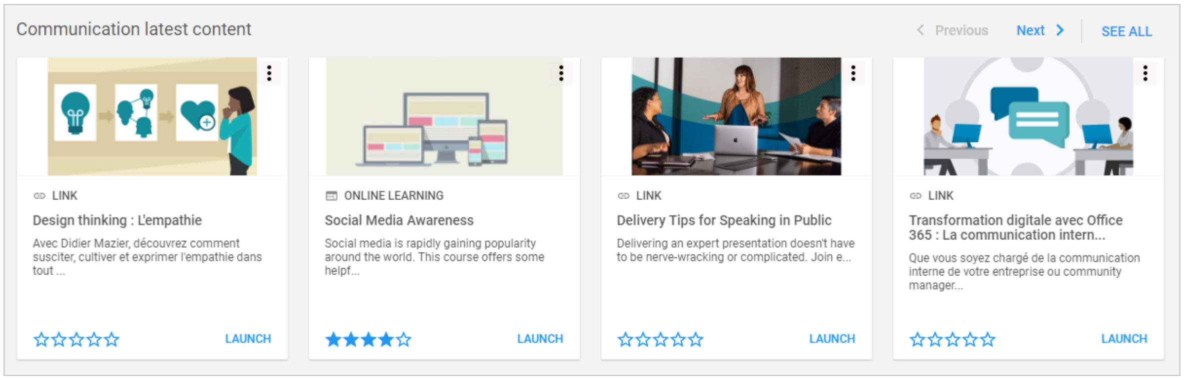


Figure 85: Learning content in selected interest ribbon

The content presented in each interest ribbon is based on a combination of parameters such as latest imported content, popularity (number of launches), and number of content ratings.

Each ribbon can display up to 20 content items. Scroll through the content in a ribbon using the **Next** and **Previous** links to see all 20. To view all content in a particular interest, either click the specific interest tag under **My personal interests** or click the **See All** link in the interest ribbon.

Note: Currently, the **me:time** page displays all me:time content, irrespective of your domain.

Here's how a sample me:time page looks like. It displays your selected interests, your in-progress content, your completed content, and various ribbons.

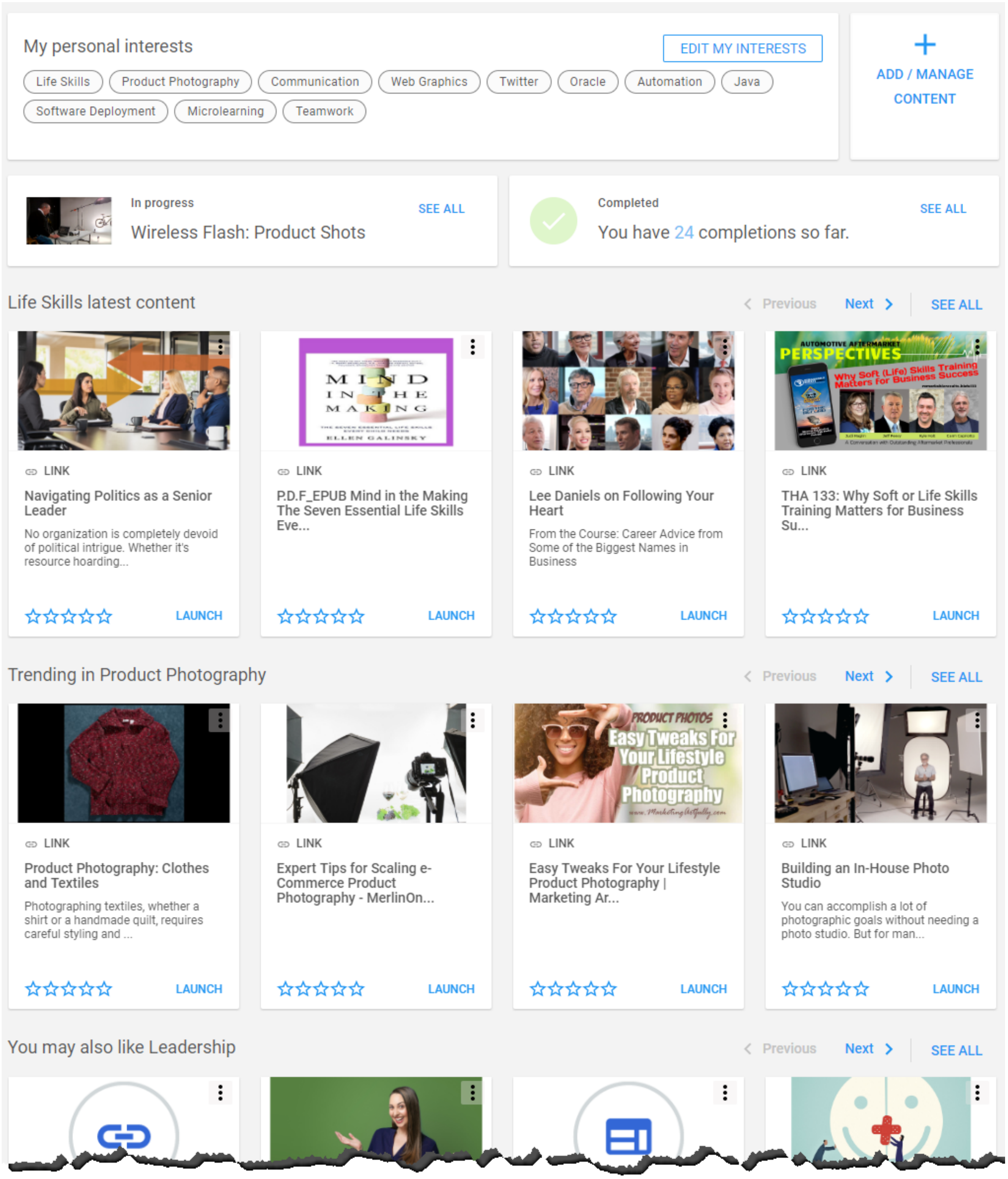


Figure 86: me:time page

Interest ribbons

The following types of interest ribbons are displayed in the **me:time** home page.

Depending on your system configuration, you may not see all ribbons. The availability of certain ribbons and the content they hold depends on your selected interests and Saba Cloud's in-built recommendations engine.

Note: To enable such ribbons, submit a request. For details, contact your system administrator.

Table 14: Interest ribbons in me:time

Ribbon Name	Description
Highest rated content	Displays 20 randomly selected items out of 50 most highly-rated content of all interests, provided their rating is higher than the threshold rating specified. The threshold rating for the highest-rated content is set by the Saba Cloud 'admin' user. **Note:** To modify this value, submit a request. For more details, contact Saba support.
<interest-name> latest content	This ribbon displays 20 randomly selected items out of 50 from the user's first interest sequenced by time of creation in the system.
Trending in *<most popular interest>*	Displays 20 randomly selected items out of 50 of the most popular interest based on user consumption in the system.
Trending in *<second most popular interest>*	Displays 20 randomly selected items out of 50 of the second most popular interest based on user consumption in the system.
Popular with other learners	Displays 20 randomly selected items out of 50 from the most popular content of all interests based on user consumption (in terms of number of content launches) in the system.
You may also like *<interest-name>*	Displays 20 randomly selected items out of 50 of the interest selected by the recommendations engine based on interests already subscribed by the user. The content in this ribbon depends on Saba Cloud's in-built recommendations engine. **Note:** To set the properties for the me:time recommendation engine, contact your system administrator.
People in your Position/Role are interested in	Displays 20 randomly selected items out of 50 based on the content selected by people in similar roles and positions. The content in this ribbon depends on Saba Cloud's in-built recommendations engine. **Note:** To set the properties for the me:time recommendation engine, contact your system administrator.

Search and browse me:time

You can search or browse for me:time content along with other resources in Saba Cloud. You can either use the global search or the browse catalog functionality to access me:time content.

Note: The global search results display me:time content based on your domain, whereas the me:time page displays content irrespective of your domain.

You can search for me:time content as follows:

- Perform a simple global search

  If you know the content name, type in the keyword or phrase in the search field.

Figure 87: Global search

- Perform an advanced global search

  In the **Learning Event Type** search field, select 'Interest-Based Content'.

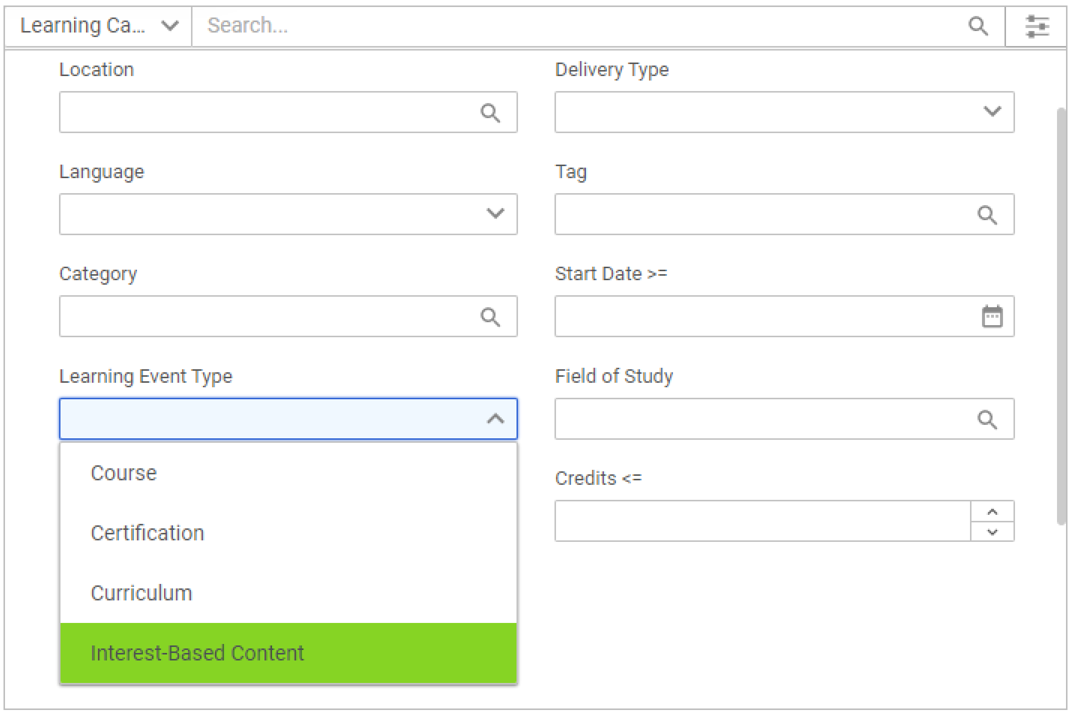


Figure 88: Search for me:time content

- Search using me:time interest tags

  Click the required interest tag under **My personal interests** section.

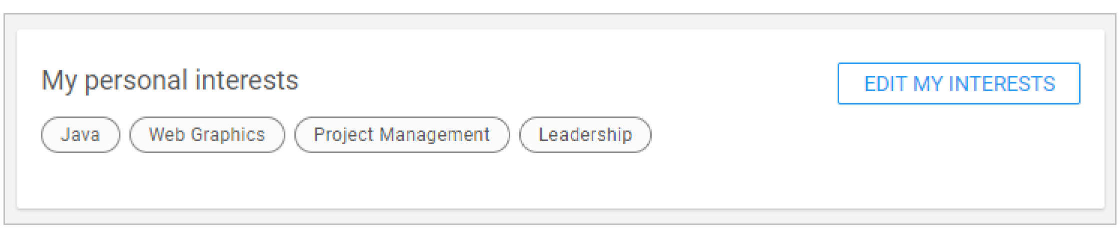


Figure 89: My personal interests section

Click the required interest tag under **Interests** section on the content details page.

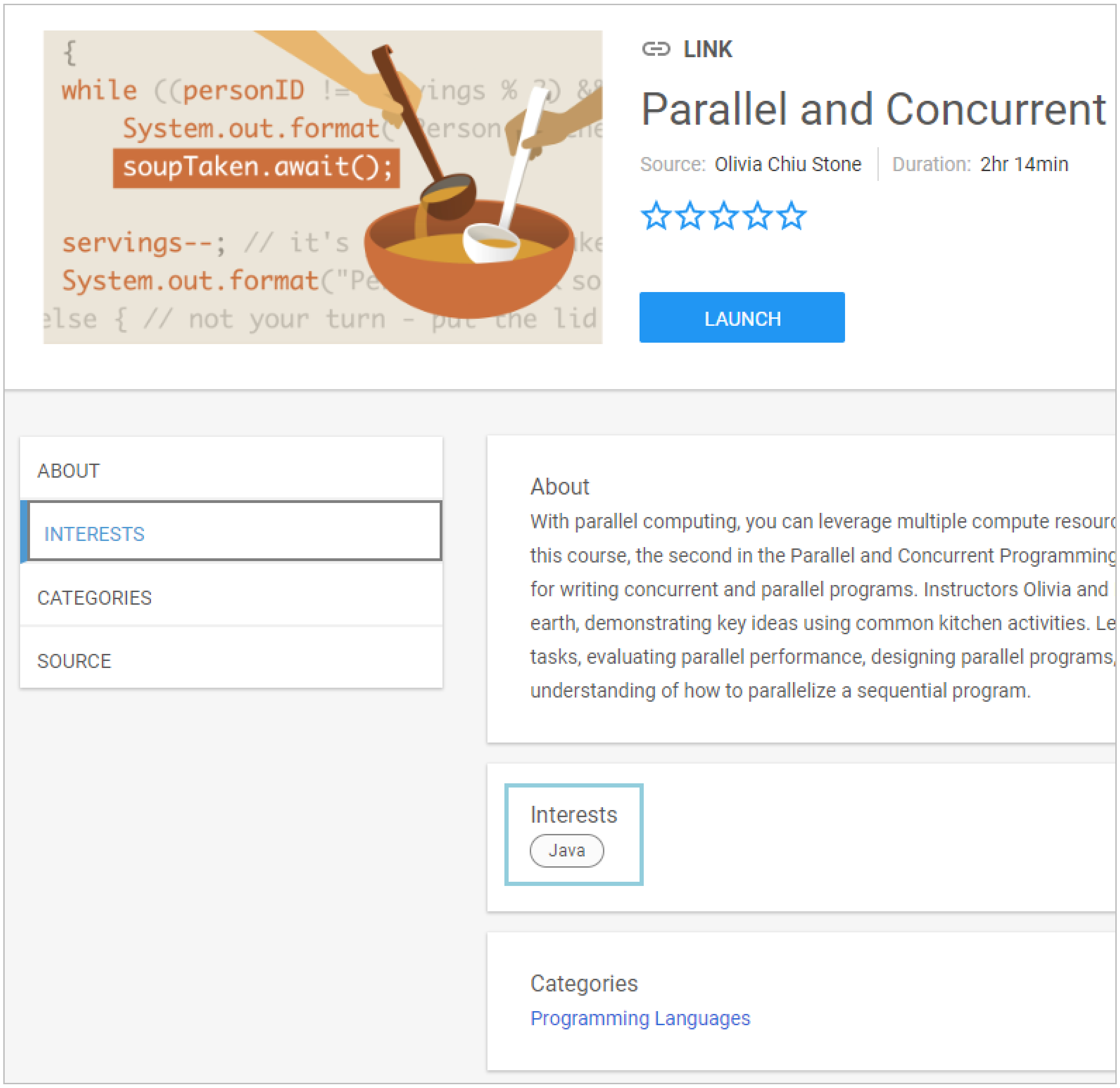


Figure 90: Interests section

- Search using me:time categories

  Click the required category tag under **Categories** section on the content details page.

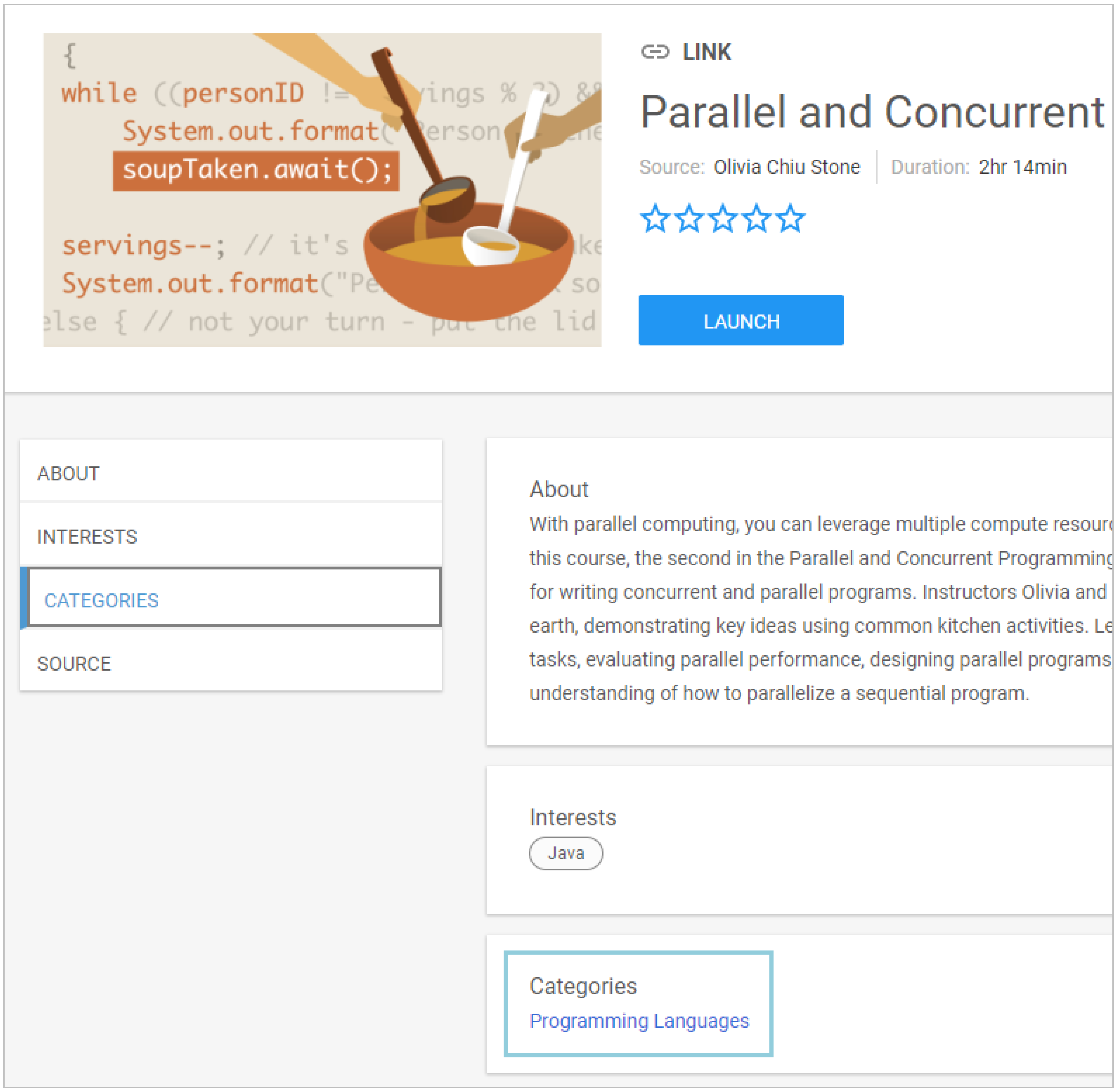


Figure 91: Categories section

- Search using me:time content vendors

  Click the **View all items** link under **Created By** section on the content details page.

  Note: This section is available only if the content vendor information is associated with the content.

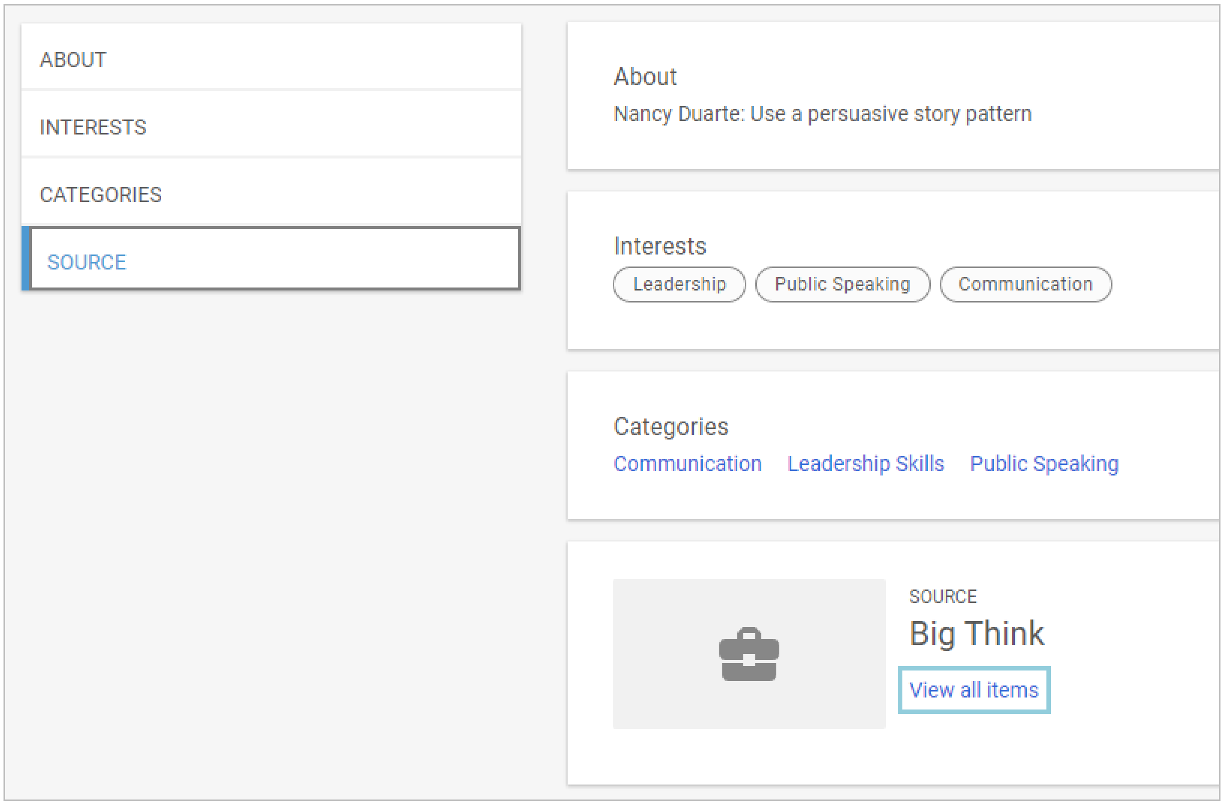


Figure 92: Created by section

You can easily browse for me:time content in the Saba Cloud learning catalog by clicking the **Browse** button besides the global search. Select the 'me:time' checkbox under **Learning Event Type** to filter me:time content.

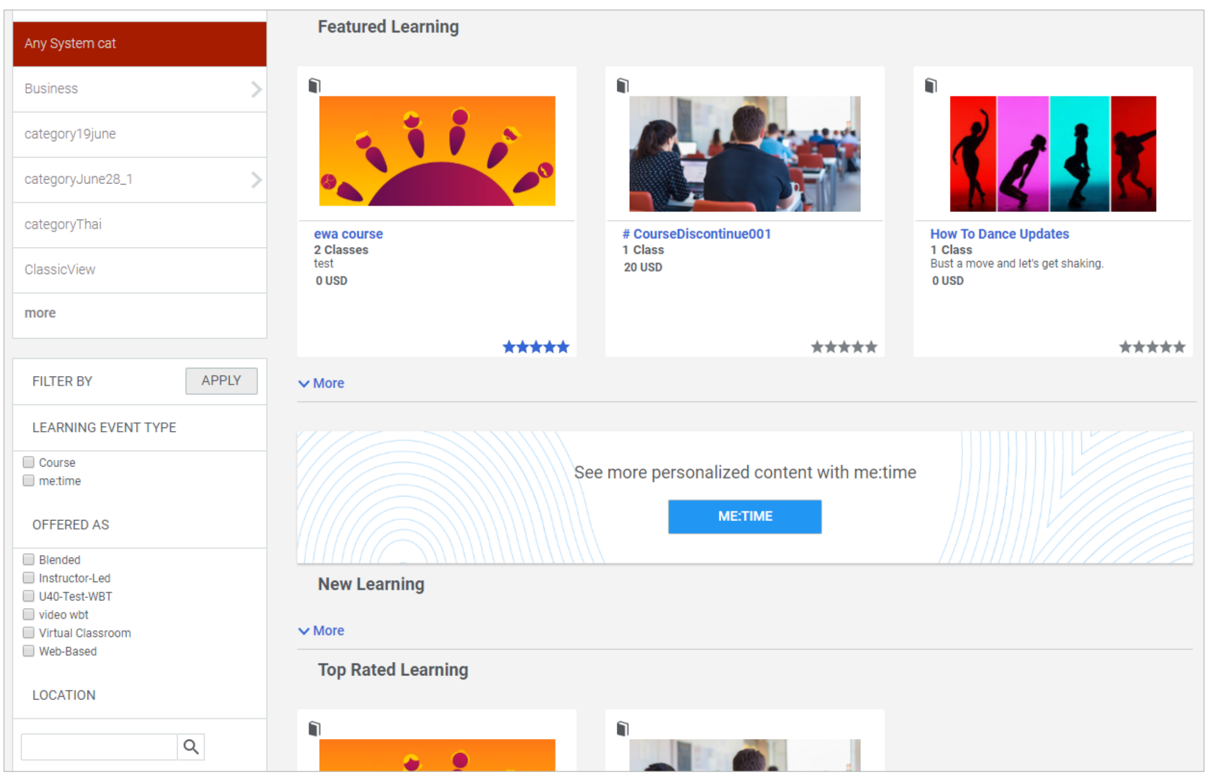


Figure 93: Browse page

View your in-progress me:time content

The **me:time** page displays your recently launched in-progress content in a separate **In progress** section for quick access. This section appears on top of all interest ribbons, just after your interests section.

Note: When you do not have any in-progress or completed me:time content, this section is not displayed.

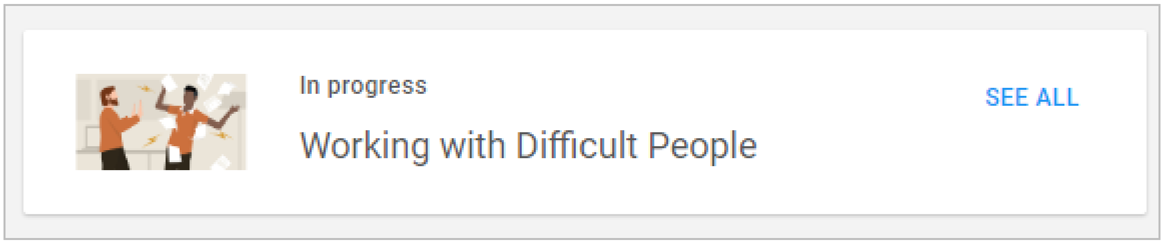


Figure 94: In-progress content section

To view all your in-progress content, click the **See All** link in the section.

View your completed me:time content

The **me:time** page displays a quick summary of all your completed learning content in a separate **Completed** section. This section appears on top of all interest ribbons, just besides the **In progress** content section. The section displays the number of me:time content items you have completed so far.

Note: When you do not have any in-progress or completed me:time content, this section is not displayed.

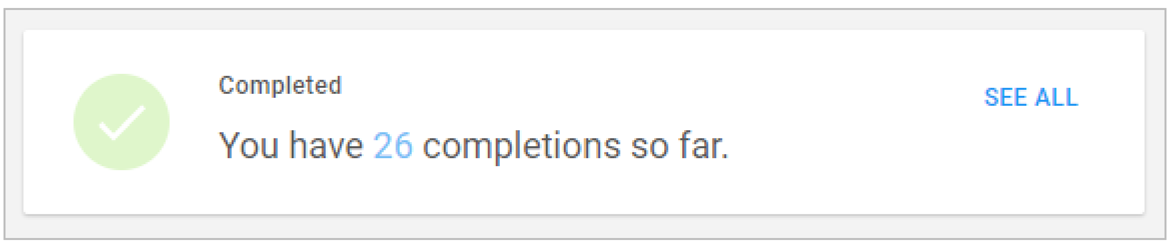


Figure 95: Completed content section

To view all your completed me:time content items, click the **See All** link in the section.

Manage your me:time content

Once you have found the content of your choice in me:time, you can perform the following actions on this content.

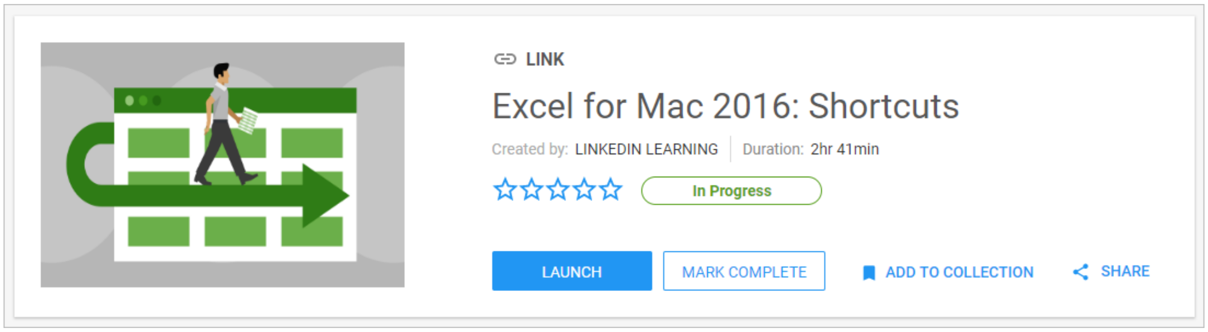


Figure 96: Actions on me:time content

Table 15: Supported actions

Action	Description	Status
Launch	Click **Launch** to launch the me:time content. The content launches in the NG Content Player. Once you launch a content, it moves to the *In-progress* status. You can launch a content multiple times. The player detects if you launched the content earlier, and if so, provides you an option to resume from your last attempt.	Not Started In-progress
Mark Complete	Click **Mark Complete** to mark complete your in-progress me:time content. Every content completion is recorded to the Saba LRS as an 'Experienced' record. Once you mark complete a content, it moves to the *Completed* status.	In-progress
Rate	Click the rating stars of a completed content to rate the content. You can choose to rate between one to five stars. The ratings you provide are restricted to me:time only; they cannot be seen from other areas of Saba Cloud where the content is visible.	Completed
Add to Collection	Click **Add to Collection** to bookmark a me:time content. If you add the content to your **Saved For Later** 'collection' folder, then such content is displayed in your **Saved For Later** ribbon in the **Discover** portlet.	Not Started In-progress
Share	Click **share** to share a me:time content with other users.	Not Started In-progress
Relaunch	Click **Relaunch** to launch a completed content again. Relaunching a content moves it back to the *In-progress* status.	Completed

Note: Once content expires, it is no longer displayed in a user's bookmarks, Completed Learning portlet, and In-progress Learning portlet.

Generate transcripts for me:time content completions

Depending on your system configuration, Saba Cloud can generate a transcript when you mark complete a me:time content.

Note: To enable or disable transcript generation, submit a request. For more details, contact Saba support.

You can view the transcript of your completed me:time course from:

- **Me** > **Plan** > **Learning & Certifications**, and
- **Me** > **Completed Learning**

Your me:time courses appears along with your other completed learning. However, the course name link is not clickable and you cannot view the content details from this page. The set of actions you can perform on such courses is also limited.

Note: If the "Manager approval required for ad hoc transcript" setting is enabled, then your manager needs to approve the transcript entry before you can view it in your plan.

View your completion badges

When you mark a me:time content as complete, and if the **Rewards** service is enabled for your domain, you get a 'Personal Learning Badge' badge as a reward for the achievement. If the badge has points associated with it, then you earn those points as well.

Note: Once a badge is awarded for a particular content, Saba Cloud does not award it again for multiple completions of the same content.

Your **me:time** page displays the number of Personal Learning Badges you have earned in a separate section as illustrated below.

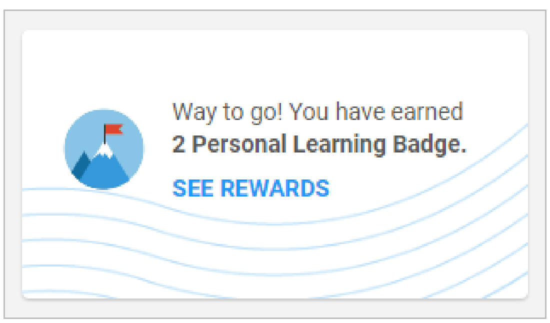


Figure 97: Personal Learning Badge section

You can click the **See Rewards** link to view your **My Rewards** page. Your Personal Learning Badge can be viewed under **Achievement** along with other types of achievement badges earned by you.

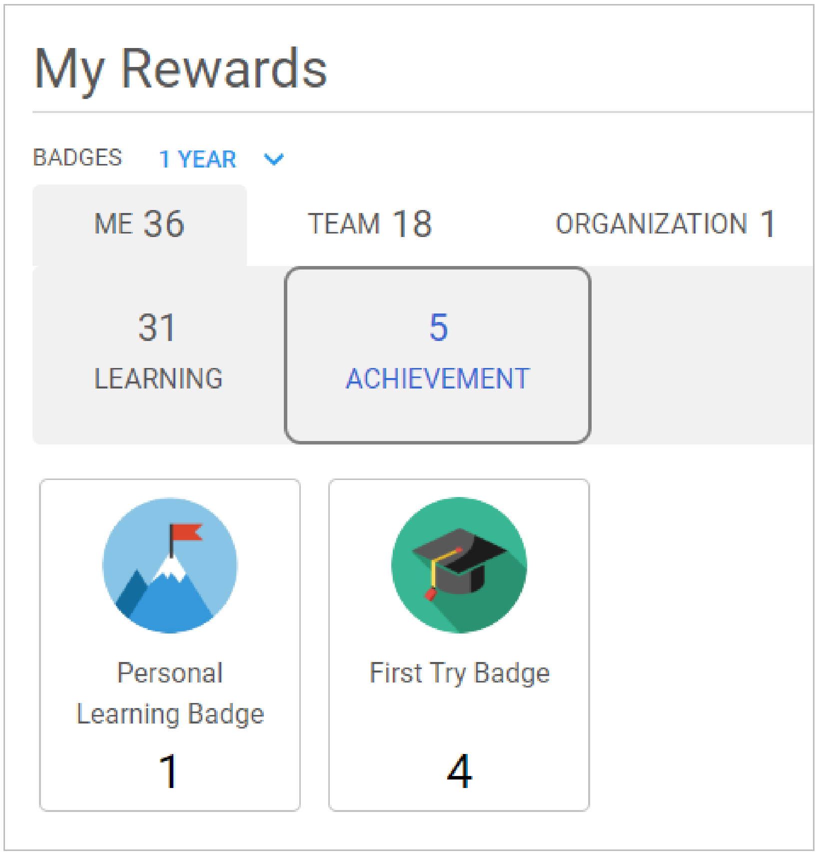


Figure 98: Personal Learning Badges on Rewards page

Your HR administrator can edit a Personal Learning Badge and associate points with them.

Contribute content to me:time

me:time supports a broader aspect of self-directed learning by allowing certain designated users to contribute content and interests for me:time consumption.

Such users need to be granted the following pre-defined security role:

- **me:time SME**

  This role provides administrator access to the content repository in Saba Cloud. A person with this role gets permissions to view, import, and edit content in me:time. They can import and manage content of type video, file, and link, and associate interests with the content.

System administrators can grant this role to users by navigating to **Admin** > **System** > **Manage Security** > **Security Roles**.

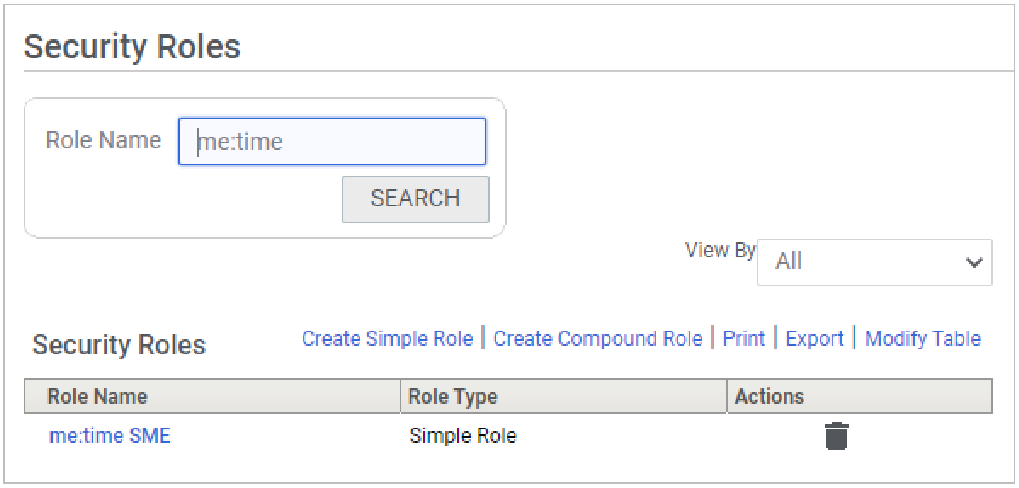


Figure 99: me:time SME role

Once users are granted this role, they can see an additional **Add/Manage Content** section on the **me:time** page as illustrated below.

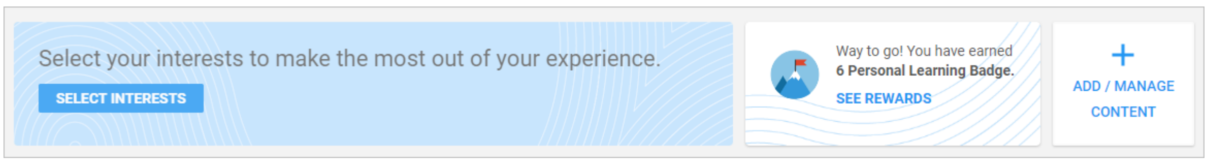


Figure 100: Add/Manage me:time content

Such users can add content of the type Video (if Saba Video is enabled), File, and Link. All uploaded content is stored in the Saba content library and is accessible only from the **Contributed Content** page and **me:time** page ribbons. Content administrators cannot access this content from the **Learning** > **Manage Content** area.

While contributing such content, it is mandatory to add interests. These interests (tags) are separate from tags related to social resources in Saba Cloud. So, users can use the same tag in both me:time and social.

Following is a sample illustration of adding video content to me:time.

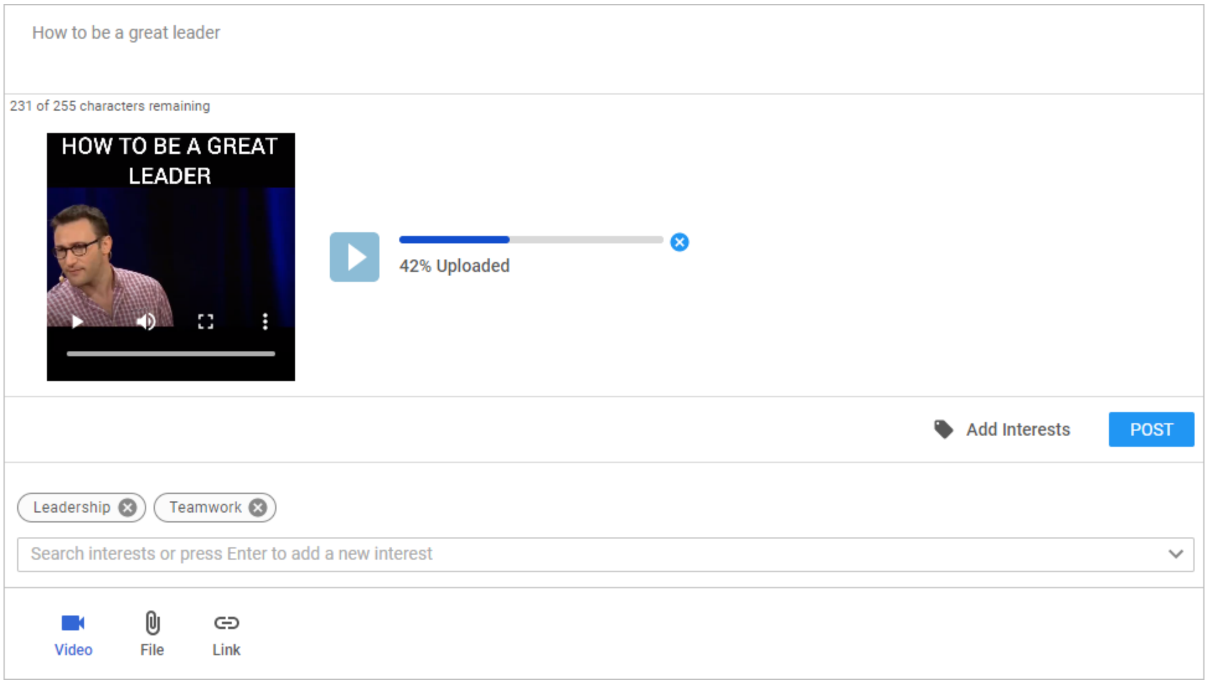


Figure 101: Add video to me:time

As a me:time SME, you can perform the following actions on a content contributed by you or others to me:time:

- Edit the title, description, and interests
- Remove content from me:time. The content is moved to the 'Purged' status and is removed from the **Contributed Content** page and **me:time** page ribbons.

Following is a sample illustration of editing a me:time content.

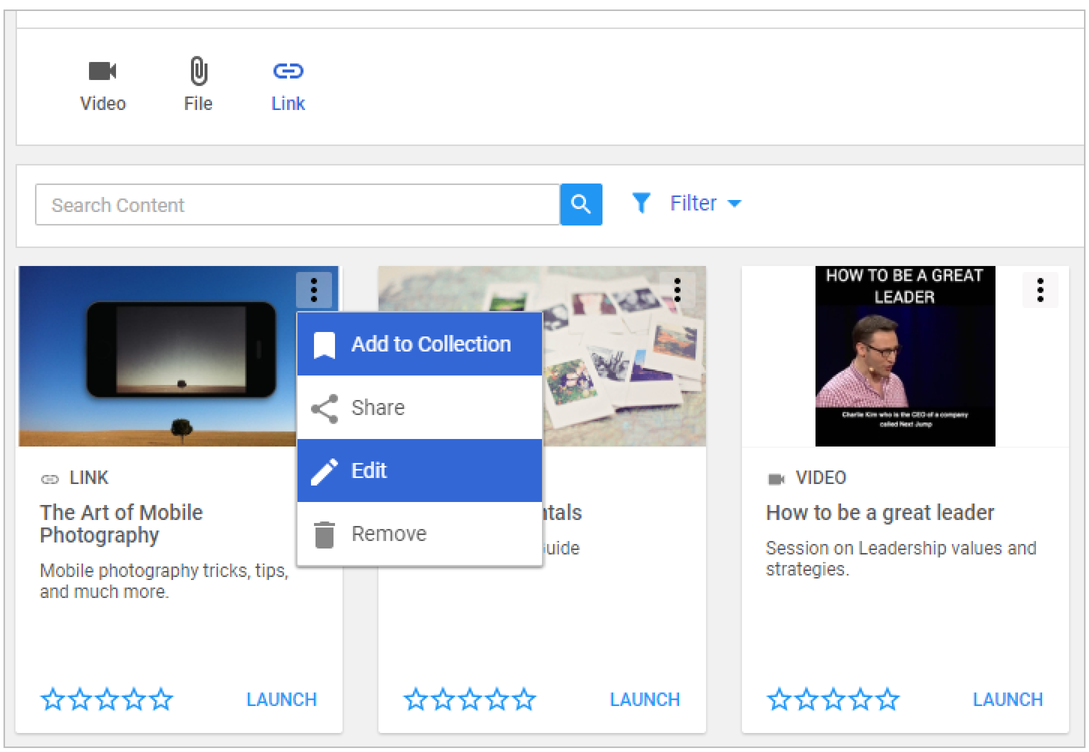


Figure 102: Edit me:time content

Additionally, me:time SME users have all other required privileges to manage me:time content and perform actions such as launch, rate, share, and so on. For more details, see Manage your me:time content.

Chapter 7

Meeting

Topics:

This section includes topics to guide you through new features and improvements under the **Meeting** administrator tab in Saba Cloud.

Saba Meeting also includes additional new features and enhancements. For details, refer to the Saba Meeting What's new in online community.

New Meeting Home page

This update introduces a new **Home** page for Meeting administrators in Saba Cloud. They can access this page by clicking the **Admin** > **Meeting** > **Meeting Home** menu.

The new **Home** page provides the following links under 'Top Saba Meeting Activities' as illustrated in the figure below:

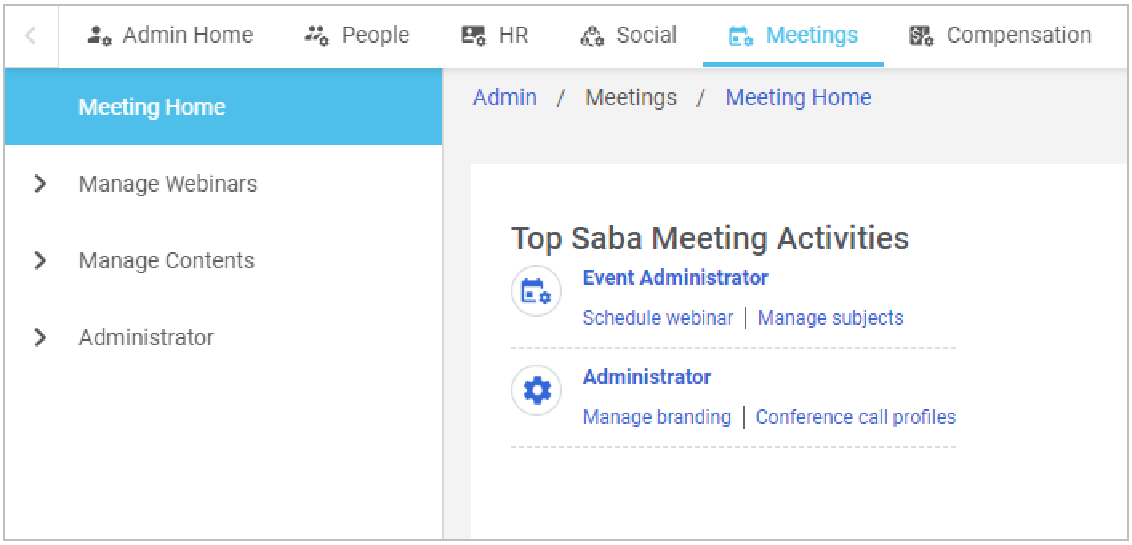


Figure 103: Feedback per choice

Provide access to Virtual Classroom events

Prior to this update, Virtual Classroom events were not displayed in the following workflows even when users had confirmed registrations:

- **Upcoming Meetings** tab under **Me** > **Meetings**
- **Meetings** potlet on the **Home** page

Users who had both learning and meeting services enabled failed to understand why a VC event is not displayed in upcoming events although they know they were registered for it.

With this update, Saba Cloud now displays Virtual Classroom events for users with confirmed registrations in the following workflows:

- **Upcoming Meetings** tab under **Me** > **Meetings**

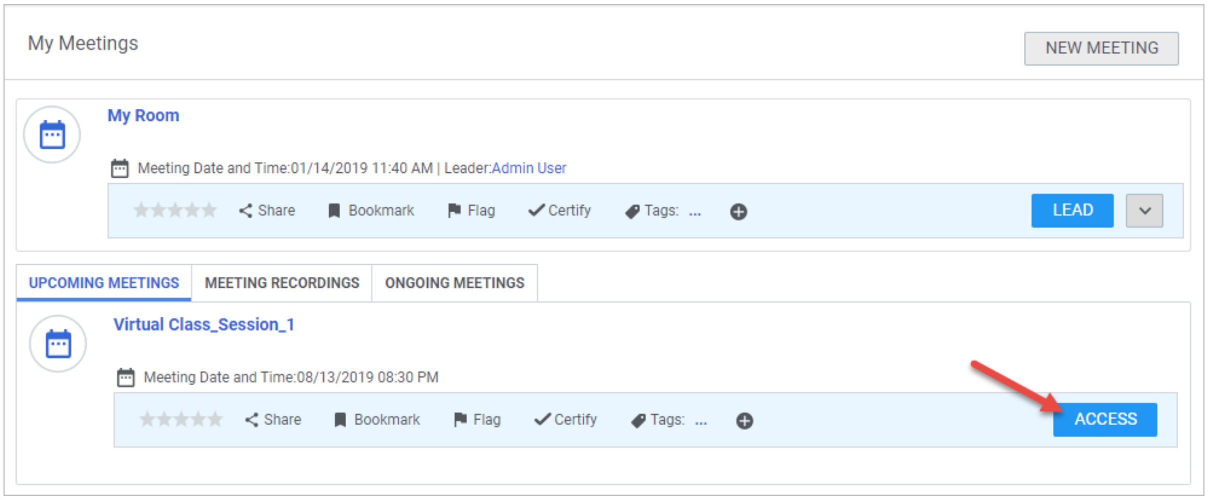


Figure 104: Upcoming Meetings tab

- **Meetings** potlet on the **Home** page

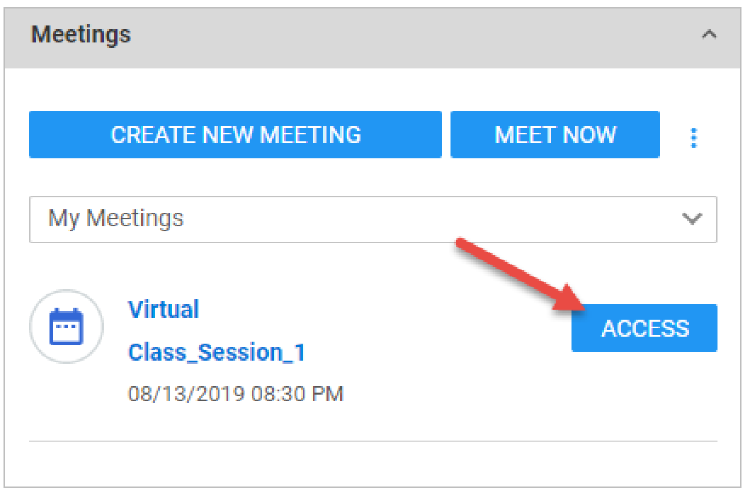


Figure 105: Meetings portlet

Users can view the new **Access** link for all such Virtual Classroom events. Clicking the link redirects them to the class details page. Clicking the event name link also navigates users to the class details page.

Users can then attend the class from the existing workflow where existing policies are applicable. For example, users can see the **Attend** action only 15 minutes before the event start time if it is set so.

This change does not affect the following:

- The recording playback workflow, where users can see the **Playback** button.
- The leader and presenter workflow, where they can see the **Lead** or **Present** button for upcoming sessions in both the workflows noted above.

Note: This feature is available only if the **Meeting** service is enabled for your site.

New Webinar Leader security role

Prior to this update, in an integrated Saba Cloud-Saba Meeting environment, Saba Cloud users did not have privileges to create Saba Meeting Webinar events, not even users with 'Virtual Event Admin' or 'Virtual Event Developer' security roles. Also, Virtual Event Admin users could manage users using the **Admin** > **Meetings** > **Event Administrator** > **Manage users** workflow, but they could not add users to Saba Meeting groups in Saba Meeting server.

This update introduces the **Webinar Leader** security role in Saba Cloud to address the Webinar workflow.

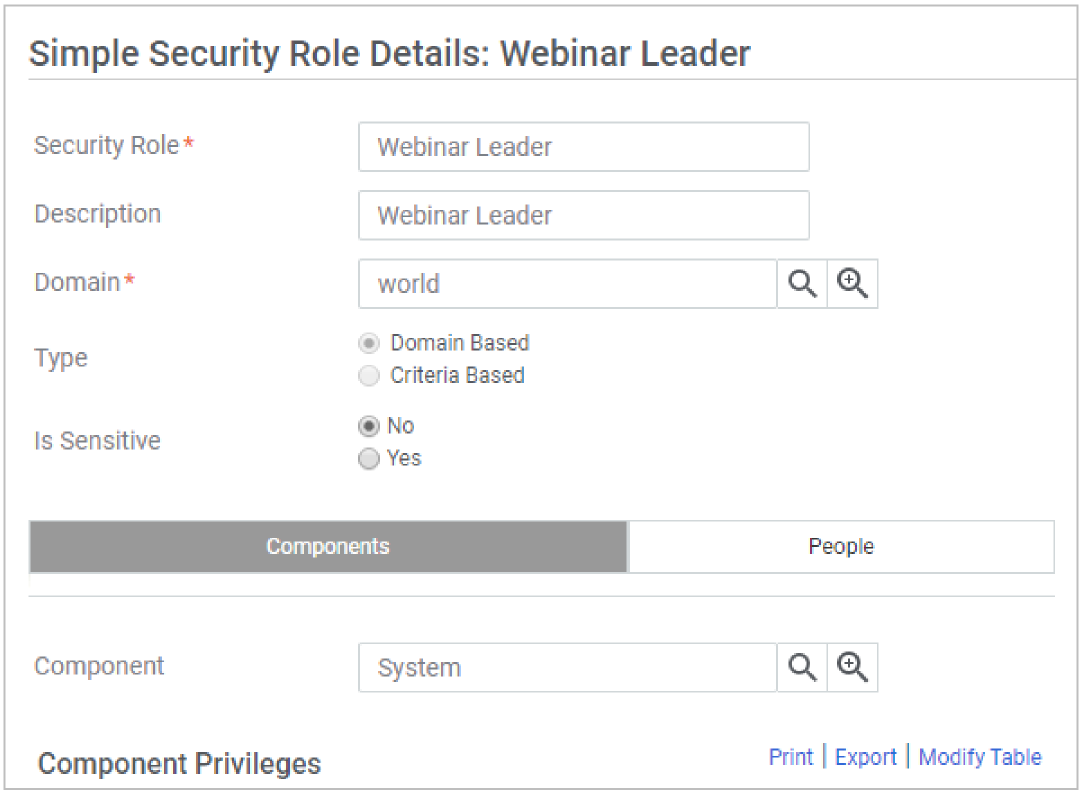


Figure 106: Webinar Leader role

When users are granted this security role and they are synchronized with Saba Meeting in an integrated environment, they are automatically added to the 'Webinar Presenter' group on the Saba Meeting server. Once such users are added to this group, they can then be selected as co-presenters while creating a Webinar event. This prevents the additional step of adding users manually to the 'Webinar Presenter' group on the Saba Meeting side.

For example, the user Clark Kent, who is granted the **Webinar Leader** security role in Saba Cloud, appears in the **Co-Presenters** dropdown list of the Webinar creation workflow once all users are synced with Saba Meeting.

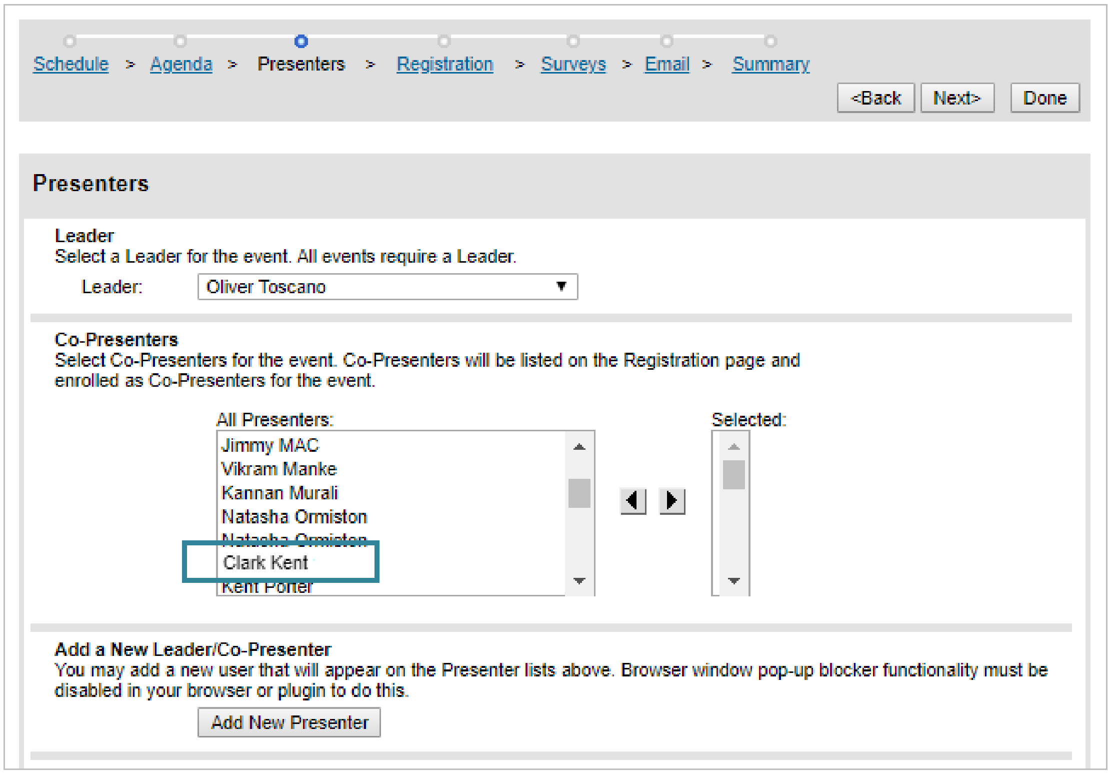


Figure 107: Select a Webinar co-presenter

The following new privilege is added on the **System** component:

- **Can Lead Webinar Events**

  Users with this privilege can lead Webinar events in Saba Cloud.

  By default, this privilege is granted to the following security roles only:

  - Webinar Leader
  - Super User

Note: Users with only **Webinar Leader** role do not have access to **Admin** > **Meetings** pages in Saba Cloud, though.

Ability to add an external instructor to a virtual class

Organizations have the need to add an external instructor to lead a virtual classroom event. Such user need not necessarily exist in Saba Cloud.

Prior to this update, Learning Administrators could only add a Saba Cloud internal user as an instructor resource to a virtual class where Saba Meeting is the VLE provider. They could not add external users, who do not exist in Saba Cloud, as instructors in the virtual class. External users could be added to a virtual class only via the **Admin** > **Meetings** workflow but this caused user synchronization issues for other instructors.

With this update, Learning Administrators now have the ability to add a user outside of Saba Cloud as an instructor resource to a virtual class where Saba Meeting is the VLE provider.

To enable this feature, System Administrators must configure the following new setting under **Virtual Classroom** service:

- **Enable External Co-Presenter**

  If this setting is enabled, then Learning Administrators can add a user outside of Saba Cloud as an instructor to a virtual classroom.

  By default, this setting is disabled.

  To configure this setting, navigate to **Admin** > **System** > **Configure System** > **Services** > **Learning** > **Catalog** > **Classes**.

Once this setting is enabled, Learning Administrators can see the new **External Co-Presenter** option under **Instructor Role** dropdown list while adding a 'Person' resource to a virtual classroom.

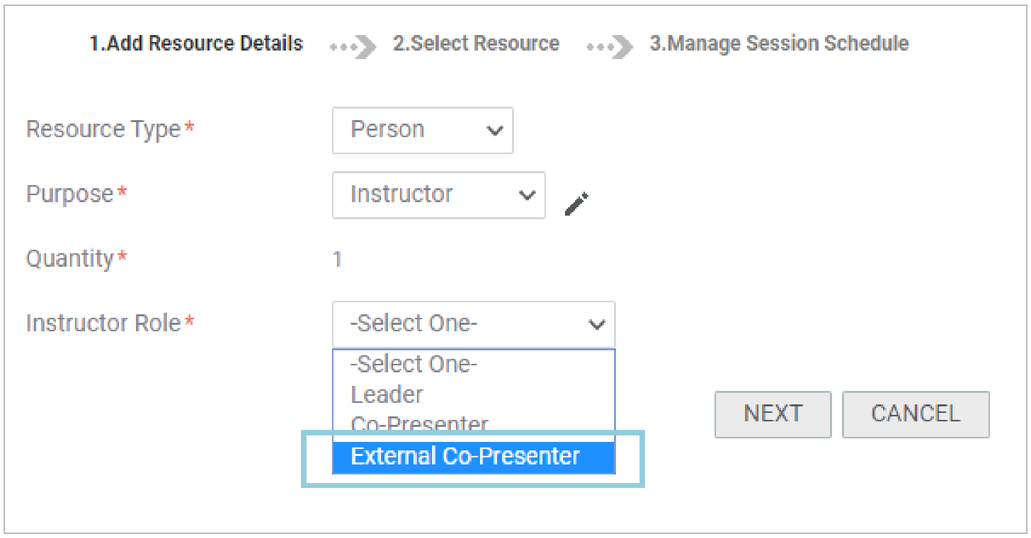


Figure 108: Select External Co-Presenter

They can further search for the required external user using a valid email address only. Saba Cloud allows adding multiple external users as co-presenters to a virtual class.

Notes:

- The search looks for any non-existing Saba Cloud users in the Saba Meeting server, and if the users do not exist, adds them to the list.
- If the searched user exists in Saba Cloud, then an error is generated. In such case, you must use the regular "Co-presenter" workflow to add a user as co-presenter.

Before saving, they can edit the first and last name of the users and even remove users.

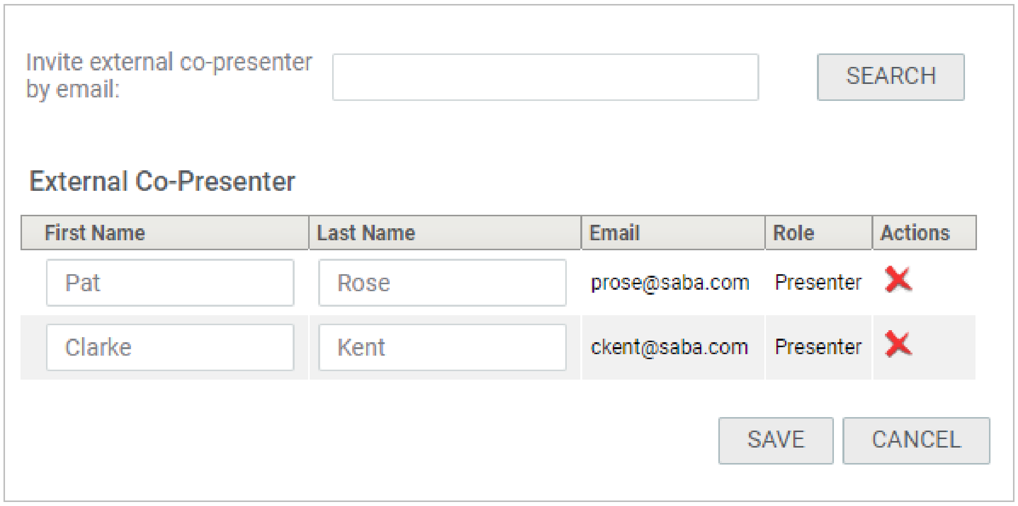


Figure 109: Add External Co-Presenter

Saving the details adds the users as co-presenters for all existing sessions of the virtual classroom. Saba Cloud automatically increases the limit in classroom event by the number of instructors added.

When a co-presenter is enrolled into the event, Saba Cloud triggers the existing "Saba Meeting Enrollment" notification to such users.

Note: The notification is available only if you have both **Learning** and **Meeting** services enabled for your site.

The **Resources** section of the **Activity** tab displays all such external co-presenters along with other resources in the class.

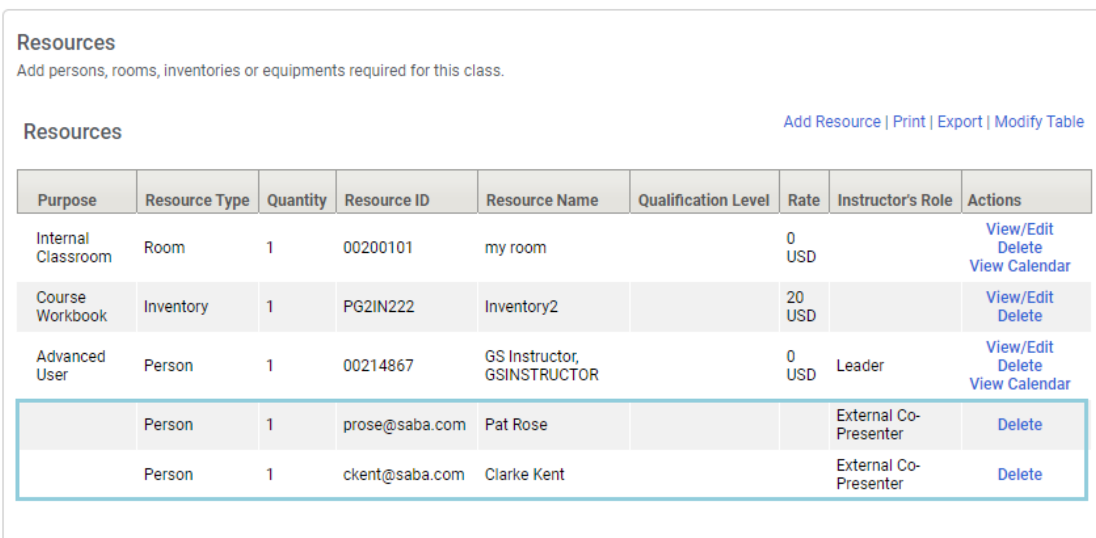


Figure 110: Resources section

Deleting an external co-presenter only un-enrolls the user from the enrolled sessions but does not delete the user from the corresponding Saba Meeting server.

Changes to maximum seat capacity

Prior to this update, the seat capacity for meeting and classroom events created via collaboration workflows in Saba Cloud was fixed to a maximum of 1000. For Saba Meeting integration users, this caused issues because there was no such restriction on the seat capacity in Saba Meeting client for those users.

With this update, the seat capacity of meeting and classroom events created in Saba Cloud for Saba Meeting integration users is now set to the default meeting capacity of the Saba Meeting user (usually "admin") used in Saba Meeting Configuration.

If the maximum seat capacity of the configured Saba Meeting user is lower than the meeting capacity of any Saba Cloud user creating the meeting, then Saba Cloud does not allow additional users to join the meeting.

Note: Saba Cloud support can configure the maximum seat capacity of Saba Meeting users. For more details, contact Saba support.

This change does not affect rooms and Virtual Classroom events in Saba Cloud.

Chapter 8

Performance

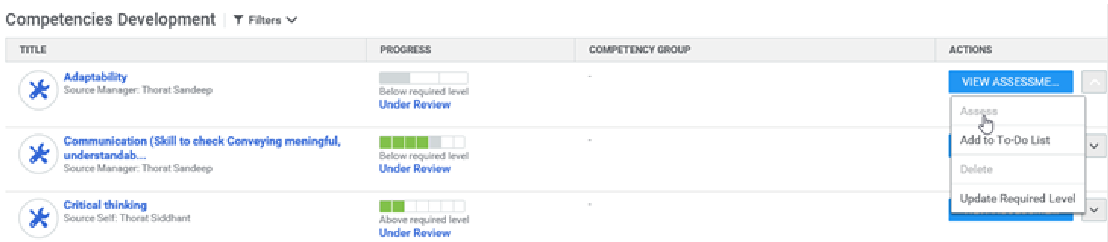
Topics:

- Ability to disable the Assess skill button
- Enhanced approval abilities on the My Team page
- Language Check is now available in the new UI
- Attach supporting items to a goal in the new UI
- Talent Review section now available in the new UI
- Ability to add tasks from the Check-in page
- Actual weighting now available in the new UI

This section includes the following topics that will guide you through the new features and improvements under Performance.

Ability to disable the Assess skill button

You now have a way to limit the ability for your managers and employees to assess skills for themselves or others. When a user does not have permission to assess a skill, the Assess option will be grayed out and an explanatory message will be displayed on hover.



For more information on how to disable the Assess button, see **Configuration** > **Configure People Data** > **Skills and Assessment** > **Configure assess skills privileges**.

Enhanced approval abilities on the My Team page

Managers now have the ability to bulk approve or reject goals, reviews, and skill self-assessments from their My Team page by selecting **Pending approvals**.

They must use the Activity type filter to select any combination of Goals, Reviews and Self-assessments, and then click **APPLY FILTERS**. They will be able to select items, and then click either **APPROVE SELECTED** or **REJECT SELECTED**.

Alternatively, they can click either **APPROVE ALL** or **REJECT ALL** to approve or reject all the items appearing on the screen.

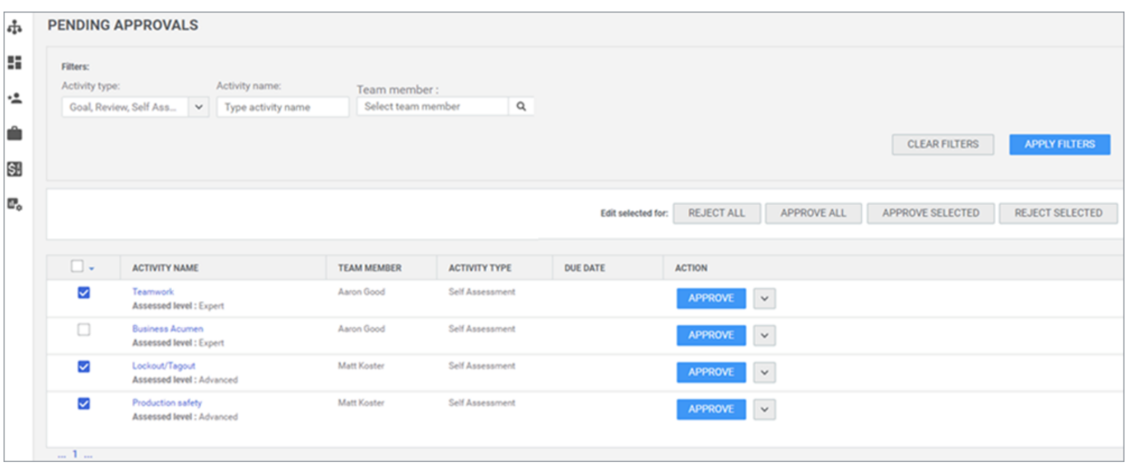
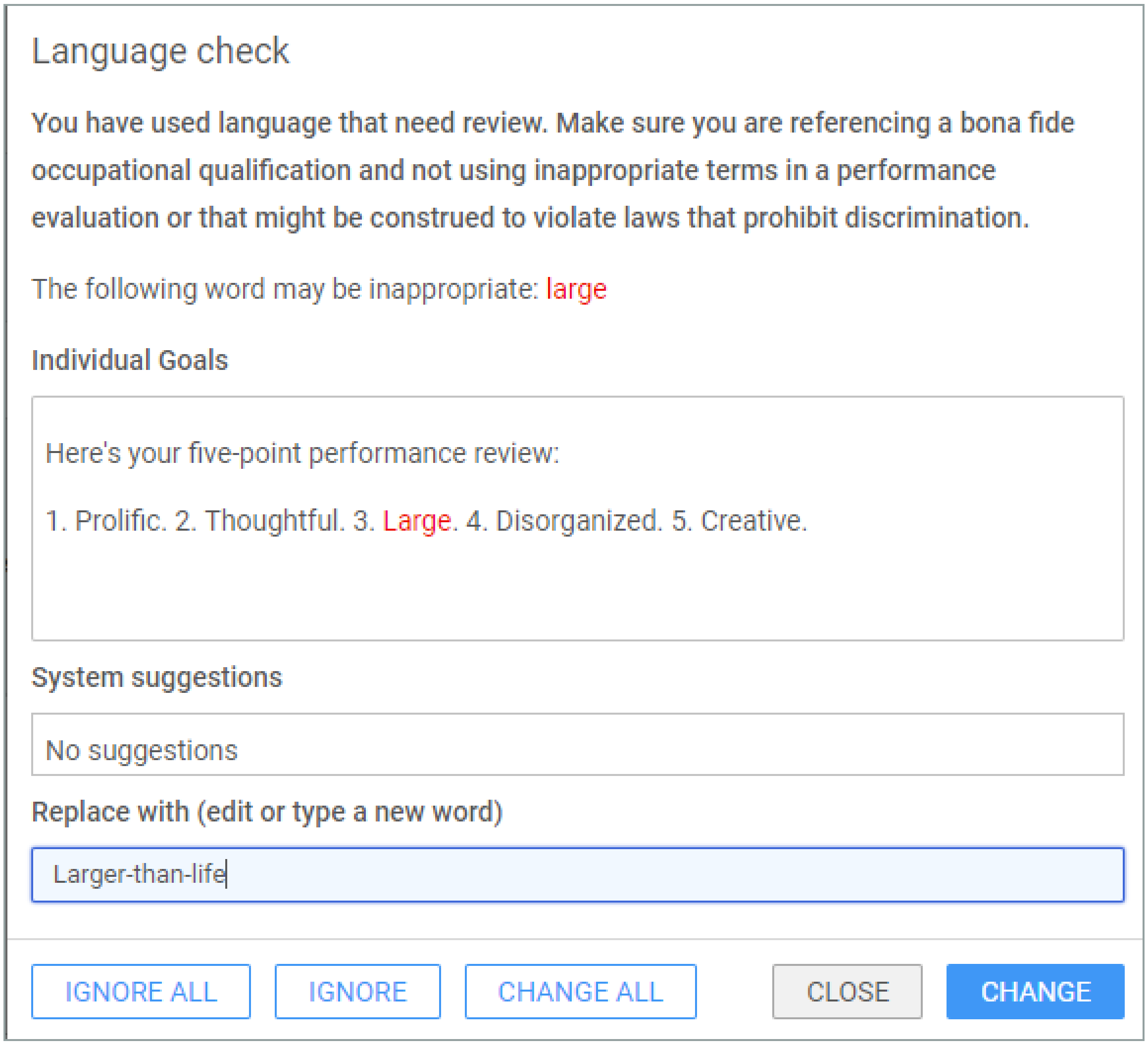


Figure 111: Bulk approvals or rejections

Language Check is now available in the new UI

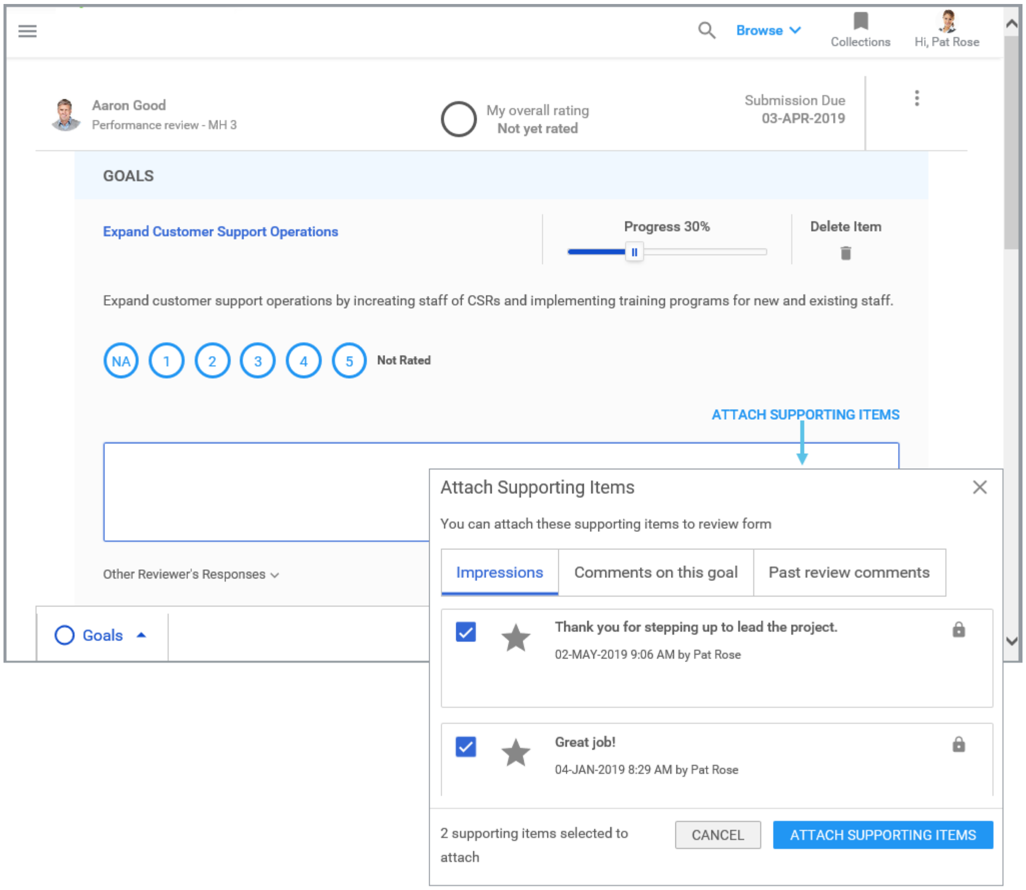
The Language Check feature now works in both the old UI and the new UI.



Attach supporting items to a goal in the new UI

You can attach impressions, goal progress comments, and past review comments to a goal as evidence or a justification for the review item rating.

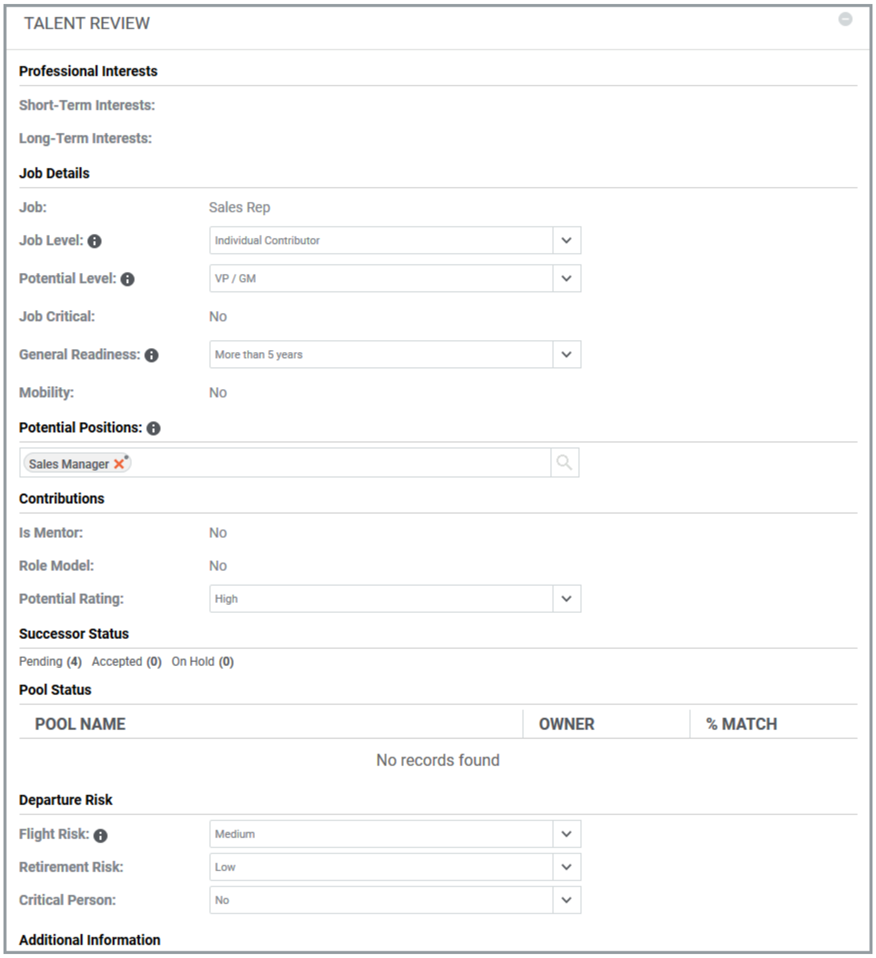
Note: Impressions and past review comments can also be attached to other items in a review, including skills.



Talent Review section now available in the new UI

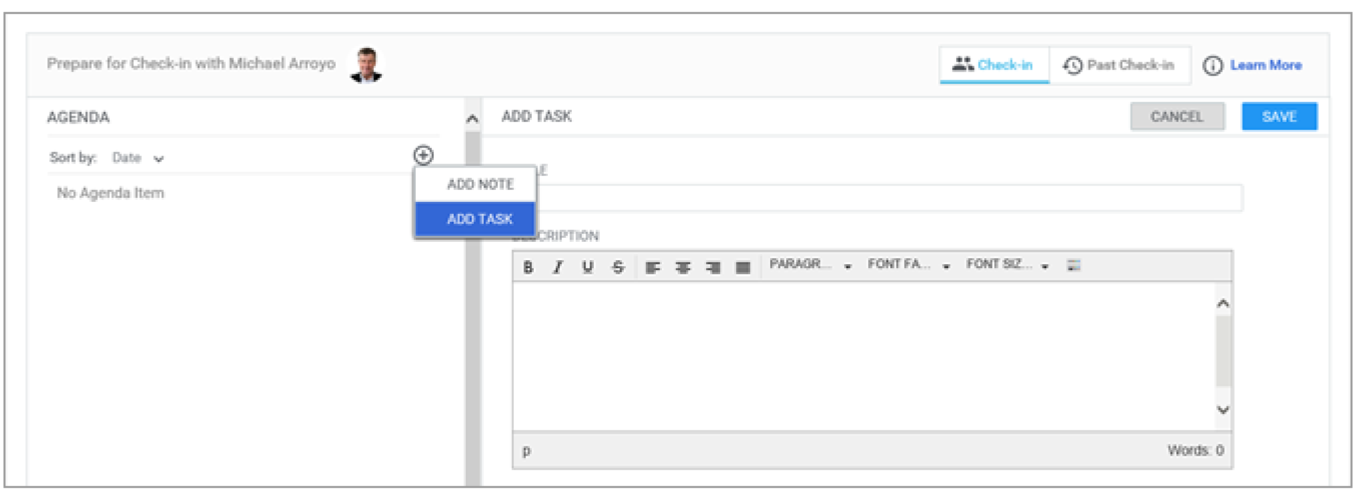
If you have the Succession module enabled, you can add a Talent Review section to a form.

Managers can view and update the employee's talent profile metrics, such as risk of leaving, bench strength, potential, and so on, during the performance review in both the old UI and the new UI.



Ability to add tasks from the Check-in page

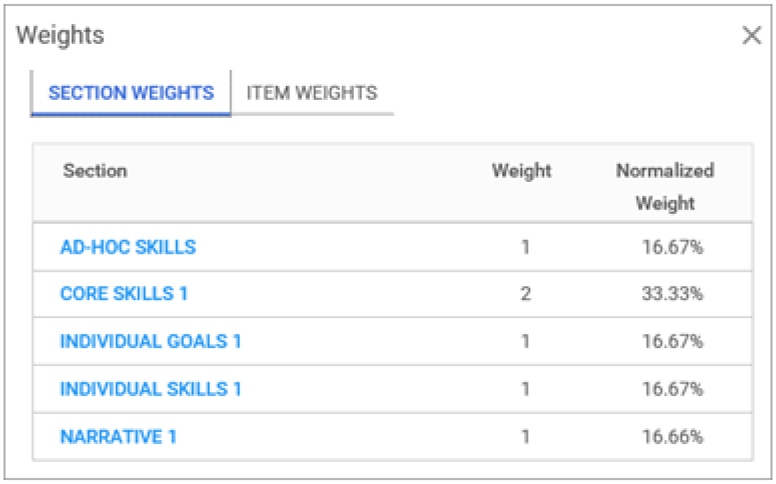
Managers and employees will now have the ability to add tasks from the Check-in page. The tasks will then appear on the workboard and in the check-in agenda.



Note: If the workboard category associated with the task is disabled after the task is added, the task will no longer appear in the agenda. Tasks captured in Past Check-ins will not be affected.

Actual weighting now available in the new UI

For review forms in the new UI that have weighting enabled, you will now be able to enter actual weights for sections and items, and the system will calculate the normalized weights for you.



Chapter 9

Pulse 360

Topics:

- Copy simple survey and preview action for all surveys
- New keyword for Pulse deeplink

This section includes the following topics that will guide you through the new features and improvements under Pulse 360.

Copy simple survey and preview action for all surveys

Prior to this update, the author of a simple survey could not copy it to create a new survey. Also, the **Preview** action was available only for **Draft** and **In progress** surveys and not all surveys.

As an author, you can now copy a simple survey irrespective of its status. The **Copy Survey** link appears in the **Actions** for all surveys and while creating a new survey.

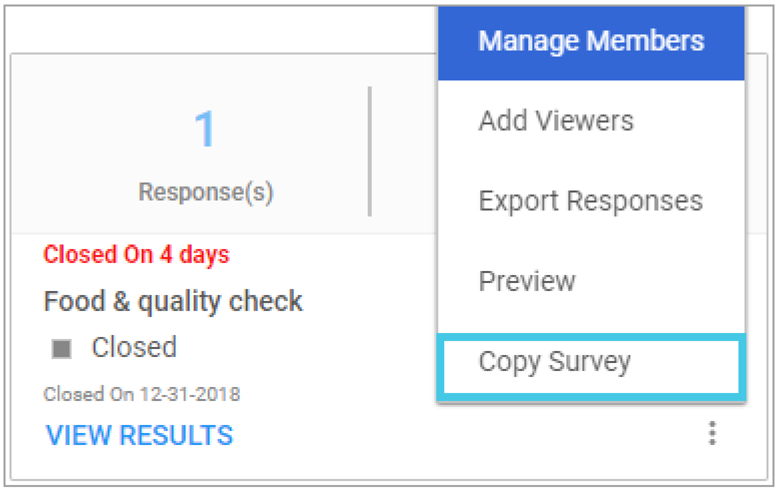


Figure 112: Copy an existing survey

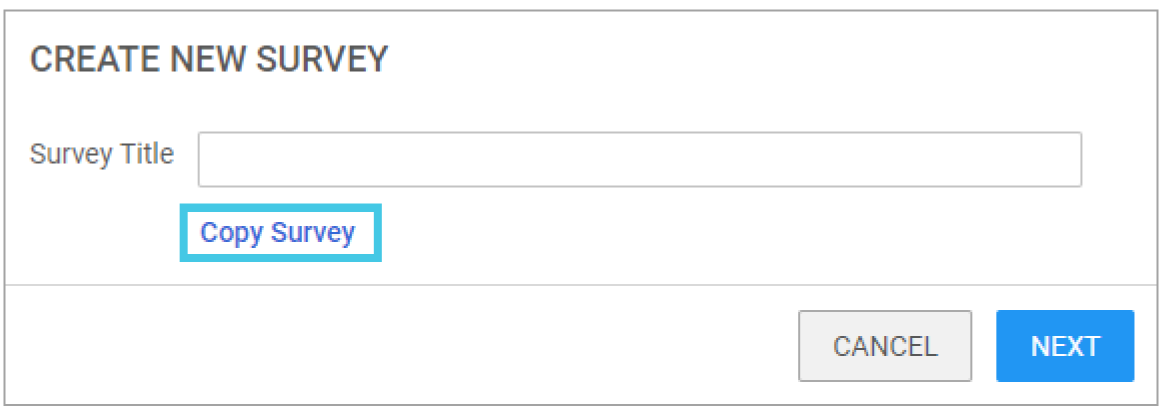


Figure 113: Copy survey during creation

If you are a viewer, you can copy a survey only if you have the **Simplified Survey Privileges** security role and a viewer role on a survey.

The copied surveys are also accessible to the Pulse Administrator in **Pulse 360** > **Survey Administration** > **Create Custom Survey** > **Simplified Surveys** folder.

In addition to the above, the **Preview** action is now available on all surveys for both, author and viewer. Even the administrator can preview surveys by navigating to **Pulse 360** > **Survey Administration** > **Create Custom Survey** > **Simplified Surveys** folder > **Actions**.

New keyword for Pulse deeplink

A new keyword **@Pulse_PulseHomepageDeeplink@** has been added. You will see it in the **Reminder to Pulse** notification of **Pulse Survey** service that navigates you to the Home page.

If you are on the Saba Cloud mobile app, then when you click the deeplink, it will directly launch in the app. If the app is not installed, then you will be prompted to download the app.

Chapter

10

Saba Video

Topics:

This section includes topics to guide you through new features and improvements under Saba Video.

Automatic transcript generation and indexing of Social Videos

The Saba Video platform has the ability to automatically generate transcripts of uploaded videos that can be helpful for search.

A new service called **Automatic transcription and indexing** has been introduced under **Saba Video** > **Social Videos** service. The transcript is mechanically created by converting the voice in the video to text. By default, this service is disabled. When this service is enabled, every time a new video is uploaded, Saba Cloud requests for the machine-generated transcript from the Saba Video platform. The transcript will not be generated for videos that are uploaded before enabling this service. Once the machine-generated transcript is ready and available, it will be saved in Saba Cloud. It will also be added to the Global Search Index against the uploaded video.

The transcript can be created for videos that are uploaded in:

- Activity Stream
- Announcements
- Blog
- Canvas
- Video Channels
- Workspace

As a System Administrator, you can also view the transcript by navigating to **System** > **Saba Videos** > **Manage Videos**, search for the **Social Video**, and then select the **Machine generated Transcript** action corresponding to the video. As a Social Administrator too you can view it by navigating to **Social** > **Manage Videos** and clicking the **Machine generated Transcript** action. You can also delete the transcript by clicking **Delete** on the **Machine Generated Transcript** popup. Once the transcript is deleted, you will not be able to retrieve it. You will have to upload the same video again and wait for the transcript to be generated.

Note: If a transcript generation fails due to some error, Saba will try to generate the transcript. If it repeatedly fails, it shows an error message. You may contact your System Administrator to know more about the error details.

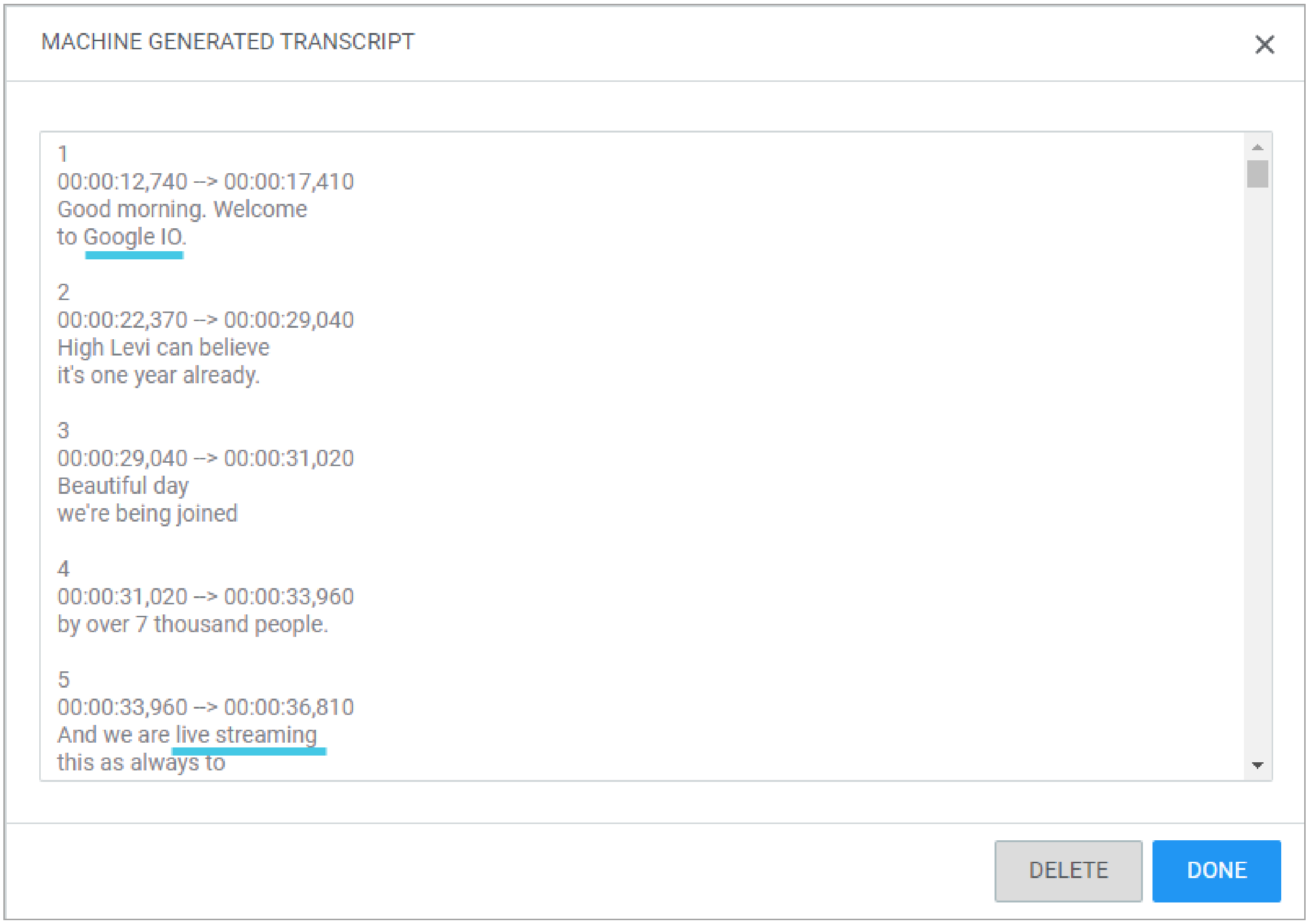


Figure 114: Machine Generated Transcript for Social Video

Currently, the transcription is available only in **English** and the transcript is 70% accurate.

When you search for Saba videos, if a video contains the search keywords in the transcript, it appears in the search results. The search results do not return videos that were uploaded in Announcements and Canvas. The matching search results also show the text *Search also looks inside the video* on the tile, indicating that the keywords are also searched inside the video.

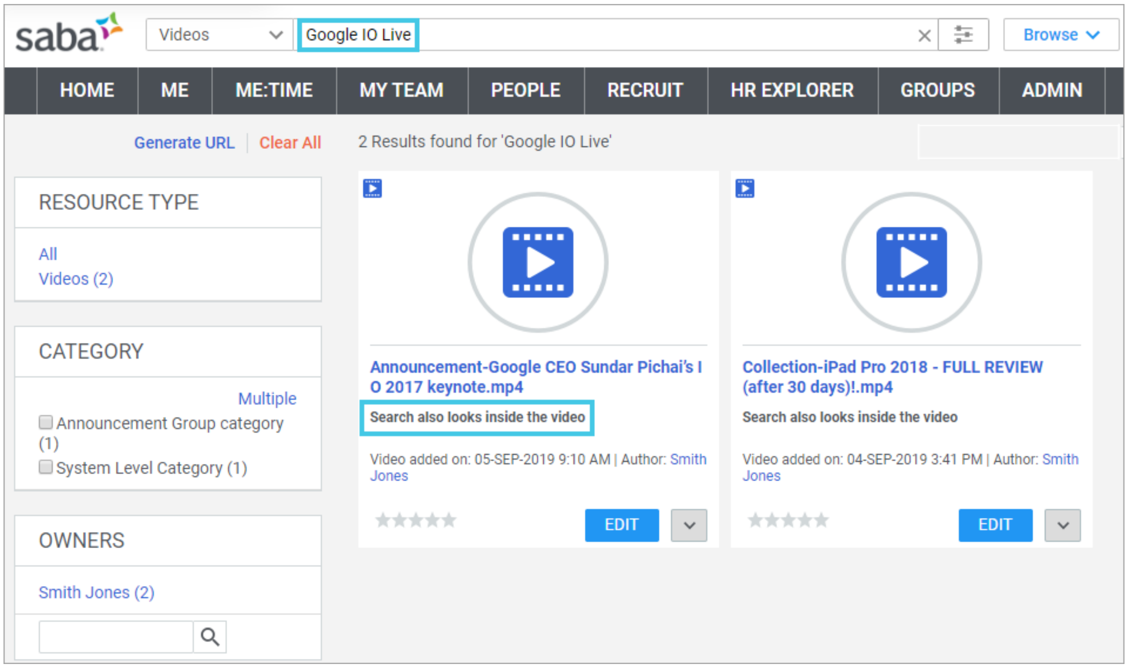


Figure 115: Machine Generated Transcript for Social Video

This feature can be very useful for employees when they search for minute information that could not be captured in the video description or other metadata. For example, a Java course may not have basic stuff like Iterator and ArrayLists in the description but is will be available in the video that will get captured through the transcript.

Chapter 11

System

Topics:

This section includes the following topics that will guide you through the new features and improvements under System.

Data Integration

Additional objects to support SKIP Omitted columns

Previously, Bulk Content Import supported SKIP values only for some fields. This is now expanded to support all applicable fields.

Additionally, the following data import objects now support SKIP omitted columns wherever SKIP option is supported.

- Student Certification
- VC Offering
- Student Curriculum
- Registrations
- Bulk Content Import
- Sign up Rule

Enhancements made to the Incumbent data import

Earlier in Incumbents import, Person number was not supported as a unique ID.

In this update, USERNAME and PERSON_NO can be the unique ID for Incumbents import. UNIQUE_ID configuration will show both options, with USERNAME as the default option.

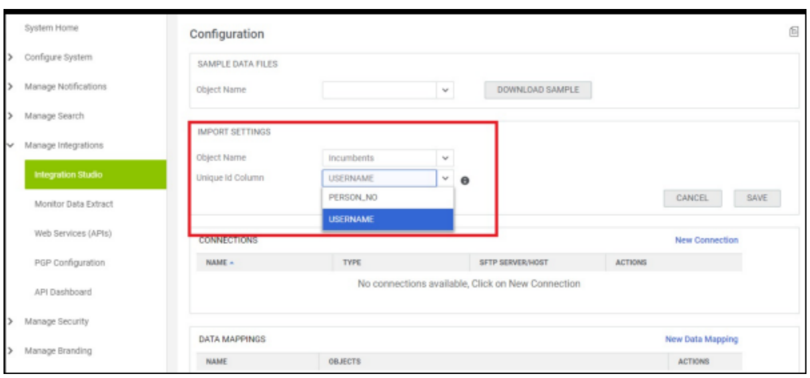


Figure 116: Unique ID for Incumbents import

Also, this import now supports deletion of incumbents. You can use the REMOVE_INCUMBENT1 column to remove 1 specific position from a person, and DELETE_ALL POSITIONS column to remove all positions assigned to a person.

Data import to allow Disable and Replace in bulk

Courses and classes provide a way to disable old content and replace it with new content. This is useful especially when you need to change the content format (from say AICC to URL). Since Saba does not allow updating the content format, you can use Disable and Replace to Replace content in old format with that in new format. This prevents duplication of courses, transcripts and registrations. However, this feature was only available through the application UI and for a single content only(one content at a time).

In this update, a new data import called Disable and Replace Content has been added. This allows disabling and replacing old content with new content in bulk. When an old content is replaced with a new content, the old content gets disabled in all associated courses and offerings, and gets replaced with new content.

. All offerings with attached content can be replaced. If content is already disabled, then the next run of import will not consider it for processing.

A new data import object named **Disable and Replace Content** has been added.

Navigate to **Admin** > **System** > **Mange Integrations** > **New UI Import**.

Select **Disable and Replace Content** from the **Object Name** drop-down list.

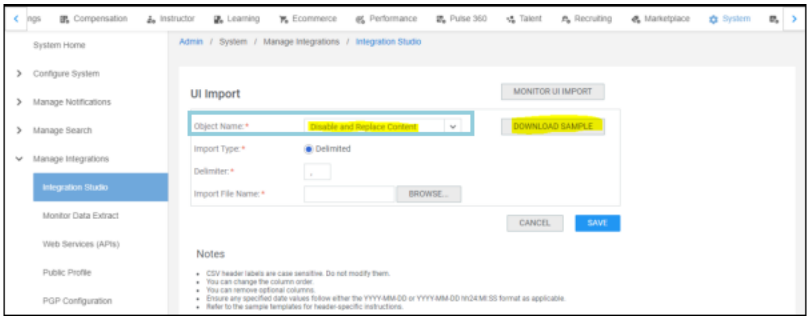
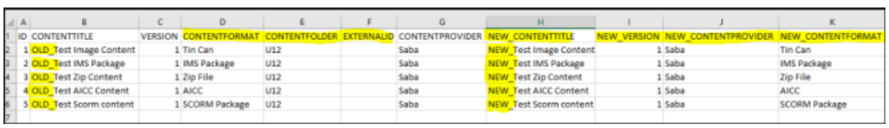


Figure 117: Disable and replace content data import

Import the CSV file which contains old and new content details.



ID	CONTENTTITLE	VERSION	CONTENTFORMAT	CONTENTFOLDER	EXTERNALID	CONTENTPROVIDER	NEW_CONTENTTITLE	NEW_VERSION	NEW_CONTENTPROVIDER	NEW_CONTENTFORMAT
1	OLD_Test Image Content	1	Tin Can	U12		Saba	NEW_Test Image Content	1	Saba	Tin Can
2	OLD_Test IMS Package	1	IMS Package	U12		Saba	NEW_Test IMS Package	1	Saba	IMS Package
3	OLD_Test Zip Content	1	Zip File	U12		Saba	NEW_Test Zip Content	1	Saba	Zip File
4	OLD_Test AICC Content	1	AICC	U12		Saba	NEW_Test AICC Content	1	Saba	AICC
5	OLD_Test Scorm content	1	SCORM Package	U12		Saba	NEW_Test Scorm content	1	Saba	SCORM Package

Figure 118: Disable and replace content data import

The old content attached to the class will be disabled and replaced with the new content.

Note: This import will not create new content. You need to first create new content and then use this import to do a mass disable and replace.

Note: This import will also execute **Save and Publish** on each corresponding offering or course. The option chosen during Save and Publish will be **New Registrations Only**.

Enhancements made to data import audit record

In the past, when the data import was run, the Author column in the audit trail did not indicate the name of the person who ran the import. Audit record showed only the MIGRATION_ADMIN.

Now, in addition to showing the MIGRATION_ADMIN, the audit record displays the source of the import, Import Job Name and the Initiator name under the Reason column. The Initiated by **user name** would be displayed only if it's triggered manually by the user; in case of a Scheduled import, the Initiator would be ADMIN.

Currently, this enhancement supports internal person and external person data import only.

Audit Trail

Print | Export | Modify Table

Action	Timestamp	Previous Value	New Value	Author	Reason
A person is assigned a security role	08/19/2019 1:13:06 PM	-	DomainC , Internal Manager Basic Privileges	Migratio Admin	Silent audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
Update : Manager Access	08/19/2019 1:13:06 PM	false	true	Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:05 PM	world , Learning Admin - Instructor		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:05 PM	world , Human Capital Admin		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:05 PM	DomainC , Internal Manager Privileges		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:05 PM	DomainC , Internal Person Login Privileges		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:03 PM	DomainH , Internal Person Basic Privileges		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:03 PM	world , Report Privileges in world domain		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A security role is removed from a person	08/19/2019 1:13:02 PM	world , Common Privileges in world domain		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
Update : Manager Access	08/19/2019 1:13:02 PM	true	FALSE	Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
Update : Terminated On	08/19/2019 1:13:02 PM	null	15-AUG-2019	Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by ADMIN)]
A person is assigned a security role	08/19/2019 1:10:30 PM	-	DomainC , Internal Manager Basic Privileges	Migration Admin	Silent audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]
Update : Manager Access	08/19/2019 1:10:30 PM	false	true	Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]
A person is assigned a security role	08/19/2019 1:10:29 PM	-	domainC , Internal Person Login Privileges	Migration Admin	Silent audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]
A security role is removed from a person	08/19/2019 1:10:29 PM	DomainA , Internal Person Login Privileges		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]
A person is assigned a security role	08/19/2019 1:10:29 PM	-	domainH , Internal Person Basic Privileges	Migration Admin	Silent audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]
A security role is removed from a person	08/19/2019 1:10:29 PM	DomainB , Internal Person Basic Privileges		Migration Admin	Silent Audit [Import Source - IMPORT JOB : HRIS Nightly Feed : (Initiated by DIUSER)]

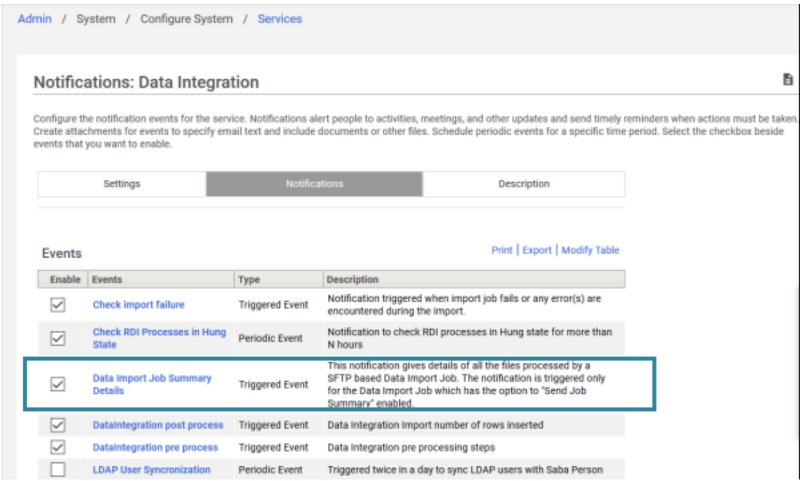
Ability to get notifications when import jobs are completed

In the past, admins and users had to access **Saba Cloud** > **Integration Studio** on a periodic basis to ensure their import jobs were running successfully. There was no mechanism to inform them when the jobs were successfully completed or failed due to certain conditions.

Now, a Triggered Notification named **Data Import Job Summary Details** has been added to send a summary of all files processes as part of SFTP based import job.

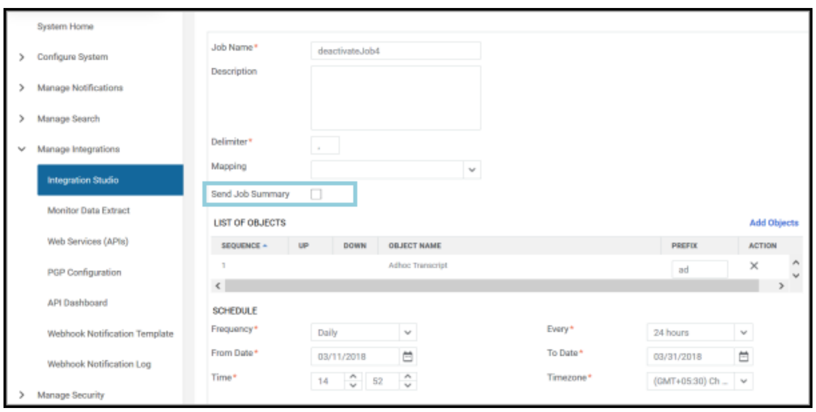
Admin > **System** > **Configuration** > **Services** > search for **Data Integration**

Click on **Notifications**



If this notification is enabled and if **Send Job Summary** check box is marked at the job level, the user will receive an email alert for that job.

Admin > **System** > **Manage Integration** >**Integration studio** > **New Job**



You can also use the Edit option to view and select the Send Job Summary for an existing job.

Notification recipients can be selected Adhoc or from search queries.

Enhancement to Bulk content import

In this update. a new unique identifier and combination has been added to the bulk content import.

The unique identifier is set to External ID + Vendor. This will allow importing of contents from multiple Content vendors. If the imported object has same external ID, the system will not throw an exception as it was the case in the past.

Example:

- **LinkedIn** > **Content1** > **ExternalID_123**
- **Lynda** > **Content2** > **ExternalID_123**

People

Additional clean-up options added to post-termination event

Additional Post Termination clean-up options are now available.

You can configure and remove Jobs and Adhoc Roles from an internal or external person user profile when a person is terminated. When a role is removed, Certification and other learning associated to these roles will also be automatically removed.

To configure the setting for removal of job and roles from Internal and External person profile, navigate to:

Admin > **System** > **Configure System** > **Services** > **User Profiles**

When an internal person is terminated, if the **Remove job when internal user gets terminated** check box is enabled, the associated job will be automatically removed from the user profile. Similarly, when an external person is terminated, enabling the corresponding check box will remove the associated job. Also, the required and optional roles associated with the job, will be removed.

Additionally, the following business rules are added to the User Profile section to remove the required roles associated with the terminated user profile:

- Terminated External Users - Remove ad hoc required roles (to remove the required roles from terminated external users)
- Terminated External Users - Remove ad hoc optional roles (to remove the optional roles from terminated external users)
- Terminated Internal Users - Remove ad hoc required roles (to remove the required roles from terminated internal users)
- Terminated Internal Users - Remove ad hoc optional roles (to remove the optional roles from terminated internal users)

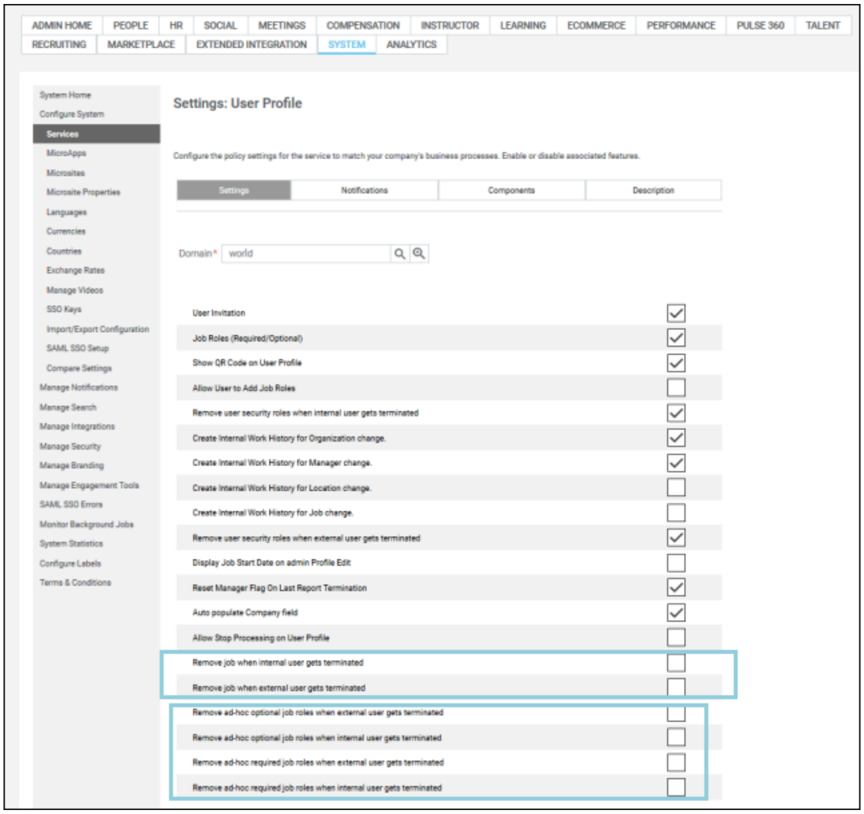


Figure 119: Terminated user - remove roles -business rules

Support for additional parameters in Smart List criteria builders

Previously, the criteria builder used in Smart Lists, Prescriptive Rule, Audience Type and other places did not allow search by Terminated On and Job Start dates.

Smart List criteria builders now support Terminated_On and Job Started On parameters.

To access the Smart List page::

Admin > **People Admin** > **Manage Smart Lists**

The **Terminated_on** option is available under the Profile group.

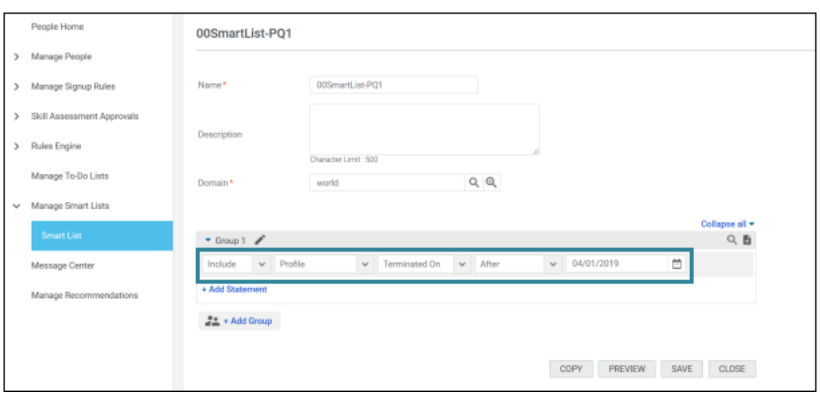


Figure 120: Smartlist with Terminated_On option

The **Job Start date** is included as a sub condition of Current Job type.

Note: Criteria builders do not return terminated users. Hence, when using Terminated_On field as a parameter, provide future dates only.

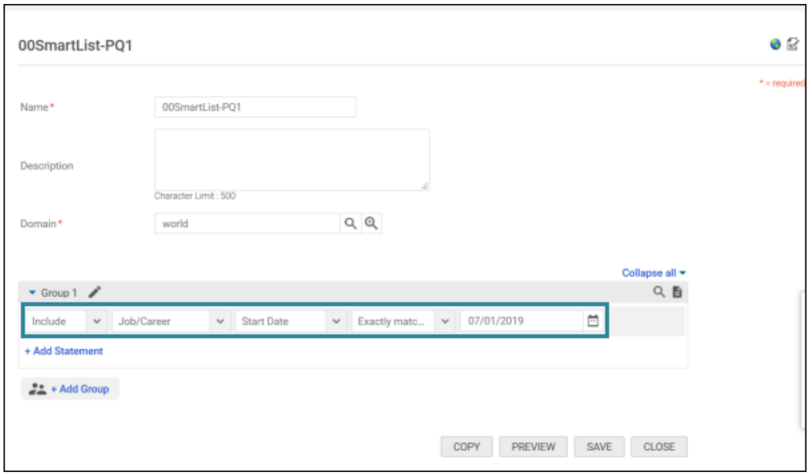


Figure 121: Smart List with Job Start date option

Enhancements made to criteria builder to support multiple smartlists

In the past, there was no support for using multiple criteria in criteria builder under Prescriptive rules. This resulted in duplicate criteria entries in smartlists.

In the current release, Smartlists can be created and used in the criteria builder when creating a PR. However, the queries cannot exceed more than 100K users.

Saba does not recommend using more than one level of nesting.

To create a Smartlist, navigate to:

Admin > **People Admin** > **Manage Smart List** > **Create a New Smart List**

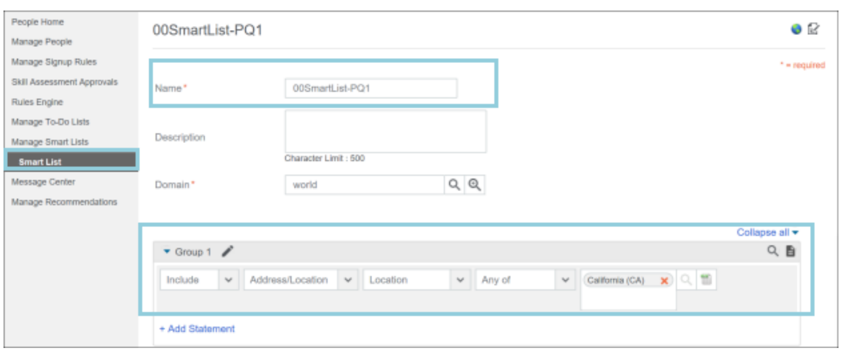


Figure 122: Create a Smart List

Using a Smart List in Criteria builder

You can use the smart List you created as a criteria attribute in a Prescriptive Rule. The changes you make to the Smart List criteria will be reflected in the Prescriptive Rule as well.

Example in using the Smart List in PR criteria builder:

Admin > **People Home** > **Manage Rules** > **New Prescriptive Rule**

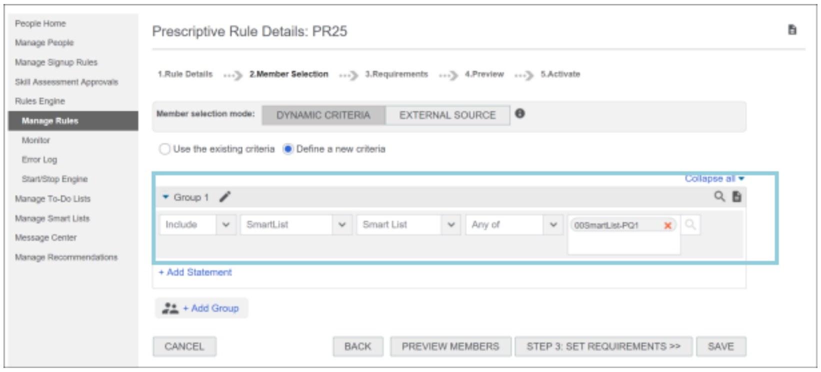


Figure 123: Smart List used as a Criteria attribute

Note: If a Smart List that is referenced within a criteria is deleted, data returned from those criteria will be blank or incorrect.

Roles reconciliation enhancements

When roles are assigned as required to users, corresponding Learning will get associated to learners. Similarly, when required roles are removed, required learning should also be removed.

When a role is assigned to a user by an HR admin, the corresponding requirements are also assigned to the user. If, for some reason, the user gets the requirements assigned but the associated roles are missing, you can add the roles to all users who are missing the roles.

To view and assign missing roles to the user, navigate to:

System > **Admin** > **HR Admin** > **Manage Jobs** > **Roles**

Click on **Users Missing Roles**.

This opens a pop-up screen showing a list of all users who are missing the assigned roles but have the requirements assigned:

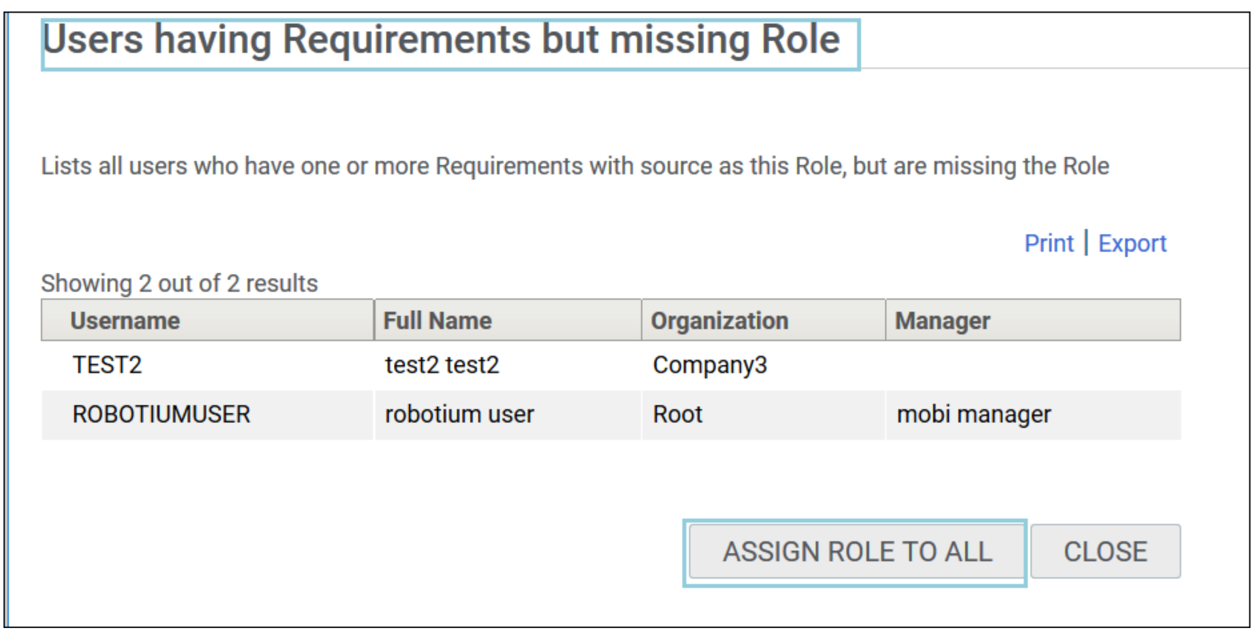


Figure 124: Users with assigned requirements but missing the Roles

Click on **Assign Roles to All**. This will start the process to assign the roles to the listed users.

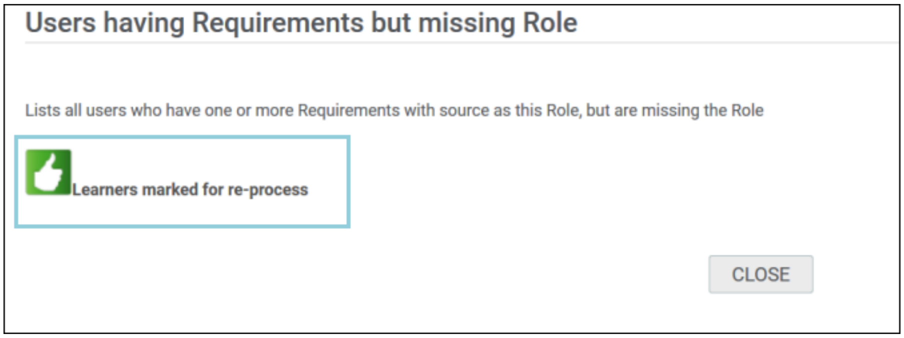


Figure 125: Users marked for reprocessing

In the **Input Reason** screen for Auditing, enter the reason for the action and click on **Save**.

Note: The **Display Users Missing Role button on Job Role** property has to be set to **True** at the System configuration level, for the **Assign Role to All** button to display. By default it is set to **False**.

Admin > **System** > **Configure Systems** > **Site Properties** > **Web Variables** > **Display Users Missing Role button on Job Role**.

Addition to person transfer properties page

During the Person Transfer step, the Person No field is copied from the original record. If this number conflicted with another person's person no, the transfer operation failed.

Now, if a conflict arises with the person no field during the person transfer mode, a new person_no will be generated by the system, if the **Change person no on conflict** property in the person transfer properties page is enabled. By default, this property is disabled (set to false).

1. If the property is set to **false**, the system gives an error and the transfer option will be stopped.
2. If the property is set to **true**, the steps will proceed and a new person number will be generated.

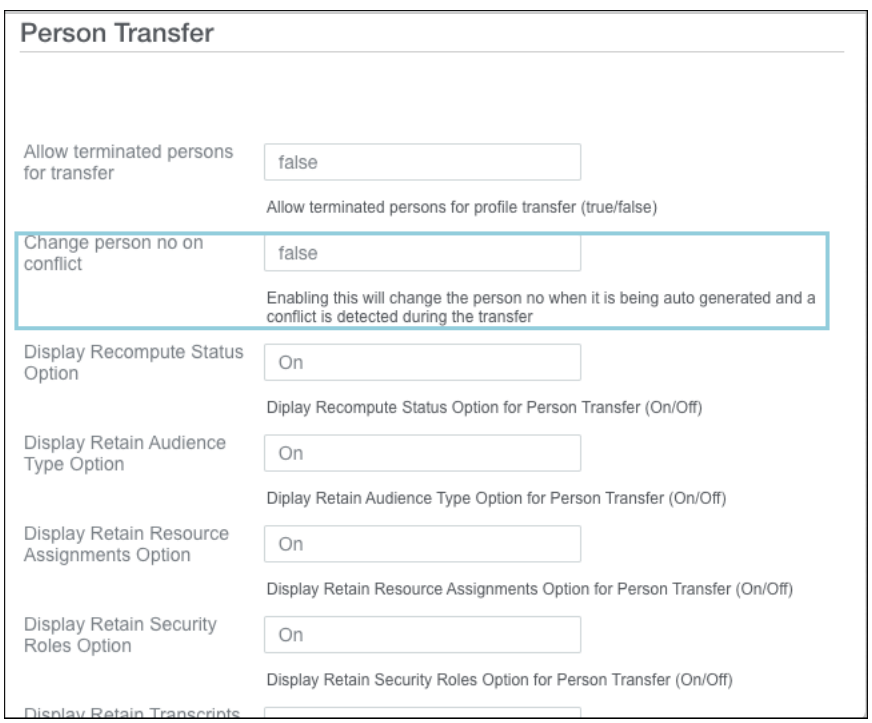


Figure 126: Generate new Person no on conflict

Position history added to Profile section

A new section to show the Position History has been added to the Person Profile section. This section will be viewable from **Me** > **Profile** section and on the Person Profile section (**Admin** > **People** > **Internal Person** > **Full Profile**).

This section will not be editable by the **People Admin** on the Profile section or by the User from the **Me** > **Profile** section.

The following information will be shown on the Profile History sections:

- Position Title
- Start Date of the Position
- End Date of the Position (if applicable)
- Organization in which the Position exists

Figure 127: Position History

Position History

Position History

ID	Title	Assigned On	Revoked On	Organization
GO3	Director Sales	26-JUL-2019	26-JUL-2019	GO Sales
GO_2	GO test position 2	10-JUL-2019	24-JUL-2019	Saba

Normally, the position section does not get updated; but in case it is updated, the Position History section will show the latest details of the position.

Global Search

Configure default sort order of global search results

The global search in Saba Cloud is heavily used by users across an organization. Administrators need to have more flexibility and control on the way the search results are displayed to users.

Prior to this update, the global search results were sorted in the order of "Relevance" by default. Although users could change the sort order after searching, there was no way for administrators to change the default sort order to an option other than "Relevance".

With this update, Saba Cloud allows System Administrators to configure the default sort order option for global search results by introducing the following new site property:

- **Default sort order of search results**

  Set the default order in which global search results are sorted. You can select a value from the following options:

- Relevance
- A-Z
- Z-A

The default value is "Relevance".

System administrators can configure the new site property by navigating to **Admin** > **System** > **Configure System** > **Microsites** > **<sabasite>** > **Site Properties** and clicking **Global Search**.

The default sorting option is applicable to the following workflows:

- Global search
- Global search from guest catalog
- Category-based search via Browse catalog
- Filtered results after facets are applied on the learning catalog page

Note: The default sort order is retained even when a filter is applied to the search results.

Enhancements to the global search option

In the past, for editing an object, administrators had to navigate the menus, do a search for the object, and then open the edit page. With the new Admin search context introduced in global search, administrators can open the edit pages of objects directly from global search results.

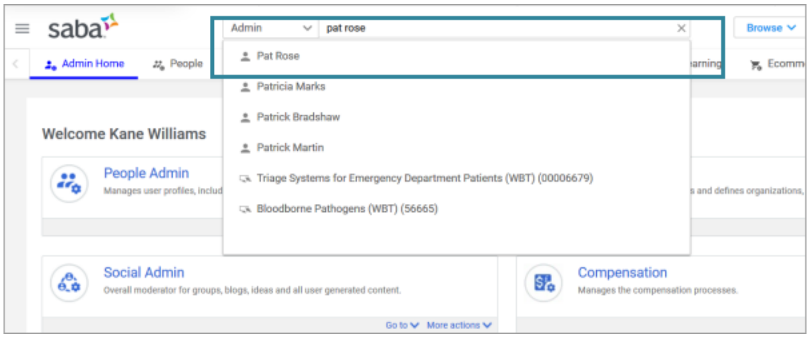
They can search and edit the following objects using the Global Search mode. From the Admin search context of global search, they can now edit the following objects. Admins can further narrow the search by using the keywords listed below. Also, the following tokens can be used as prefix to the search term to confine the search to specific objects.

Object	Search Attributes	Display Attributes	Prefix
Person (both internal and external)	Full Name or Username	Full Name, Username	Person, User
Job Type	Name, Job code	Name, Job code	Job Type
Job Role	Name	Name	Role
Organizations (both intern~al and external)	Name or Number	Name, Number	Org
Course	Course ID, Name	Name, Course ID, Version	Course
Class	Class ID, Name	Name, Class ID, Class Type (one of ILT,WBT, Blended, Virtual)	Class

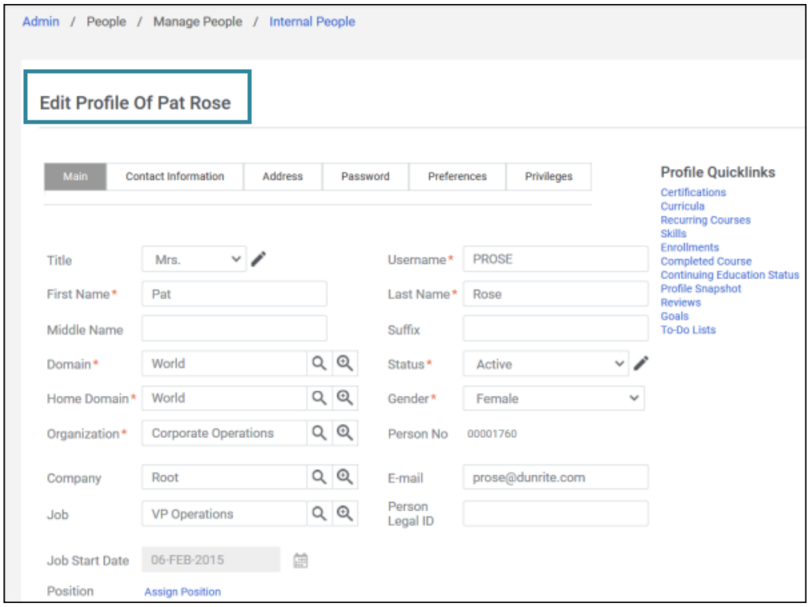
From the **Global Search bar** > Select **Admin** > Search

Enter the search term.

For example: To search for Pat Rose and edit the profile:



Clicking on the results will directly take you to the Edit Profile page for Pat Rose.



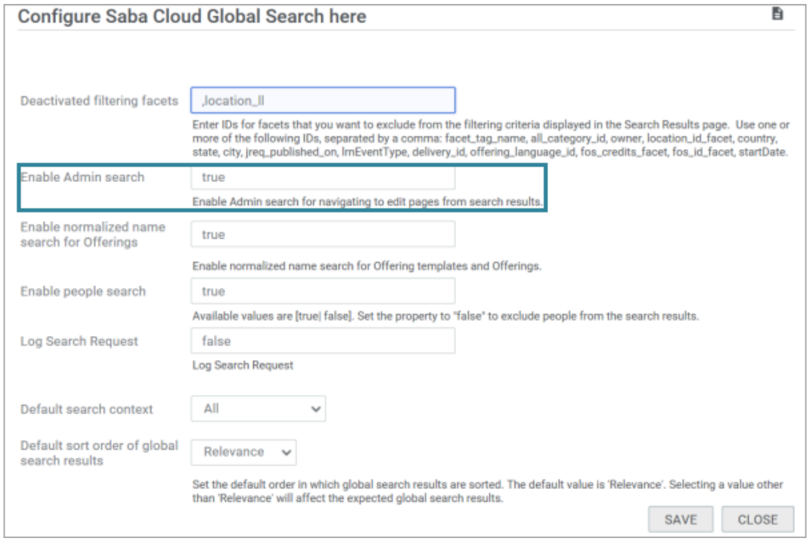
You can do similar searches for the other objects listed above and edit the related objects.

Note: The Admin search context is only available to Administrators with Edit privileges on the above objects. When an administrator navigates to the Administration area, the Admin search context will be pre-selected in the global search. For administrators, it will be available even when they are not in the Administration area of the application.

The Admin search functionality should be enabled at the configuration level for the feature to appear on the global search page.

System administrators can enable or disable the Admin Search functionality using the **Enable Admin Search** property in global search properties.

Admin > **System** > **Configure System** > **Properties** > **Global Search**



Note: Admin cannot search terminated users, special users and discontinued classes.

REST API

New REST APIs

Set business rules for courses, delivery modes and offerings

Before this update, REST APIs for Learning objects such as courses and offerings did not allow getting or setting business rules.

The following REST APIs are now available for retrieving and updating business rules for courses, delivery modes and offerings. These APIs now allows defining the approval process via REST APIs due to which lot of manual effort involved in updating the approval process for each class can be prevented.

GET ALL DETAILS OF POLICIES ON COURSE, DELIVERY MODE OR OFFERING

Overview

Returns all details of policies on course, delivery mode or offering.

Note: This API fetches effective policy values for the owner. The **appliedFrom** attribute indicates the hierarchy policy from which the values are inherited.

Requires OAuth

No

Method

GET

URL

https://*<hostname-api.sabacloud.com>*/v1/catalog/policy/{ownerId}

URL (User-friendly)

You can use a user-friendly URL which accepts a valid Course No / Class No / Delivery Mode No and type (**course**, **deliverymode** or the delivery type name such as Web-Based / Virtual%20Classroom / Blended) instead of the internal ID.

https://*<hostname-api.sabacloud.com>*/v1/catalog/policy/:uniqueNo?type=:type

Calling Options

Table 16: Calling Options

Name	Description	Sample Value	Data Type	Required?
ownerId	Any valid Course, Class or Delivery Mode ID		string	No

Return Values


```
{
   "policyInfo": [
      {
         "approvalChain": {
            "nodes": [
               {
                  "subNodes": [
                     {
                        "approvalType": "manager"
                     }
                  ],
                  "key": "1_3"
               },
               {
                  "subNodes": [
                     {
                        "approvalType": "alternateManager"
                     }
                  ],
                  "key": "1_4"
               }
            ],
            "links": [
               {
                  "from": "START",
                  "to": "1_3"
               },
               {
                  "from": "START",
                  "to": "1_4"
               },
               {
                  "from": "1_3",
                  "to": "END"
               },
               {
                  "from": "1_4",
```

```
                    "to": "END"
                }
            ]
        },
        "policyValue": "approvalRequired",
        "appliedFrom": "offering",
        "policyName": "approvalPolicy"
    },
    {
        "learnerCanMarkComplete": false,
        "showBestAttemptScorePolicy": true,
        "policyValue": "doNotOverrideSetting",
        "daysAfterOrder": 12,
        "appliedFrom": "domain",
        "policyName": "overrideCompletionPolicy",
        "isAutoComplete": true,
        "managerCanMarkComplete": true,
        "offeringCompletionRule": "autoCompleteWhenAllActivitiesCompleted",
        "completionStatus": "unsuccessful",
        "onlyScoreDefineCompletion": false,
        "minimumAttendanceInPercentage": 98
    }
  ]
}
```


GET DETAILS OF (SPECIFIC) POLICIES ON COURSE, DELIVERY MODE OR OFFERING

Overview

Returns details of specific policies on course, delivery mode or offering.

Requires OAuth

No

Method

GET

URL

https://*<hostname-api.sabacloud.com>*/v1/catalog/policy/{ownerId}?policyName={policyNames}

Calling Options

Table 17: Calling Options

Name	Description	Sample Value	Data Type	Required?
ownerId	Any valid Course, Class or Delivery Mode ID		string	No

Name	Description	Sample Value	Data Type	Required?
policyNames	Value needs to be a comma separated list of valid policies for that owner. Policy names can be overrideCompletionPolicy, approvalPolicy, recurringRegistrationPolicy, certificationOfCompletion.		string	No

Return Values


```
{
    "policyInfo": [
       {
           "learnerCanMarkComplete": false,
           "showBestAttemptScorePolicy": true,
           "policyValue": "doNotOverrideSetting",
           "daysAfterOrder": 12,
           "appliedFrom": "domain",
           "policyName": "overrideCompletionPolicy",
           "isAutoComplete": true,
           "managerCanMarkComplete": true,
           "offeringCompletionRule": "autoCompleteWhenAllActivitiesCompleted",
           "completionStatus": "unsuccessful",
           "onlyScoreDefineCompletion": false,
           "minimumAttendanceInPercentage": 98
       }
    ]
}
```


UPDATE DETAILS OF POLICIES ON COURSE, DELIVERY MODE OR OFFERING

Overview

Allows updating details of policies on course, delivery mode or offering.

Requires OAuth

No

Method

PUT

URL

https://<*hostname-api.sabacloud.com*>/v1/catalog/policy/{ownerId}

URL (User-friendly)

You can use a user-friendly URL which accepts a valid Course No / Class No / Delivery Mode No and type (**course**, **deliverymode** or the delivery type name such as Web-Based / Virtual%20Classroom / Blended) instead of the internal ID.

https://<*hostname-api.sabacloud.com*>/v1/catalog/policy/:uniqueNo?type=:type

Calling Options

Table 18: Calling Options

Name	Description	Sample Value	Data Type	Required?
ownerId	Any valid Course, Class or Delivery Mode ID		string	Yes
policyInfo	Policy details		string	Yes

Request Body

```
{
    "policyInfo": [
        {
            "approvalChain": {
                "nodes": [
                    {
                        "subNodes": [
                            {
                                "approvalType": "manager"
                            }
                        ],
                        "key": "1_3"
                    },
                    {
                        "subNodes": [
                            {
                                "approvalType": "alternateManager"
                            }
                        ],
                        "key": "1_4"
                    }
                ],
                "links": [
                    {
                        "from": "START",
                        "to": "1_3"
                    },
                    {
                        "from": "START",
                        "to": "1_4"
                    },
                    {
                        "from": "1_3",
                        "to": "END"
                    },
                    {
                        "from": "1_4",
                        "to": "END"
                    }
                ]
            },
            "policyValue": "approvalRequired",
            "policyName": "approvalPolicy"
        },
```

```
        {
            "learnerCanMarkComplete": false,
            "showBestAttemptScorePolicy": true,
            "policyValue": "doNotOverrideSetting",
            "daysAfterOrder": 12,
            "policyName": "overrideCompletionPolicy",
            "isAutoComplete": true,
            "managerCanMarkComplete": true,
            "offeringCompletionRule": "autoCompleteWhenAllActivitiesCompleted",
            "completionStatus": "unsuccessful",
            "onlyScoreDefineCompletion": false,
            "minimumAttendanceInPercentage": 98
        }
    ]
}
```

Table 19: List of policies

Policy	Name	Value
Recurring Registration This policy is valid for Course and Non-Recurring WBT Class.	recurringRegistrationPolicy	Here are valid policy values: • doNotOverrideSetting (Default Value) • allowRecurringRegistration • allowRecurringRegistrationForInProgressOrSuccessfulCompleted • allowRecurringRegistrationForInProgressOrCompleted • allowRecurringRegistrationForInProgress
Completion Policy This policy is valid for Course, Class and Delivery Mode.	overrideCompletionPolicy	Here are valid policy values: • doNotOverrideSetting (Default Value) • overrideSetting **Note:** If set to overrideSetting, additional settings can be set as mentioned below.
Certification of Completion This policy is valid for Course only if the Certification of Completion microsite property is enabled.	certificationOfCompletion	Here are valid policy values: • true • false (Default Value)

Policy	Name	Value
Approval Required to Register This policy is valid for Course and Class.	approvalPolicy	Here are valid policy values: • doNotOverrideSetting (Default Value) • approvalNotRequired • approvalRequired For more details see this.

Completion Policy - additional settings
With this policy there are following additional settings:

- **learnerCanMarkComplete**

  This is available to Course, Class and Delivery Mode.

  Value: true or false (Default Value
- **managerCanMarkComplete**

  This is available to Course, Class and Delivery Mode.

  Value: true or false (Default Value)

- **showBestAttemptScorePolicy**

  This is available to Course and Class.

  Value: true or false (Default Value)

- **daysAfterOrder, completionStatus**

  This is available to Course, Class and Delivery Mode. Both of these values must be set together.

  Value:

  - **daysAfterOrder:** 0 or more days
  - **completionStatus:** successful, unsuccessful, cancelWithCharge, cancelWithoutCharge
  - **Default Value:** nul

- **offeringCompletionRule**

  This is available to only class.

  Value:

  - autoCompleteWhenAllActivitiesCompleted (Default Value)
  - autoCompleteWhenAllActivitiesCompletedOrNoAttemptAvailable
  - mustBeMarkedManually

- **onlyScoreDefineCompletion**

  This is available only to blended and virtual class offering.

  Value: true or false (Default Value)

- **minimumAttendanceInPercentage**

  This is available only to blended and virtual classroom.

  Value: 0 to 100

  Default Value: null

Approval Required to Register - additional details

If the policyValue is approvalRequired, and approvalChain is not provided, it will not modify default / existing approval chain.

If approvalChain is provided,approvalChainType can be provided with following values to build simple approval chain:

onlyManager	Only Manager Approval required
managerOrAlternateManager	Manager OR Alternate Manager Approval Required
onlyProfileAdditionalApprover	Only Profile Additional Approver's Approval is Re~ quired.
managerOrProfileAdditionalApprover	Manager OR Profile Additional Approver's Approval is Required
managerAndProfileAdditionalApprover	Manager AND Profile Additional Approver's Approval is Required
managerAndThen2ndLevelManager	Approval Chain -> Manager at level 1 and "2nd Level Manager" at Level 2
onlyOrganizationManager	Only Organization Manager Approval required

If approvalChainType is not provided, the user can build custom approval chain with Node and links json like below:

Request Body:

```
{
    "policyInfo": [

        {
            "approvalChain": {
                "nodes": [
                    {
                        "subNodes": [
                            {
                                "approvalType": "manager"
                            }
                        ],
                        "key": "manager"
                    }
                ],
                "links": [
                    {
                        "from": "START",
                        "to": "manager"
                    },
                    {
                        "from": "manager",
                        "to": "END"
                    }
                ]
            },
            "policyValue": "approvalRequired",
            "policyName": "approvalPolicy"
```

```
    },
  ]}
```

Note:

- For sequential or alternate(OR) approval chain, make proper entries in **links** from and to with node key.
- For parallel approval chain (AND), add multiple sub nodes.

```
For exmaple:
"nodes": [
          {
             "subNodes": [
                {
                   "approvalType": "manager"
                },
     {
                   "approvalType": " individualPerson",
                   "personId": " emplo000000000001001",
        "username": " uone"
                }

             ],
             "key": "manager"
          }
       ],
```

Here, valid approval types:

- manager
- alternateManager
- profileAdditionalApprover
- secondLevelManager
- thirdLevelManager
- organizationManager
- individualPerson (additional attribute personId or username is required)

Change path or module structure of an existing certification or curricula

Before this update, REST APIs for Learning modules and paths did not allow changing the paths or module for an existing certification.

The following REST APIs are now available for creating or deleting paths or modules:

- CREATE A NEW LEARNING MODULE
- CREATE A NEW PATH
- DELETE A PARTICULAR MODULE
- DELETE A PARTICULAR PATH

The following existing REST APIs are modified to allow updating the paths or modules of an existing certification:

- UPDATE DETAILS OF A LEARNING MODULE

  Note: You can pass learning interventions in the Request Body to update the learning interventions of a module. If you pass learning interventions, ensure that you pass all the learning interventions. This API deletes all those learning interventions in the module which are not passed in the Request Body, however, if you do not pass any interventions in the Request Body, the existing interventions will not be deleted.

- UPDATE DETAILS OF A PATH

Note: You can now pass the learning modules attribute in the Request Body to update modules of a path. If you pass the modules, ensure that you pass all the modules in the path. This API deletes all those learning modules in the path which are not passed in the Request Body, however, if you do not pass any modules in the Request Body, the existing modules will not be deleted.

CREATE A NEW LEARNING MODULE

Overview

Creates learning module for certification path.

Requires OAuth

No

Method

POST

URL

http://*<hostname-api.sabacloud.com>*/v1/learningmodule

Calling Options
Table 20: Calling Options

Name	Description	Default Value	Data Type	Required?
name	Name of learning module		string	Yes
is_reqd	Whether module is re~ quired for certification path	false	string	No
notes	Notes for learning module		string	No
track_id	Certification path id to which module is to be ad~ ded	track000000000201211	string	Yes
reqd_no_of_items	Required number of items for learning module to complete		string	Yes

Name	Description	Default Value	Data Type	Required?
learningInterventions	Learning interventions of the module	See the row below for sample.	string	Yes

```
{
   "certification_id":"crtfy000000000201127",
   "is_reqd":true,
   "sequence":1,
   "notes":"Module 1 Note",
   "learningInterventions":[
      {
         "is_reqd":false,
         "sequence":1,
         "owner_id":null,
         "is_waiver":false,
         "part_id":{
            "displayName":"",
            "id":"cours000000000203324"
         },
         "id":""
      }
   ],
   "track_id":"track000000000201194",
   "name":"Module 1",
   "is_waiver":false,
   "id":"",
   "reqd_no_of_items":1
}
```

Request Body

```
{
  "name": "New Module",
  "reqd_no_of_items": "1",
  "certification_id": "crtfy000000000217820",
  "track_id": "track000000000206080",
  "is_reqd": true,
  "sequence": 1,
  "is_waiver": false,
  "notes": "New module for Core Java path",
  "learningInterventions": [
    {
      "is_reqd": false,
      "sequence": 1,
      "owner_id": null,
      "is_waiver": false,
      "part_id": {
        "displayName": "",
        "id": "cours000000000229892"
      },
      "id": ""
    }
  ]
}
```

Return Values

```
Status: 201
```

CREATE A NEW PATH

Overview

Creates a certification path.

Requires OAuth

No

URL

http://*<hostname-api.sabacloud.com>*/v1/path

Calling Options

Table 21: Calling Options

Name	Description	Default Value	Data Type	Required?
name	Name of the certification path		string	Yes
is_default_path	Whether is a default path of certification	false	string	No
is_path_recalcula~ tion_done	Whether path recalcula~ tion is done or not	false	string	No
isrecertifica~ tion_track	Whether is a recertification path		string	No
disc_from	Discontinuation date of a path	2021-01-01	string	No

Name	Description	Default Value	Data Type	Required?
learningModules	Learning modules of path	See the row below for sample.	string	Yes


```
[
  {
    "is_reqd":true,
    "sequence":1,
    "notes":"Test module 2",
    "name":"Module 1",
    "is_waiver":false,
    "reqd_no_of_items":1,
    "learningInterventions":[
      {
        "is_reqd":false,
        "sequence":1,
        "owner_id":null,
        "is_waiver":false,
        "part_id":{
          "displayName":"",
          "id":"cours000000000203297"
        }
      }
    ]
  }
]
```


Request Body


```
{
  "name": "Path2",
  "isrecertification_track": false,
  "certification_id": "crtfy000000000200784",
  "disc_from": "2021-06-25",
  "learningModules": [
    {
      "name": "Path1 Module1",
      "sequence": 1,
      "is_reqd": true,
      "reqd_no_of_items": 1,
      "notes": "Module1 description",
      "learningInterventions": [
        {
          "sequence": 1,
          "is_reqd": false,
          "part_id": {
            "id": "cours000000000200002",
            "displayName": "Downloadable Product 3"
          },
          "is_waiver": false,
          "owner_id": null
        }
      ],
      "is_waiver": true
    }
  ]
}
```

Return Values

```
Status: 201
```

DELETE A PARTICULAR MODULE

Overview

Deletes a learning module based on the Learning Module's ID that is passed as a parameter value.

Requires OAuth

No

Method

DELETE

URL

https://<*hostname-api.sabacloud.com*>/v1/learningmodule/:learningModuleId

Calling Options

Table 22: Calling Options

Name	Description	Sample Value	Data Type	Required?
learningModuleId	Learning Module's ID	ce~ grp000000000201381	string	Yes

Return Values

```
200
```

DELETE A PARTICULAR PATH

Overview

Deletes a path based on the Learning Path's ID that is passed as a parameter value.

Requires OAuth

No

Method

DELETE

URL

https://<*hostname-api.sabacloud.com*>/v1/path/:pathId

Calling Options

Table 23: Calling Options

Name	Description	Sample Value	Data Type	Required?
pathId	Learning Path's ID	track000000000201129	string	Yes

Return Values

```
200
```

UPDATE DETAILS OF A LEARNING MODULE

Overview

Updates the details of a learning module based on the Module's ID and Certification's ID passed as parameter values.

Note: You can pass learning interventions in the Request Body to update the learning interventions of a module. If you pass learning interventions, ensure that you pass all the learning interventions. This API deletes all those learning interventions in the path which are not passed in the Request Body, however, if you do not pass any interventions in the Request Body, the existing interventions will not be deleted.

Requires OAuth

No

Method

PUT

URL

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

Calling Options

Table 24: Calling Options

Name	Description	Sample Value	Data Type	Required?
id	Module's ID		string	Yes
certification_id	Certification's ID	crt~ fy000000000200784	string	Yes
name	Name of the learning module	module modified	string	Yes

<table>
<thead>
<tr><th>Name</th><th>Description</th><th>Sample Value</th><th>Data Type</th><th>Required?</th></tr>
</thead>
<tbody>
<tr><td>sequence</td><td>Sequence of the learning module</td><td></td><td>string</td><td>Yes - For existing learning interventions. No - For new learning interventions</td></tr>
<tr><td>waiver</td><td>Waiver of the learning module</td><td>false</td><td>string</td><td>No</td></tr>
<tr><td>notes</td><td>Notes for the learning module</td><td>note101</td><td>string</td><td>No</td></tr>
<tr><td>required</td><td>Whether the learning module is required</td><td>true</td><td>string</td><td>No</td></tr>
<tr><td>learningInterventions</td><td>Learning interventions of module</td><td>See the row below for sample.</td><td>string</td><td>No</td></tr>
<tr><td colspan="5"><pre>
[
  {
    "owner_id":null,
    "is_waiver":false,
    "sequence":2,
    "is_reqd":false,
    "part_id":{
      "id":"cours000000000200190",
      "displayName":"Quality Assurance in Information Systems"
    },
    "id":"edupl000000000201545"
  },
  {
    "owner_id":null,
    "is_waiver":false,
    "is_reqd":false,
    "part_id":{
      "id":"cours000000000001004",
      "displayName":""
    }
  }
]
</pre></td></tr>
<tr><td>reqd_no_of_items</td><td>The required number of items</td><td></td><td>string</td><td>Yes</td></tr>
</tbody>
</table>

Request Body

```
{
  "name": "New Module updated",
  "reqd_no_of_items": "1",
  "certification_id": "crtfy000000000217820",
  "track_id": "track000000000206080",
  "is_reqd": true,
  "sequence": 1,
```

```
  "is_waiver": false,
  "notes": "New module for Core Java path update description",
  "learningInterventions": [
    {
      "is_reqd": false,
      "sequence": 1,
      "owner_id": null,
      "is_waiver": false,
      "part_id": {
        "displayName": "",
        "id": "cours000000000229892"
      },
      "id": ""
    },
    {
      "is_reqd": false,
      "sequence": null,
      "owner_id": null,
      "is_waiver": false,
      "part_id": {
        "displayName": "",
        "id": "cours000000000229898"
      },
      "id": ""
    }
  ]
}
```


UPDATE DETAILS OF A PATH

Overview

Updates the details of a path based on the Path's ID and Certification's ID passed as parameter values.

Note: You can now pass the learning modules attribute in the Request Body to update modules of a path. If you pass the modules, ensure that you pass all the modules in the path. This API deletes all those learning modules in the path which are not passed in the Request Body, however, if you do not pass any modules in the Request Body, the existing modules will not be deleted.

Requires OAuth

No

Method

PUT

URL

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

Calling Options

Table 25: Calling Options

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

Name	Description	Sample Value	Data Type	Required?
certification_id	Certification's ID	crt~ fy000000000200784	string	Yes
isrecertifica~ tion_track	Is it a recertification track	false	string	No
name	Name of the path	Path101 modified	string	Yes
sequence	Sequence of the learning module		string	Yes - For exist~ ing learning modules. No - For new learn~ ing modules
is_default_path	Is is a default path	true	string	No
disc_from	Discontinuation date of path	2021-01-01	string	No

<table>
<tr><th>Name</th><th>Description</th><th>Sample Value</th><th>Data Type</th><th>Required?</th></tr>
<tr><td>learningModules</td><td>Learning modules of path</td><td>See the row below for sample.</td><td>string</td><td>No</td></tr>
<tr><td colspan="5"><pre>
[
  {
    "learningInterventions":[
      {
        "owner_id":null,
        "sequence":1,
        "is_reqd":false,
        "part_id":{
          "id":"cours000000000200402",
          "displayName":"TestCourse3"
        },
        "is_waiver":false,
        "id":"edupl000000000201444"
      }
    ],
    "name":"Core Java Chapter2 updated",
    "sequence":1,
    "is_reqd":true,
    "is_waiver":true,
    "reqd_no_of_items":1,
    "notes":null,
    "id":"cegrp000000000201225"
  },
  {
    "learningInterventions":[
      {
        "owner_id":null,
        "sequence":2,
        "is_reqd":false,
        "part_id":{
          "id":"cours000000000200187",
          "displayName":""
        },
        "is_waiver":false
      }
    ],
    "name":"Core Java Chapter3 added",
    "sequence":2,
    "is_reqd":true,
    "is_waiver":true,
    "reqd_no_of_items":1,
    "notes":null
  }
]
</pre></td></tr>
<tr><td>customValues</td><td>Custom Values</td><td></td><td>string</td><td>No</td></tr>
</table>

Request Body

```
{
  "name": "Path2 Updated",
  "isrecertification_track": false,
```

```
  "certification_id": "crtfy000000000200784",
  "disc_from": "2021-06-25",
  "learningModules": [
   {
    "name": "Path1 Module1",
    "sequence": 1,
    "is_reqd": true,
    "reqd_no_of_items": 1,
    "notes": "Module1 description updated",
    "learningInterventions": [
     {
      "sequence": 1,
      "is_reqd": false,
      "part_id": {
       "id": "cours000000000200002",
       "displayName": "Downloadable Product 3"
      },
      "is_waiver": false,
      "owner_id": null
     },
     {
      "sequence": 2,
      "is_reqd": false,
      "part_id": {
       "id": "cours000000000200010",
       "displayName": "Downloadable Product 4"
      },
      "is_waiver": false,
      "owner_id": null
     }
    ],
    "is_waiver": true
   },
   {
    "name": "Path1 Module2",
    "sequence": 1,
    "is_reqd": true,
    "reqd_no_of_items": 1,
    "notes": "Module2 description",
    "learningInterventions": [
     {
      "sequence": 1,
      "is_reqd": false,
      "part_id": {
       "id": "cours000000000200005",
       "displayName": "Java Coruse"
      },
      "is_waiver": false,
      "owner_id": null
     }
    ],
    "is_waiver": true
   }
  ]
}
```


Return Values

```
Status: 204 No Content
```

Update content inventory

Before this update, it was only possible to create a content inventory using the "Publish Content" API.

The UPDATE CONTENT INVENTORY REST API now allows updating an existing content inventory.

Overview

Updates content in the Saba repository based on the content inventory's ID passed as the parameter.

Note: A partial update is not supported with this REST end point. All the fields should be provided with the updated values in Input JSON for updating a class.

This Web service supports the following content formats:

1. URL
2. AICC
3. SCORM package
4. Deployed SCORM
5. LTI
6. ZIP
7. File

It consumes content type: form-data i.e. the request body should contain form-data. It produces response in application/json format.

Method

PUT

Content Type

form-data

Requires OAuth

No

URL

https://*<hostname-api.sabacloud.com>*/v1/contentinventory/contentimport/**:contentInventoryID**

URL (User-friendly)

You can use a user-friendly URL which accepts **externalId** instead of the internal Content Inventory's ID.

https://*<hostname-api.sabacloud.com>*/v1/contentinventory/contentimport/**:externalId?vendor=Native**

Calling Options

1. **detail**: The detail object must be of type 'text'.

   List of attributes for the detail object:

Attribute Name	Required / Optional	Possible Value / Sample
contentName	Required	...
version	Optional	

Attribute Name	Required / Optional	Possible Value / Sample
isEval	Optional	True / false
urlContent	Required for URL	
contentFolderName	Optional	
parentFolderId	Optional	
expiryDate	Optional	
status	Optional	0,1,2,3,4,5,6,7
availableOffline	Optional	true / false
isScoring	Optional	true / false
domain	Optional	world
compatability	Optional	notCompatible, iPhone, iPad , An~droidSmall, AndroidNormal, both~ContentCompatability, AndroidLar~geAndAbove, AllDevices
customValues	Optional	Custom fields value as per con~figured data type
playerTemplateId	Optional	"playerTemplateId":"plt~pt000000000000001"
externalId	Optional	"externalId":"externalid1"
description	Optional	"description":"description 1",
language	Optional	"language":"english",
duration	Optional	"duration":"30",
author	Optional	"author":"test user",
keywords	Optional	"keywords":" test key 1",
owners	Optional	"owners":[{"id":"em~plo000000000001000","display~Name":"UONE"}]
startFile	Optional	"startFile":"index.html"
markCompleteExternally	Optional	"markCompleteExternally":true
launchParam		
launchParamTrackingKey	Optional	"launchParamTrackingKey":true,
launchParamExternaLContentId	Optional	"launchParamExternaLContent~Id":true,

Attribute Name	Required / Optional	Possible Value / Sample
launchParamVendorName	Optional	"launchParamVendorName":true,
launchParamEmployeeId	Optional	"launchParamEmployeeId":true,
launchParamUsername	Optional	"launchParamUsername":true,
launchParamRegistrationId	Optional	"launchParamRegistrationId":true,
LTI Parameter		
contextType	Optional	"contextType":"Static"
contextId	Optional	"contextId":"contentxId1"
contextName	Optional	"contextName":"contenxt name 1"
additionalAttributes	Optional	"additionalAttributes":"additional attribute 1"
Deployed SCORM		
isDeployedScorm	Optional	"isDeployedScorm":true
contentFileFormat	Optional	"contentFileFormat":"URL"
urlContent	Optional	"urlContent ": "https://qacon~ tent/content/ rcslearning/ /imsmani~ fest.xml"
isDeployedScorm	Optional	"isDeployedScorm":true
urlContent	Optional	"urlContent ": "https:// qacontent /content/ /imsmanifest.xml"

2. **files**: Depending on type of content the number of files will very.
   - For the AICC content, 4 files .au, .crs, .cst and .des files are required.
   - For the SCORM package and File, 1 file is required.
3. For URL, the file attachment will be ignored.

The content format type is decided at run time based on the value of attribute isURL, isAICC and type of file attachments in request. The default Content player template is set based on the content format type.

Table 26: Calling Options

Name	Description	Sample Value	Data Type	Required?
contentInventoryID	Content Inventory's ID		string	Yes

Request Body (Form data)

```
Content-Type: form-data,
detail:
```

```
{
"contentName": "test aicc r2",
"contentFolderName": "cnfld000000000001182",
"customValues": [{
 "name": "custom0",
 "datatype": {
  "value": 18
 },
 "value": null,
 "displayName": "Custom0"
}, {
 "name": "custom1",
 "datatype": {
  "value": 18
 },
 "value": null,
 "displayName": "Custom1"
}]
}
```


Request Body (For File)


```
{
    "contentName": "URL test7",
    "contentFolderName": "abc"
}
```


Request Body (For LTI)


```
{
"contentName":"test lti u451",
"contentFolderName":"test_file_AICC",
"urlContent":"https://www.chemvantage.org/lti/",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"externalId":"LTI_74918b94-bd2c-4ec9-b0ee-68f67380ae94_SabaSite",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```


Request Body (For AICC)


```
{
"contentName":"test aicc u451",
"contentFolderName":"test_file_AICC",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"externalId":"ext1",
"description":"description 1",
"language":"english1",
"duration":"30",
```

```
"author":"test user",
"keywords":" test key 1",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```

Request Body (For ZIP)

```
{
"contentName":"testZip451",
"contentFolderName":"test_file_AICC",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"externalId":"externalid1",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"startFile":"index.html",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```

Request Body (For URL)

```
{
  "contentName":"testContentName",
  "urlContent":"www.google.com",
  "domain":  "domin000000000000001",
  "playerTemplateId":"pltpt000000000000001",
  "compatability":3,
  "version":"1.2",
  "expiryDate":null,
  "contentFolderName":"test_file_AICC",
  "isEval":false,
  "description":"description 1",
  "language":"english1",
  "duration":"30",
  "author":"test user",
  "keywords":" test key 1",
  "owners":[
    {
      "id":"emplo000000000001000",
      "displayName":"UONE"
    }
  ]
}
```

Request Body (Deployed SCROM - without manifest file)

```
{
  "contentName":"rem_conServer_url001",
  "domain":"domin000000000000001",
  "urlContent":"http://10.15.21.230:81/rcscon/spcguru/imsmanifest.xml",
  "playerTemplateId":"pltpt000000000000003",
  "parentFolderId":"cnfld000000000001182",
  "isEval":false
}
```

Request Body (Deployed SCROM - with manifest file)

```
{
    "contentName":"rem_conServe_File001",
    "domain":"domin000000000000001",
    "urlContent":"http://10.15.21.230:81/rcscon/spcguru/",
    "playerTemplateId":"pltpt000000000000003",
    "parentFolderId":"cnfld000000000001182",
    "isEval":false
}
```

Return Values

```
204
```

Get evaluation details of an enrollment

This is a new REST API.

Overview

Returns the evaluation details of the enrollment.

Requires OAuth

No

Method

GET

URL

https://*<hostname-api.sabacloud.com>*/v1/enrollments/:registrationId/evaluations?learnerId=:learnerId

Calling Options

Table 27: Calling Options

Name	Description	Sample Value	Data Type	Required?
registrationId	Registration's ID	reg~dw000000000004020	string	Yes
learnerId	Learner's ID	em~plo000000000004020	string	Yes

Return Values

```
{
    "lrevl000000000001080": {
        "evalDeepLinkURL": "http://<hostname>/Saba/Web_spf/Social/common/
        leclassdetail/regdw000000000067448?studentId=emplo000000000200301
        &evaluationId=lrevl000000000001080#launchObjectEVAL",
        "id": "lrevl000000000001080",
```

```
        "evaluator": {
            "id": "emplo000000000200301",
            "displayName": "Paul Humm7"
        },
        "status": 100,
        "contextId": "ctctx000000000016466",
        "learner": null,
        "contentFormat": 3,
        "registration": {
            "id": "regdw000000000067448",
            "displayName": null
        },
        "isActive": false,
        "certification": null,
        "offering": {
            "id": "dowbt000000000004743",
            "displayName": "EAF WBT1"
        },
        "heldCertification": null,
        "evaluationName": "Evaluation",
        "offeringTemplate": {
            "id": "cours000000000206068",
            "displayName": "Evel avail in future"
        },
        "subscriptionId": "ctnsr000000000002960",
        "dateSubmitted": "2019-08-30T00:00:00.000+0530",
        "dateExpired": null,
        "dateCompleted": null
    }
}
```


Updated REST APIs

Retrieve a user's own audience types

The **GET AUDIENCE TYPE / AUDIENCE SUB TYPES ASSIGNED TO A PERSON** REST API didn't allow logged in users to retrieve their own audience types.

This REST API now allows logged in users and the people admins to retrieve their own Audience Type / Audience Sub Types.

The **GET AUDIENCE TYPE / AUDIENCE SUB TYPES ASSIGNED TO A PERSON** REST API when executed returns:

URL

https://<*hostname-api.sabacloud.com*>/v1/common/profile/:personId/audiencetype

Return Values


```
{
    "totalResults": 2,
    "hasMoreResults": false,
    "startIndex": 1,
    "itemsPerPage": 10,
    "results": [
        {
```

```
            "displayName": "aud_1",
            "id": "audie000000000001021",
            "href": "http://localhost/v1/audiencetype/audie000000000001021"
        },
        {
            "displayName": "aud_2",
            "id": "audie000000000001022",
            "href": "http://localhost/v1/audiencetype/audie000000000001022"
        },
    ],
    "facets": null
}
```


Additional attributes and associations for Certification and Curricula APIs

The following Certification and Curricula REST APIs are now enhanced to support retrieving, capturing and updating some additional attributes and associations:

- GET DETAILS OF A CERTIFICATION

  Note: Use **includeassociation=true** as a query param to get a list of objects associated with an object.

- CREATE A NEW CERTIFICATION
- UPDATE DETAILS OF A CERTIFICATION
- GET DETAILS OF A CURRICULUM

  Note: Use **includeassociation=true** as a query param to get a list of objects associated with an object.

- CREATE A NEW CURRICULUM
- UPDATE DETAILS OF A CURRICULUM

Before this update, these REST APIs didn't support certain attributes and associations which were otherwise possible via the UI.

Attributes

These REST APIs now allow these additional calling options:

Table 28: Calling Options

Name	Description	Sample Value	Data Type	Required?
recertifyDays	Retake this certification after X days. **Default value:** Null. API returns 0, if null **Note:** Only supported when the **Recertification** setting is enabled under the Certification service.	true	integer	No

Name	Description	Sample Value	Data Type	Required?
isExpiresInMonths	Is valid_till attribute value is in month or not. **Default value:** false **Note:** Only supported when the **Advanced Compliance** functionality is enabled.	true	string	No
disp_learner	Display for learner. **Default value:** false **Note:** Only supported when the **Control Display and Registration of Certification/Curriculum for Learners and Registrars** setting is enabled under the Certification / Curriculum service. If this setting is disabled, the default value for display for learner and display for call center will be true.	true	string	No
disp_callcenter	Display for call center. **Default value:** false **Note:** Only supported when the **Control Display and Registration of Certification/Curriculum for Learners and Registrars** setting is enabled under the Certification / Curriculum service. If this setting is disabled, the default value for display for learner and display for call center will be true.	true	string	No

Name	Description	Sample Value	Data Type	Required?
self_register	Allow self-registration. **Default value:** false **Note:** Only supported when the **Control Display and Registration of Certification/Curriculum for Learners and Registrars** setting is enabled under the Certification / Curriculum service. If this setting is disabled, the default value for display for learner and display for call center will be true.	true	string	No
expiryType	Expiration type. Possible values are duration and dayOfMonth. **Default value:** duration **Note:** Expiry type dayOfMonth is supported only when the **Advanced Compliance** functionality is enabled.	duration	string	No
expiresOnDay	Expires on day value. **Default value:** 01 **Note:** Supported Only when expiryType is **dayOfMonth**.	10	string	No
expiresOnMonth	Expires on month value. **Default value:** 01 **Note:** Supported Only when expiryType is **dayOfMonth**.	05	string	No
nextExpiryStartsOnDay	**Default value:** 01 **Note:** Supported Only when expiryType is **dayOfMonth**.	02	string	No

Name	Description	Sample Value	Data Type	Required?
nextExpiryStartsOn~Month	**Default value:** 01 **Note:** Supported Only when expiryType is **dayOf~Month**.	02	string	No
expiresOnFrequency	The number of years after which the expiry cycle re~peats. **Default value:** 1 **Note:** Supported Only when expiryType is **dayOf~Month**.	02	integer	No

Note: If the **Advanced Compliance** functionality is enabled and:

- "expiryType=duration" and "isExpiresInMonths=false" then expiration and recertification would be set in days
- "expiryType=duration" and "isExpiresInMonths=true" then expiration and recertification would be set in months

  If the **Advanced Compliance** functionality is disabled:

  - Expiration and recertification would be in days irrespective of the value passed for expiryType

More details on the expiration date

When you set **expiryType=dayOfMonth** in the **Request Body** then the expiration date gets set based on the value passed in:

- expiresOnDay
- expiresOnMonth
- nextExpiryStartsOnDay
- nextExpiryStartsOnMonth
- expiresOnFrequency

If certifications are acquired after the day (nextExpiryStartsOnDay) of month (nextExpiryStartsOnMonth) specified in these fields, then the new expiry cycle for those certifications is calculated as one year after the expiration date calculated using **Expires On** and **Frequency** values.

For example, if expiresOnDay = 1, expiresOnMonth = 12, nextExpiryStartsOnDay = 1, nextExpiryStartsOnMonth = 7, expiresOnFrequency = 2 then:

Expires On: Dec 01st, Frequency (Years): 2 and New Expiry Cycle Starts On: July 1st

Here are a few more examples:

- Learner acquires the certification for the first time, and if the Acquired On date is May 01, 2019, then the expiration date is calculated as Dec 01, 2020
- Learner acquires the certification for the first time, and if the Acquired On date is August 01, 2019, then the expiration date is calculated as Dec 01, 2020 + 1 year = Dec 01, 2021
- Learner acquires the certification from Acquired-Recertification Needed state, and the current expiration date is Dec 01, 2020, then the new expiration date is calculated as Dec 01, 2020 + 2 years = Dec 01, 2022

Associations

The CREATE A NEW CERTIFICATION, UPDATE DETAILS OF A CERTIFICATION, CREATE A NEW CURRICULUM and UPDATE DETAILS OF A CURRICULUM REST APIs now allow associating or de-associating the following objects:

- Owners
- Evaluations
- Audience Types
- Attachments
- Categories
- Keywords
- Certificate Templates

You can now pass associations as an attribute to these REST APIs.

Table 29: Calling Options

Name	Description	Sample Value	Data Type	Required?
associations	Association data		string	No

Association data

You can set the following association attributes using the **associations** attribute.

Note: The action attribute is optional and **add** is the default action (except for Attachment).

Add Owner

Note: Lookup is supported for person username, if id is not passed.

```
[
  {
    "displayName": "client1 sindhav1",
    "id": "persn000000000203427",
    "action": "add"
  }
]
```

Remove Owner

Note: Lookup is supported for person username, if id is not passed.

```
[
  {
    "displayName": "csindhav1",
    "id": "",
    "action": "delete"
  }
]
```

Add Audience Type

Note: Lookup is supported for person audience type, if id is not passed.

```
{
  "audienceType": [
    {
```

```
      "displayName": "Aud1",
      "id": "audie000000000003624",
      "action": "add"
    }
  ]
}
```

Remove Audience Type

Note: Lookup is supported for person audience type, if id is not passed.

```
{
  "audienceType": [
    {
      "displayName": "aud1",
      "id": "audie000000000003624",
      "action": "delete"
    }
  ]
}
```

Add Evaluation

The attribute id contains the id of the content inventory which is marked as evaluation.

The value of the attribute expiresIn can be: **noExpiration** or **expiresInXDays**. If the value is **expiresInXDays**,then the expiresInXDays attribute must be passed with the number of days for the evaluation expiration.

```
{
  "evaluation": [
    {
      "expiresIn": "noExpiration",
      "expiresInXDays": 0,
      "id": "cninv000000000001501"
    }
  ]
}
```

Disable Evaluation

The attribute id contains the id of the content inventory which is marked as evaluation.

```
{
  "evaluation": [
    {
      "id": "cocnt000000000023190",
      "action": "disable"
    }
  ]
}
```

Remove Evaluation

The attribute id contains the id of the content inventory which is marked as evaluation.

```
{
  "evaluation": [
    {
      "id": "cocnt000000000023188",
      "action": "delete"
    }
```

```
  ]
}
```

Add Attachment

```
{
  "attachment": [
    {
      "private": true,
      "attachmentType": "url",
      "name": "attachment2",
      "locale": {
        "id": "local000000000000001",
        "displayName": "English"
      },
      "category": "Syllabus",
      "url": "https://dqlearningv2.sabacloud.com"
    }
  ]
}
```

Update Attachment

Note: The attribute attachmentType is a required attribute, other attributes are optional.

```
{
  "attachment": [
    {
      "private": false,
      "attachmentType": "url",
      "name": "attachment2 Update",
      "id": "notdc000000000345596",
      "locale": {
        "id": "local000000000000001",
        "displayName": "English"
      },
      "category": "Syllabus",
      "url": "https://dqlearningv2-urlUpdate.sabacloud.com",
      "action": "partialUpdate"
    }
  ]
}
```

Remove Attachment

```
{
  "attachment": [
    {
      "id": "notdc000000000345595",
      "action": "delete"
    }
  ]
}
```

Add Category

Note:

Lookup is supported for category name. For child category, a complete path must be passed separated by '\\'. For example parentCategory1\\ParentCategory_Child1

```
{
  "category": [
    {
      "id": " categ000000000003560",
      "displayName": "OpenSesame",
      "action": "add"
    }
  ]
}
```

Remove Category

Note:

Lookup is supported for category name. For child category, a complete path must be passed separated by '\\'. For example parentCategory1\\ParentCategory_Child1

```
{
  "category": [
    {
      "id": "",
      "displayName": "parentCategory1\\ParentCategory_Child1",
      "action": "delete"
    }
  ]
}
```

Add Keyword

Note:

Lookup is supported for keyword name.

```
{
  "keyword": [
    {
      "displayName": "keyword1",
      "id": "kywrd000000000201560",
      "action": "add"
    }
  ]
}
```

Remove Keyword

Note:

Lookup is supported for keyword name.

```
{
  "keyword": [
    {
      "id": "kywrd000000000201560",
      "displayName": "keyword1",
      "action": "delete"
    }
  ]
}
```

Add Certification Template

Note:

Lookup is supported for certification template name.


```
{
  "certification_template": [
    {
      "displayName": "CertTemplateTest",
      "id": "crttp000000000001180",
      "action": "add"
    }
  ]
}
```


Remove Certification Template

Note:

Lookup is supported for certification template name.


```
{
  "certification_template": [
    {
      "displayName": "CertTemplateTest",
      "id": "crttp000000000001180",
      "action": "delete"
    }
  ]
}
```


Content Inventory APIs to support additional fields and format

Publish Content

The existing content inventory API called **Publish Content** didn't support formats such as ZIP, LTI and a few other attributes.

The **Publish Content** API is now updated to support:

- ZIP format with start File
- LTI with Parameters - Context type, Context Id, Context name, Additional Attributes
- Additional attributes:
  1. Content Type
  2. Content Format (Mandatory for Zip and LTI)
  3. Content Provider
  4. External Id
  5. Content description
  6. Language
  7. Duration
  8. Author
  9. Keywords
  10. Owner
  11. Mark Complete Externally
  12. Launch params (TrackingKey, ExternaLContentId, VendorName, EmployeeId, Username, RegistrationId)
  13. StartFile

URL

https://*<hostname-api.sabacloud.com>*/v1/contentinventory/contentimport

Table 30: List of updated attributes for the detail object

Attribute Name	Required / Optional	Possible Value / Sample
contentName	Required	...
version	Optional	
isAICC	Required	true / false
isURL	Required	true / false
isEval	Optional	True / false
urlContent	Required for URL	
contentFolderName	Optional	
parentFolderId	Optional	
expiryDate	Optional	
availableFrom	Optional	
status	Optional	0,1,2,3,4,5,6,7
serverId	Optional	
availableOffline	Optional	true / false
esignatureRequired	Optional	true / false
isScoring	Optional	true / false
isDeployedScorm	Optional	true / false
domain	Optional	world
compatability	Optional	notCompatible, iPhone, iPad , An~droidSmall, AndroidNormal, both~ContentCompatability, AndroidLar~geAndAbove, AllDevices
customValues	Optional	Custom fields value as per con~figured data type
playerTemplateId	Optional	"playerTemplateId":"plt~pt000000000000001"
contentFileType	Optional	"contentFileType ":"1"
content_format	Mandatory for Zip and LTI	"content_format ":"8"

Attribute Name	Required / Optional	Possible Value / Sample
contentVendor	Optional	"contentVendor": {"id":"cn~ven000000000000002","display~Name":"Native"}
externalId	Optional	"externalId":"externalid1"
description	Optional	"description":"description 1",
language	Optional	"language":"english",
duration	Optional	"duration":"30",
author	Optional	"author":"test user",
keywords	Optional	"keywords":" test key 1",
owners	Optional	"owners":[{"id":"em~plo000000000001000","display~Name":"UONE"}]
startFile	Optional	"startFile":"index.html"
markCompleteExternally	Optional	"markCompleteExternally":true
launchParam		
TrackingKey	Optional	"launchParamTrackingKey":true,
launchParamExternaLContentId	Optional	"launchParamExternaLContent~Id":true,
launchParamVendorName	Optional	"launchParamVendorName":true,
launchParamEmployeeId	Optional	"launchParamEmployeeId":true,
launchParamUsername	Optional	"launchParamUsername":true,
launchParamRegistrationId	Optional	"launchParamRegistrationId":true,
LTI Parameter		
contextType	Optional	"contextType":"Static"
contextId	Optional	"contextId":"contentxId1"
contextName	Optional	"contextName":"contenxt name 1"
additionalAttributes	Optional	"additionalAttributes":"additional at~tribute 1"
Deployed SCORM		
isDeployedScorm	Optional	"isDeployedScorm":true
contentFileFormat	Optional	"contentFileFormat":"URL"

Attribute Name	Required / Optional	Possible Value / Sample
urlContent	Optional	"urlContent ": "https://<host~ name>/content/ rcslearning/ /ims~ manifest.xml"
isDeployedScorm	Optional	"isDeployedScorm":true
urlContent	Optional	"urlContent ": "https://<host~ name>/content/ /imsmanifest.xml"

List of values supported for the **content_format** attribute:

AICC	0
SCORM_Deployed	1
Zip	2
File	3
SCORM_Package	7
URL	8
LTI	22

List of values supported for the **contentFileType** attribute:

Image	1
LearningObject	2
Document	3
PlayerTemplate	4
Unspecified	5
AuthoringTemplates	6
Audio	8
Video	9
Software	10
Test	11
Survey	12
QuestionGroupTest	13
QuestionGroupSurvey	14
Website	15

CentraRecording	16
PAN	18
VCRecording	17
PanoptoVideo	19

Request Body (For LTI)


```
{
"contentName":"test lti u451",
"contentFolderName":"test_file_AICC",
"urlContent":"https://<hostname>/lti/",
"serverId":"media000000000000001",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"contentFileType":"2",
"content_format":"22",
"contentVendor": {"displayName":"Lit vendor 1"},
"externalId":"LTI_74918b94-bd2c-4ec9-b0ee-68f67380ae94_SabaSite",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```


Request Body (For AICC)


```
{
"contentName":"test aicc u451",
"contentFolderName":"test_file_AICC",
"serverId":"media000000000000001",
"compatability":3,
"isAICC":true,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"contentFileType":"2",
"content_format":"0",
"contentVendor": {"displayName":"Saba"},
"externalId":"ext1",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```

Request Body (For ZIP)


```
{
"contentName":"testZip451",
"contentFolderName":"test_file_AICC",
"serverId":"media000000000000001",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"contentFileType":"2",
"content_format":"2",
"contentVendor": {"displayName":"Native"},
"externalId":"externalid1",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"startFile":"index.html",
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```


Request Body (For URL)


```
{
"contentName":"testURl444",
"isAICC":false,
"isURL":true,
"urlContent":"http://www.<hostname>.com",
"contentFolderName":"test_file_AICC",
"serverId":"media000000000000001",
"compatability":3,
"version":"1.1",
"availableOffline":true,
"playerTemplateId":"pltpt000000000000001",
"contentFileType":"1",
"content_format":"8",
"contentVendor": {"displayName":"Native"},
"externalId":"externalid1",
"description":"description 1",
"language":"english1",
"duration":"30",
"author":"test user",
"keywords":" test key 1",
"markCompleteExternally":true,
"launchParamTrackingKey":true,
"launchParamExternaLContentId":true,
"launchParamVendorName":true,
"launchParamEmployeeId":true,
"launchParamUsername":true,
"launchParamRegistrationId":true,
"owners":[{"id":"emplo000000000001000","displayName":"UONE"}]
}
```


GET CONTENT'S DETAILS ALONG WITH THE METADATA

This API is also updated to now support additional meta information in the output.

Return Values


```
{
    "securityDomain": {
        "id": "domin000000000000001",
        "displayName": "world"
    },
    "customValues": {
        "custom0": null,
        "custom1": null,
        "custom2": null,
        "custom3": null,
        "custom4": null,
        "custom5": null,
        "custom6": null,
        "custom7": null,
        "custom8": null,
        "custom9": null
    },
    "name": "testURl444",
    "microlearning": false,
    "fileSize": 0,
    "id": "cninv000000000001485",
    "parent_id": null,
    "security_context": null,
    "delivery_vendor": {
        "id": "cnven000000000000001",
        "displayName": "Saba"
    },
    "file_display_name": null,
    "use_tincanVerbs": false,
    "is_public": false,
    "is_dirty": false,
    "status": 0,
    "external_id": "externalid1",
    "player_template": {
        "id": "pltpt000000000000001",
        "displayName": "Standard Content Player Template"
    },
    "url": "http://www.<hostname>.com",
    "valid_till": null,
    "available_from": null,
    "content_format_version": null,
    "content_format": "8",
    "available_offline": true,
    "require_esignature": false,
    "content_location": "sabacr1809509573212860489",
    "stage_content_id": null,
    "mark_complete_externally": true,
    "is_hide_exit_option": false,
    "is_hide_exit_without_saving": false,
    "content_provider": {
        "id": "cnven000000000000002",
        "displayName": "Native"
    },
    "ios_compatibility": "both",
    "is_scoring": false,
    "use_aicc_bridge": false,
    "is_eval": false,
    "upload_info": "http://www.<hostname>.com",
    "folder_id": {
        "id": "cnfld000000000001314",
        "displayName": "test_file_AICC"
```

```
    },
    "version_no": "1.1",
    "is_secure": false,
    "toc": "PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz48
    aW1zY3AtbWFuaWZlc3Qgc2FiYWludGVybmFsPSJ5ZXMiIGlkZW50aWZpZXI9
    IjAuMzUyNzM4Mjg5NDMyNTYzMjUiIHZlcnNpb249IjEuMSI+DQoJPGltc2NwL
    W1ldGFkYXRhPg0KCQk8aW1zY3Atc2NoZW1hPklNUyBDb250ZW50PC9pbXNjcC
    1zY2hlbWE+DQo8aW1zY3Atc2NoZW1hdmVyc2lvbj4xLjA8L2ltc2NwLXNjaGV
    tYXZlcnNpb24+DQo8L2ltc2NwLW1ldGFkYXRhPg0KPGltc2NwLW9yZ2FuaXphd
    GlvbnMgZGVmYXVsdD0iVE9DMSI+DQo8aW1zY3Atb3JnYW5pemF0aW9uIGlkZW5
    0aWZpZXI9IlRPQzEiPg0KPGltc3NzLXNlcXVlbmNpbmcgeG1sbnM6aW1zbWQyP
    SJodHRwOi8vd3d3Lmltc2Byb2plY3Qub3JnL3hzZC9pbXNfbWRfcm9vdHYxcDE
    iIHhtbG5zOmltc21kMT0iaHR0cDovL3d3dy5pbXNnbG9iYWwub3JnL21ldGFkY
    XRhLyIgeG1sbnM6aW1zY3A9Imh0dHA6Ly93d3cuaW1zcHJvamVjdC5vcmcvY29
    udGVudCIgeG1sbnM6Zm89Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvWFNML0Zvc
    m1hdCI+DQo8aW1zc3MtY29udHJvbE1vZGUgZmxvdz0idHJ1ZSIgY2hvaWNlRXh
    pdD0idHJ1ZSIgY2hvaWNlPSJ0cnVlIi8+DQo8L2ltc3NzLXNlcXVlbmNpbmc+D
    Qo8aW1zY3AtdGl0bGU+dGVzdFVSbDQ0NDwvaW1zY3AtdGl0bGU+DQo8aW1zY3A
    taXRlbSBpZGVudGlmaWVyPSJBMDAxIiByZXNvdXJjZXJlZj0iQTAwMSIgaWRlb
    nRpZmllcnJlZj0iQTAwMSI+DQo8aW1zY3AtdGl0bGU+dGVzdFVSbDQ0NDwvaW1
    zY3AtdGl0bGU+DQo8L2ltc2NwLWl0ZW0+DQo8L2ltc2NwLW9yZ2FuaXphdGlvb
    j4NCjwvaW1zY3Atb3JnYW5pemF0aW9ucz4NCjxpbXNjcC1yZXNvdXJjZXM+DQo
    JCTxpbXNjcC1yZXNvdXJjZSBpZGVudGlmaWVyPSJBMDAxIiB0eXBlPSJ3ZWJjb2
    50ZW50IiBtYXN0ZXJ5U2NvcmU9IiIgaHJlZj0iaHR0cDovL3d3dy5nb29nbGUuY
    29tIj4NCgkJCTxpbXNjcC1maWxlIGhyZWY9Imh0dHA6Ly93d3cuZ29vZ2xlLmNvb
    SIvPg0KPC9pbXNjcC1yZXNvdXJjZT4NCjwvaW1zY3AtcmVzb3VyY2VzPg0KPC9pb
    XNjcC1tYW5pZmVzdD4NCg==",
    "launchParamVendorName": true,
    "launchParamRegistrationId": true,
    "keywords": "test key 1",
    "author": "test user",
    "description": "description 1",
    "language": "english1",
    "owners": [
      {
        "id": "emplo000000000001000",
        "displayName": "User One"
      }
    ],
    "launchParamTrackingKey": true,
    "duration": 30,
    "launchParamExternaLContentId": true,
    "launchParamEmployeeId": true,
    "launchParamUsername": true,
    "contentType": "1"
}
```


Enhancements to the Microsite Properties page

In this update the following enhancements are done to the **System** > **Configure System** > **Microsite Properties** page:

The properties are now rendered in tabs.

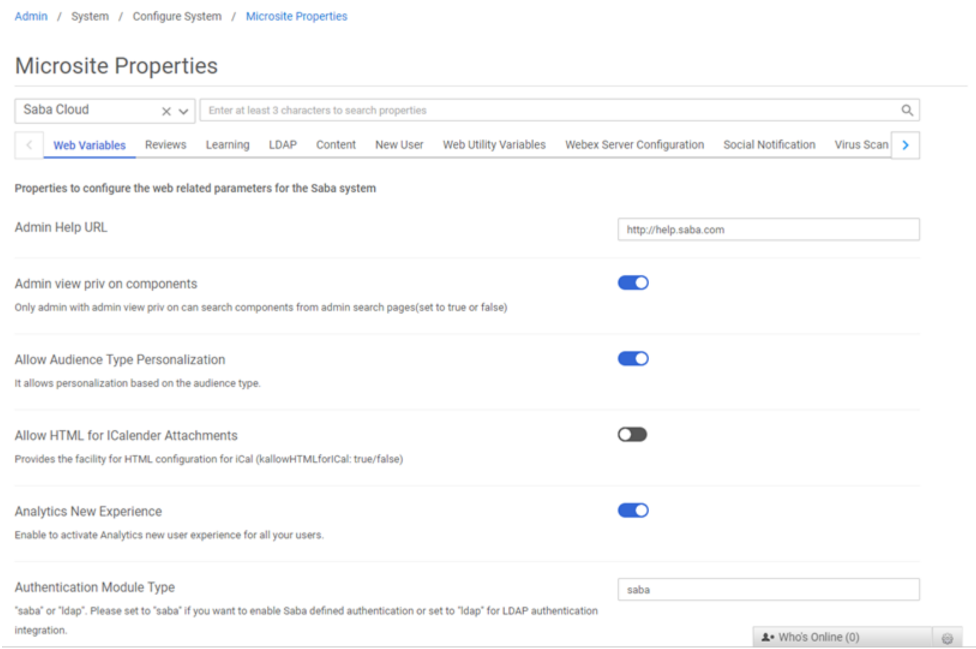


Figure 128: System > Configure System > Microsite Properties page with tabs

The search results are presented in a simplified view without tabs and the searched words are now highlighted.

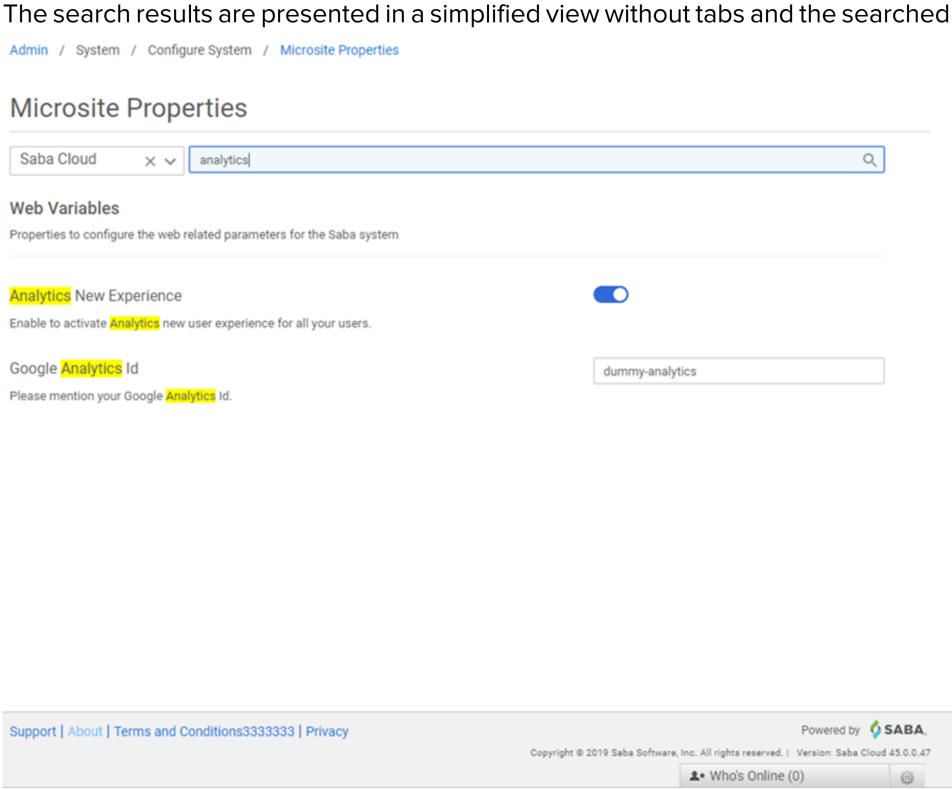


Figure 129: Search results

Any changes you make to the properties are now saved automatically

To select a site, you can start typing the first few characters of the site to filter.

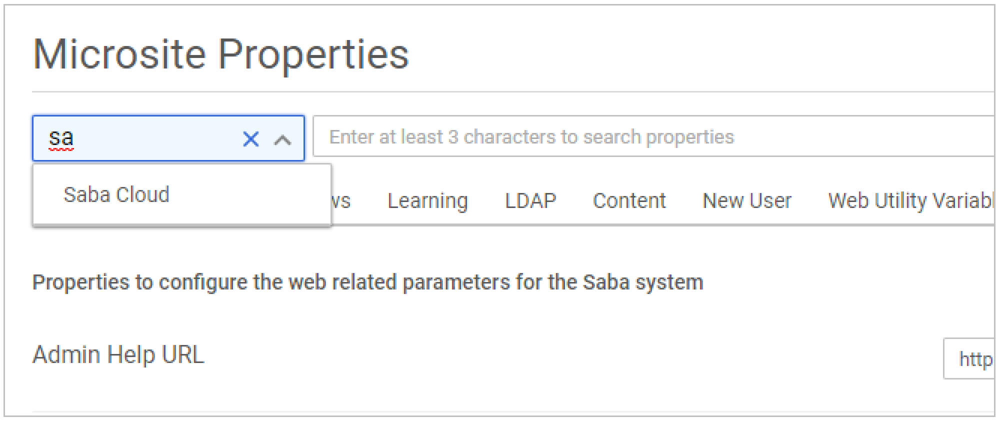


Figure 130: Selecting a site

DKIM signing support for emails

Prior to this update, Saba Cloud only supported S/MIME for digitally signing emails originated from Saba Cloud.

In this update, Saba Cloud now also supports DKIM for digitally signing emails originated from Saba Cloud (including emails from Saba Analytics).

Note: DKIM is similar to S/MIME. Both are used to secure transmission of data in mail communication. Saba Cloud now provides this additional option where customers can now secure channels of communication using either DKIM or S/MIME concepts. To enable this feature, contact your Saba account manager.

The System Admin can enable **Digitally Signed (DKIM)** and provide the **Private Key** and the **Selector** for a domain under **Manage Notifications** > **Config** > **Domain Specific Parameters**.

Note: To send digitally signed emails you need to enable a new service called **Email Digital Signature** which is available under **Admin** > **System** > **Configure System** > **Services** > **Foundation**. By default, this service is disabled.

Figure 131: Domain specific details

As a System Admin, for every domain, you can specify the following under **Manage Notifications** > **Config** > **Domain Specific Parameters** > **Add Parameter**:

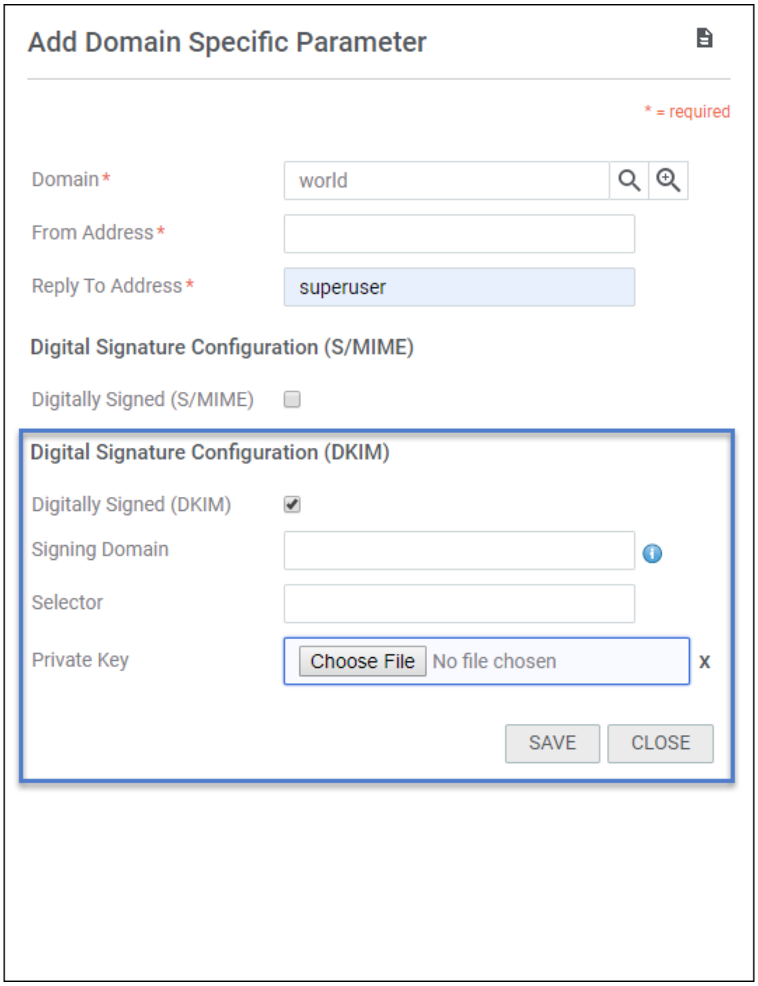


Figure 132: Add Parameter

- Digitally Signed (DKIM) (whether to enable or disable it for that domain) - When enabled, the email is signed using DKIM standard.
- Signing Domain - Setting the signing domain is optional, however if you set the signing domain, then you also need to set values for the Selector and Private Key fields. If you do not set these values, the signing domain defaults to the value provided by Saba Cloud.
- Selector - The default selector to be used to sign email messages
- Private Key - The Private Key to be used to sign email messages.

Note: DKIM supports the rsa-sha256 algorithm.

After you enable Digitally Signed (DKIM), all emails from that domain will be digitally signed using DKIM. If the domain hierarchy property is set to true, then the child domain emails will also be digitally signed using DKIM, otherwise the configuration from the **world** domain will be considered.

Access sensitive data using Proxy mode

Before this update, while in proxy mode, it was not possible to access sensitive data that was hidden using the Can view Sensitive data (Goal / Reviews / Skills) privileges on the **Proxy Visibility** Component. You can now override this behavior using a new privilege.

In this update, you now have a new component-driven privilege called **Allow viewing sensitive data in Proxy mode**. System Admins can assign this new component-driven privilege to those identified managers and Super Admins who need to have the ability to view the sensitive data (like reviews, goals, and so on).

After they are granted this privilege, those managers and Super Admins (when in a proxy session) can access sensitive data which was hidden using the Can view Sensitive data (Goal / Reviews / Skills) privileges on the **Proxy Visibility** Component.

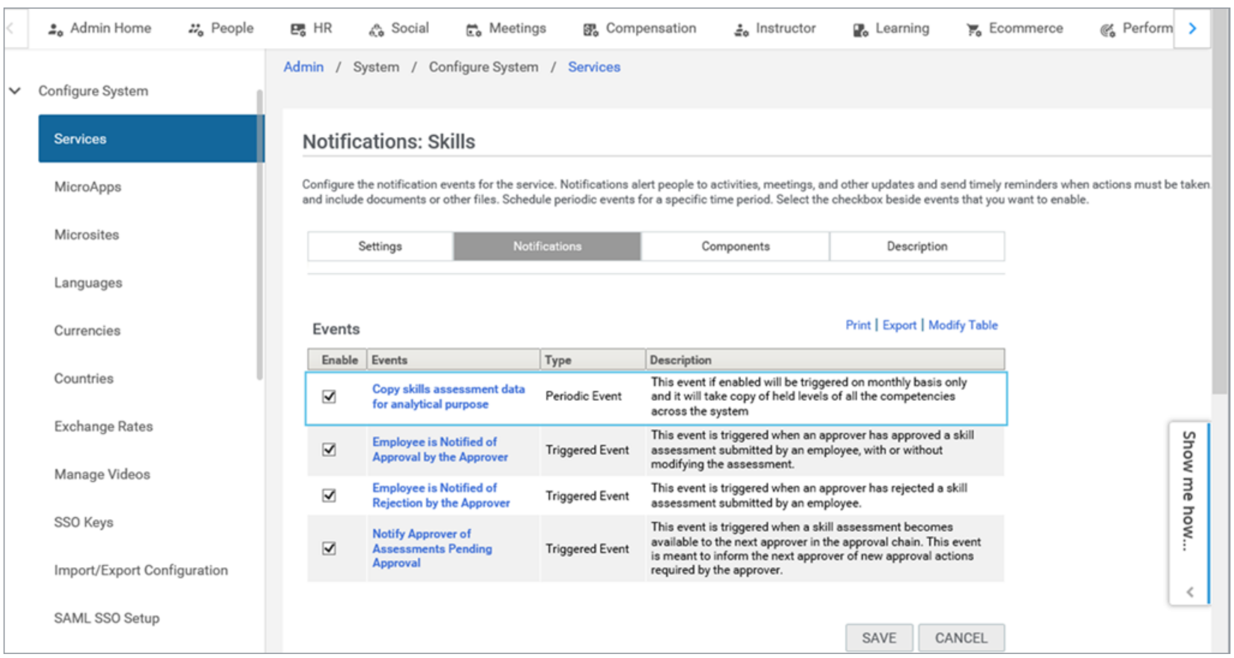
Note: By default this privilege is disabled.

Ideally, you can enable this new privilege by creating a separate security role and assigning the same (either via RDI or Prescriptive Rules) to a selected set of admins who need to view the sensitive data. All such admins having this new privilege, when they proxy any user, they will be able to see sensitive data of 'Proxy For' user irrespective of the Can view Sensitive data (Goal / Reviews / Skills) privileges on Proxy Visibility Component.

New notification event for skills

You now have a way to generate a notification that will copy skills assessment data for analytical purposes.

Note: If enabled, this periodic event notification can only be triggered on monthly basis.



For more information on how to enable and set the monthly recurrence for this notification, see **Configuration** > **Notifications** > **Manage notifications** > **Enabling and configuring notification events**.

Whitelisting IP addresses for xAPI and LTI API access

Before this update, it was not possible to restrict xAPI and LTI API access to a limited set of users.

In this update, you now have a provision to restrict xAPI and LTI API access to a limited set of users based on a range of IP addresses.

Note: To enable the restriction, submit a support request and provide a list or a range of IP addresses. For assistance, contact Saba support.

Chapter 12

Talent

Topics:

This section includes the following topics that will guide you through the new features and improvements under Talent.

Name column is frozen when viewing the Talent Pool

Prior to this update, when the Talent Administrator or a manager scrolled horizontally in a Talent Pool to view details, the name of the candidate was not seen so it was difficult to relate the remaining data.

The **Name** column is now frozen when viewing the candidate details in the Talent Pool. Talent Administrator and the manager can now relate the data properly with the candidate while scrolling horizontally.

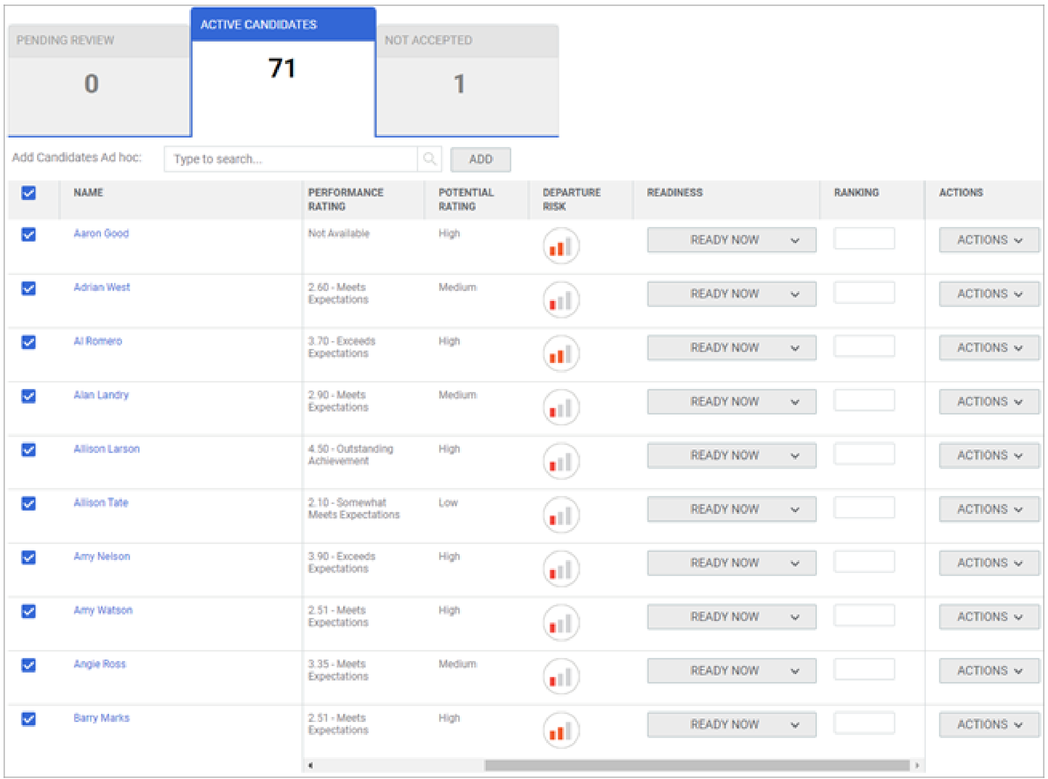


Figure 133: Frozen Name column

Remove candidates from talent pool

Prior to this update, the Talent Administrator or manager could not remove candidates from any tabs in a talent pool. They had to move the candidates from the **Active** tab to the **Not Accepted** tab to reject the candidates for that pool.

As a Talent Administrator and manager, you can now remove the candidates from any tabs. You can remove the candidates individually and in bulk. The following new actions are added in the **Manage Pool** drop-down list:

- Remove All Candidates - Allows you to delete all the candidates from the pool.
- Remove Selected Candidates - Allows you to remove the selected candidates from the tab for the pool.

The **Remove** action is also available for each candidate that removes the corresponding candidate from the pool. If you remove any candidate from the **Pending Review** tab, then that nomination will not be considered for any pool with the same target.

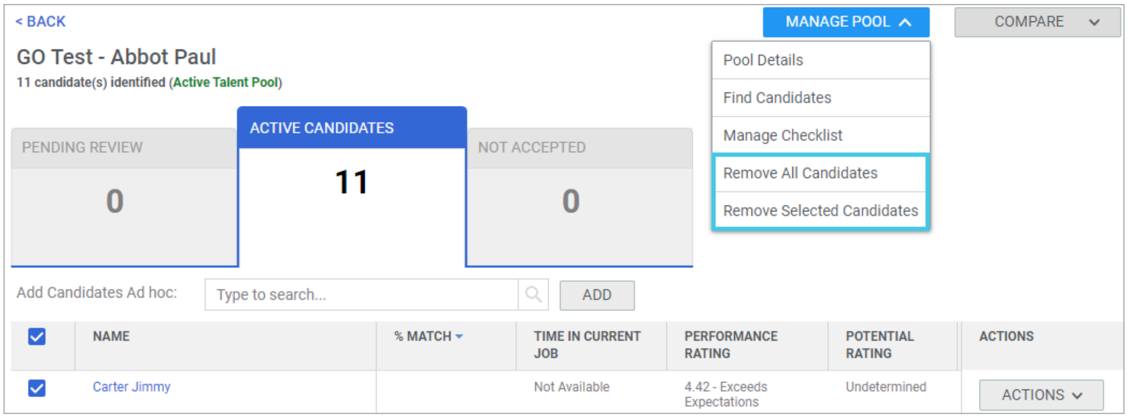


Figure 134: Remove all or selected candidates

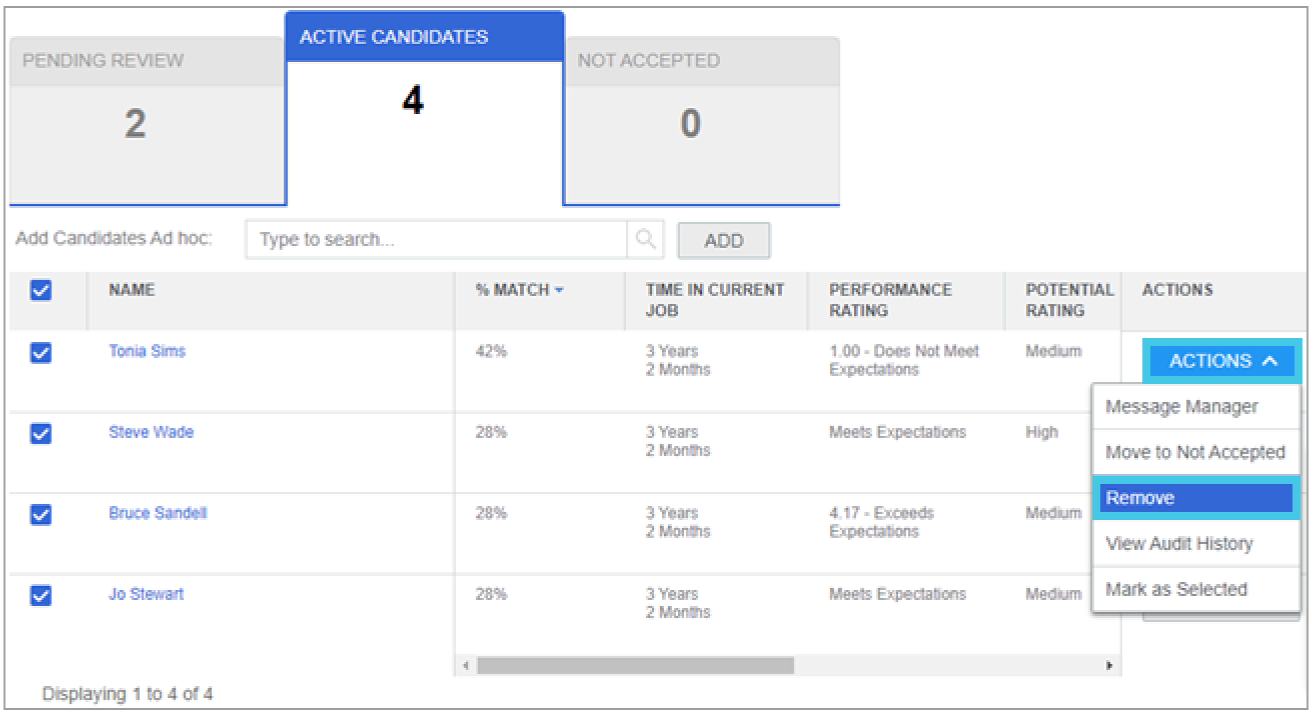


Figure 135: Remove action per candidate

The Talent Administrator and the manager can remove the candidates from the pool if they are no longer needed or do not fit the pool requirements.

Sort candidates in the talent pool

Prior to this update, the Talent Administrator or a manager could sort the candidates in any tabs only by **%Match**, **Time in Current Job**, and **Performance Rating** columns of a talent pool. The sorting was applicable only on the 10 records appearing on the page and not on all the records in the application.

As a Talent Administrator and manager, you can now sort the candidates in all the three tabs. The sorting is available on all the columns allowing you to sort them based on any criteria. By default, the records are sorted by **% Match** and **Nominations** columns in descending order and **Name** column in ascending order.

The columns are sorted as mentioned below:

- The following columns are sorted alphabetically:
    - Name
    - Readiness
- The following columns are sorted numerically:
    - %Match
    - Time In Current Job
    - Performance Rating
    - Potential Rating
        - In case of a normal rating where 1 is lowest and 5 is highest, the sorting is done numerically. So, for an ascending order, the lowest rating (1) will appear first.
        - In case of an inverse rating where 1 is highest and 5 is lowest, the sorting is done numerically. So, for an ascending order, the lowest rating (5) will appear first.
        - In case of values like Undisclosed or Not Available which appears when the Talent Administrator or a Manager is not authorized to view the Performance Rating or when the candidate does not have any rating. These values has same 0 index associated with it. It is sorted alphabetically. Also, the sorting of these 2 values depends upon user's locale.
    - Ranking
    - Nomination
- Departure Risk column is sorted in ascending order based on the highlight of the bar chart. The column with no highlight appears first then the single column of bar chart is shown and so on.

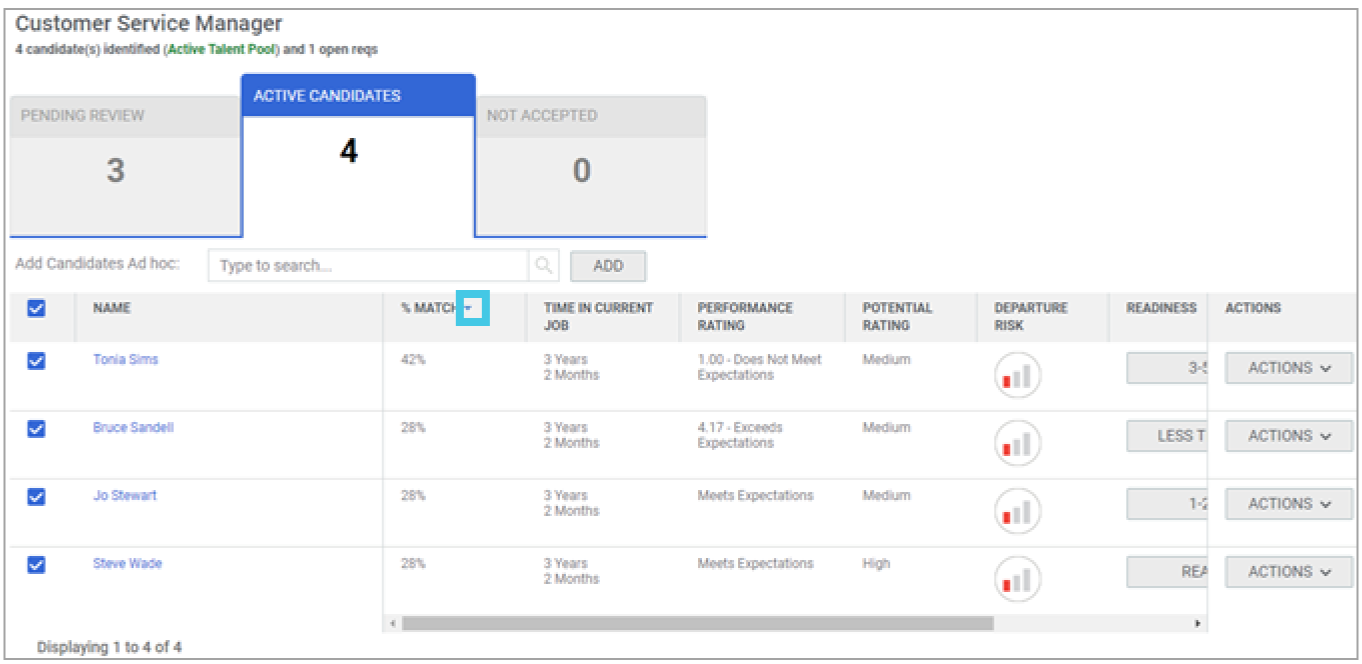


Figure 136: Sort candidates

Chapter

13

Walkthroughs

Topics:

This section includes topics to guide you through new walkthroughs.

New walkthroughs

The 'Show me how...' menu that appears on the right side of the screen on the Saba Cloud Admin page provides step-by-step instructions to help administrators accomplish key tasks.

Notes:

- The 'Show me how...' menu is displayed only if your System Administrator has enabled the walkthrough-related properties for your site.
- The new walkthroughs only work in Saba Cloud's new user experience. Your administrator can enable the new user experience by navigating to **System** > **Manage Branding** > **User Experience**.
- The walkthroughs only work in full screen.
- Walkthroughs are only available in English.

This menu now includes the following new walkthroughs:

- Disable end users from editing profiles
- Create a header-footer notification template
- Set up the notification details