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Orchestration from HR System to CyberArk Identity Setup Guide



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Overview

This guide explains the procedures to be performed to set up the orchestration in Aquera Admin application to send the user data for provisioning from an HR system to the CyberArk Identity system.

To explain the process, we have considered BambooHR system as the source of information.

The following sequential steps must be performed in Aquera Admin to set up the orchestration over the Aquera's HR Onboarding Bridge:

- [Configuring the Source Application](#)
- [Configuring the Target Application \(CyberArk Identity\)](#)
- [Creating the Orchestration](#)

Prerequisites

Make sure that the user has access credentials for Aquera Admin application, BambooHR system, and CyberArk Identity system.

Configuring the Source Application

This section describes how to configure the BambooHR system, which is the source

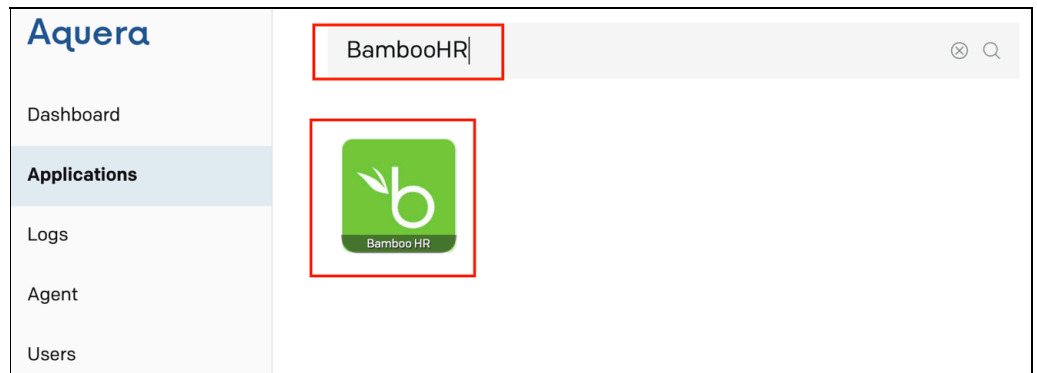
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system from which the user data has to be retrieved and sent to CyberArk Identity.

1. Log in to the Aquera Admin App.
2. Navigate to **Applications** and click on **Add Application**.
3. Search for *BambooHR* and click on the *BambooHR* icon.



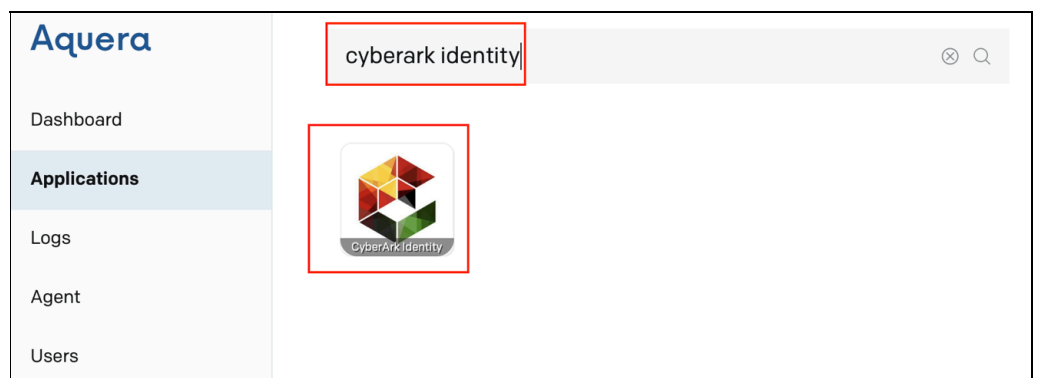
4. Configure the BambooHR application as explained in the [BambooHR Configuration Guide](#). If you are using a different HR system, refer to the corresponding configuration guide.

The source application is created in the Admin application.

Configuring the Target Application

This section describes how to configure the CyberArk Identity services system, which is the target system to which the user data has to be sent.

1. Log in to the Aquera Admin App.
2. Navigate to **Applications** and click on **Add Application**.
3. Search for *CyberArk Identity* and click on the CyberArk Identity icon.



4. Configure the CyberArk Identity application. For detail information on CyberArk Identity application configuration, refer to the [CyberArk Identity Configuration Guide](#).

5. Click **Create** to create the application.

The target application is created in the Admin App.

Creating the Orchestration

This section describes the basic steps to configure *Scheduled* (periodic) orchestration to send the user data from BambooHR to CyberArk Identity. The user data is sent automatically from the HR system to CyberArk Identity as per the frequency set in the orchestration schedule.

1. Log in to the Aquera Admin App.
2. Navigate to **Orchestrations** and click on **Create Orchestration**.
3. Configure the following details.

- Enter a **Name** for the orchestration, for example, *BambooHR_CyberArk*
- Select the **Orchestration Type** as *ScheduledSync (ScimToScim)*. The SCIM

gateway manages connections between the source and target systems.

- Select *BambooHR* as the *Source Application*. The name configured for the application in the [Configuring the Source Application in Admin](#) section is displayed here.
- Select *CyberArk Identity* as the *Target Application*. The name configured for the application in the [Configuring the Target Application in Admin](#) section is displayed here.

NOTE: It is recommended to select the **Report Only** mode when orchestration is run for the first time to identify any issues.

Add Orchestration

Configuration | Attribute Map | Tables | Group Rules | Schedule

Target Application
CyberArk Identity

☒ Report Only ?

Update Limit
1

Admin Email List

Match Expression
SOURCE[ENT].employeeNumber == DEST[ENT].employeeNumber

☐ Incremental Mode ?

Import Limit
unlimited

Source SCIM Filter

create_condition
SOURCE.active

4. Click the **Attribute Map** tab to see how the attributes from the source system are mapped to those in the target system. Make mapping changes, as required.

Orchestration / 1

Add Orchestration

Configuration | **Attribute Map** | Tables | Group Rules | Schedule

SCIM Map Search Attribute 3

SOURCE **BambooHR App** Enter an id or userName...

TARGET **CyberArk Identity**

SOURCE ATTRIBUTE/EXPRESSION		TARGET ATTRIBUTE	TYPE
SOURCE.name.givenName	⇒	name.givenName	string
Enter Attribute	⇒	phoneNumbers[fax].display	string
SOURCE.phoneNumbers[fax].primary	⇒	phoneNumbers[fax].primary	bool...
SOURCE.phoneNumbers[fax].value	⇒	phoneNumbers[fax].value	string
Enter Attribute	⇒	phoneNumbers[home].dis...	string
SOURCE.phoneNumbers[home].primary	⇒	phoneNumbers[home].pri...	bool...
SOURCE.phoneNumbers[home].value	⇒	phoneNumbers[home].value	string

5. Click the **Schedule** tab to set the frequency by which the orchestration must run automatically.

Configuration | Attribute Map | Tables | Group Rules | **Schedule**

Schedule +

Never

15 minutes

30 minutes

1 hour

4 hours

6. Click **Create** to create the orchestration.

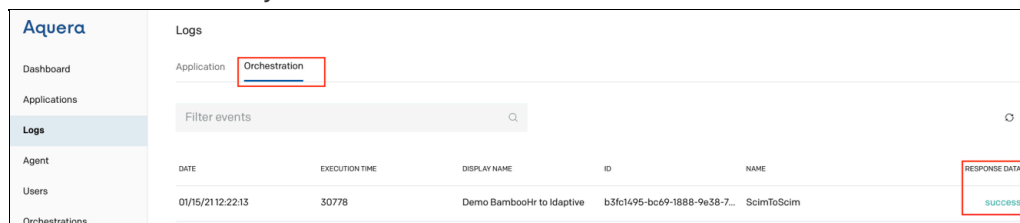
Orchestration

Search orchestrations Q

NAME	TYPE
ADP_WFNow_AD	Schedule
BambooHR WH Script Orch	Event
BambooHR_CyberArk	Schedule

7. Click the *Execute* icon next to the orchestration name to run the orchestration for the first time. The next orchestration runs as per the schedule set by you or you can manually execute it by clicking this icon.
8. After the orchestration is run, navigate to the **Logs** screen and verify the

orchestration logs to see if the BambooHR to CyberArk Identity orchestration was run successfully.



The screenshot shows the Aquera interface with the 'Logs' section selected. The 'Application' filter is set to 'Orchestration'. A table of log entries is displayed, with the first entry highlighted. The 'RESPONSE DATA' column for this entry shows 'SUCCESS'.

DATE	EXECUTION TIME	DISPLAY NAME	ID	NAME	RESPONSE DATA
01/15/21 12:22:13	30778	Demo BambooHR to Idaptive	b3fc1495-bc69-1888-9e38-7...	ScimToScim	SUCCESS

- If the orchestration is successful, all the user records from the HR system are imported to CyberArk Identity. If there are any errors, verify the details by clicking on the log record. If the error is related to attributes, verify and correct the attribute mapping in the orchestration.

For detail information on Orchestration setup, refer to the [Building Orchestration - Guides](#) and the related articles.

The orchestration from the HR system to CyberArk Identity is complete. Refer to the [Provisioning from CyberArk Identity Using SCIM Gateway User Guide](#) for information on the procedures to be followed for user provisioning from CyberArk Identity to a downstream application using the Aquera connector.



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