



Batch Provisioning

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Managing Batch Projects

Batch Provisioning support is provided for all the devices of Unified Communications Manager, Unity Connection, Unity, Presence Processor, Unity Express, Call Manager Express, and Generic IOS Router. Users with the Administration role can provision devices using batch provisioning.

Sample batch files for all devices are available in the `opt/cupm/sep/ipt/config/sample/batchProvisioning` directory.

After you create a batch action file, you must create the batch project that it belongs to. When you upload a batch action file, its contents are converted to batch actions, and the columns that are common to all batch actions in the batch action file are displayed.

You must upload batch action files in the correct order according to any dependencies that exist between the batch actions

To create a batch project:

Procedure

- Step 1** Choose **Advanced Provisioning > Batch Provisioning**.
 - Step 2** Click **Add** to create a new project.
 - Step 3** In the **New Batch Project** window, enter the name and description and click **Add**.
 - Step 4** In the **Configure a Batch Project** screen that appears after you choose the batch project, click **Add Batch Actions** to add batch action.
 - Step 5** In the **Add Batch Actions** page, select the appropriate File Name and Click **Add to Project**.
 - Step 6** You can do one or more of the following:
 - Run the batch project immediately, or schedule it to run later. See the table below for editing, copying, deleting, canceling, exporting and other operations on Batch Projects.
 - Schedule the batch project to be run later.
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You can delete the batch projects or batch actions that you no longer require. To delete a batch project or a batch action, select the project or batch action and click **Delete**.

You can resume operation of a batch project which is in Paused state. Click the Resume icon to do so.

Click the **Batch Help** icon at the top right corner of the Batch Provisioning page. The Batch Action Help link opened in a new tab displays a table of all the batch actions along with the attributes and description for different services.

Table 1: Managing Batch Projects

Batch Operation	Procedure
To run a batch project immediately	<ol style="list-style-type: none"> 1 Choose a batch project in All Projects pane. 2 In the Configure a Batch Project page, click Run Now.
To schedule or reschedule a batch project	<ol style="list-style-type: none"> 1 Choose a batch project in All Projects pane. 2 In the Configure a Batch Project page, click the Calendar icon. Specify a date and time in the calendar dialog box that appears and click OK. 3 Click Yes in the confirmation message box to schedule or reschedule the batch project as appropriate. Note Batch projects created for infrastructure configuration cannot be restarted if there is a failure. 4 Click Run Now to execute the batch project.
To cancel a scheduled batch project	<ol style="list-style-type: none"> 1 Choose a batch project in All Projects pane. 2 In the Configure a Batch Project page, click the Clear button next to the Calendar icon. 3 Click Yes to confirm. <p>You can cancel a scheduled batch project provided that it has not started processing.</p>

Batch Operation	Procedure
To stop a batch project	<p>You can stop a batch project which is in Paused state and In Progress state. To do this:</p> <ol style="list-style-type: none"> 1 Choose the suitable batch project in All Projects pane and check its status. 2 In the Configure a Batch Project page, click Stop to stop the batch project.
To view the batch action details	<ol style="list-style-type: none"> 1 Choose a batch project in All Projects pane. 2 In the Configure a Batch Project page, hover over Quick View of a batch action to view the details. <p>The Batch Action Details pane displays all the configured information for the batch project action, including the status and log.</p> <p>In Batch Provisioning, during endpoint order, users with any user role can add a new endpoint. Even a pseudo user can add an endpoint.</p>
To edit a batch project and a batch action file	<p>To edit a batch project:</p> <ol style="list-style-type: none"> 1 Click All Projects. 2 Select the batch project from the list displayed on the right side of the screen and click Edit. 3 In the Configure a Batch Project window, click Add Batch Actions. Select a batch action file and click Add to Project. The new batch action file is added to the selected batch projects. <p>To edit a batch action file:</p> <ol style="list-style-type: none"> 1 Select the suitable batch project in All Projects pane. 2 In the Configure a Batch Project window, select the Action required and click Edit. 3 In the Edit Batch Action window, click Add New Attribute to add a new attribute to the action file or click the Edit icon to edit the value of any existing attribute. Click Save. <p>Note Only one batch action can be edited at a time.</p>

Batch Operation	Procedure
To copy a batch project along with the batch actions	<p>To copy a batch project:</p> <ol style="list-style-type: none"> 1 Select the batch project and click Copy to copy a batch project along with the batch action. 2 In the Copy Batch Project window, enter the description and rename the auto-populated batch project name, if required, and click Add. A copy of an existing batch project along with the batch action files is created with the status showing "Not Scheduled" for batch project and "Not Started" for batch action. <p>To copy a batch action:</p> <ol style="list-style-type: none"> 1 Select the batch actions and click the expand icon in the right pane. 2 Click Copy Action(s).
To export a batch project	<ol style="list-style-type: none"> 1 Click All Projects and choose a batch project in the right pane. 2 Click the expand icon in the right pane and click Export. All the batch actions of the selected project is copied to a text file. <p>Note Only one project can be exported at a time.</p>
To view the current status of a batch project	<p>In the Configure a Batch Project page, the Batch Project Actions pane displays the status of each batch action project.</p> <p>To view the orders that are in a specific state (for example, In Progress or Completed state), choose the batch project and select the filter in the Batch Project Actions pane.</p> <p>After a batch project has completed, you can also check the user records of the users to verify that orders have been processed.</p> <p>To see details of a single running order within a batch project, administrators can also use My Activities (Choose Activities > My Activities) to view each order as it is executed in the workflow.</p>

Troubleshooting

Issue

If all the buttons are disabled in the **Configure a Batch Project** page, the Batch Project might be in one of the following states:

- In Progress
- Stopped
- Paused

Recommended Action

If the Batch Project is:

- In Progress: Wait till the project gets completed.
- Stopped: Create a new Batch Project or copy the stopped batch project to proceed.
- Paused: Either stop or resume the paused batch project.

Issue

You will not be able to edit a batch action if it is completed or failed.

Recommended Action

You can copy and then edit the batch action.

