Arrow Connect Device Management - Firmware Management Guide

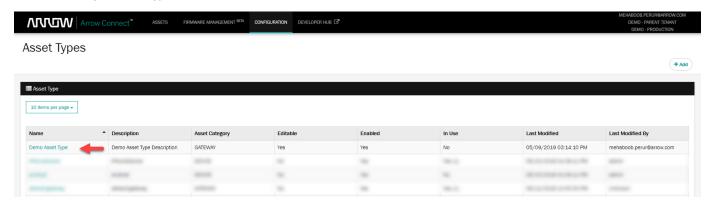
Introduction

Arrow Connect Firmware Management provides flexible and secure firmware management that can be used by both OEMs and Enterprise customers alike. It is fully integrated with Arrow Connect multi-tenancy and hierarchy enabling fine-grained device management and control.

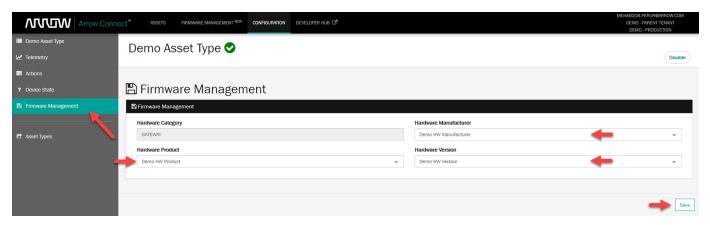
Let's take a look at how to create a firmware Schedule update job. Before that, first, we need to set the hardware Product mapping under Asset Type.

Firmware Management - Asset Type Mapping

- Go to the Arrow Connect Device Management Home Page and Click on Configuration Asset Types
- · Click on your Asset Type.

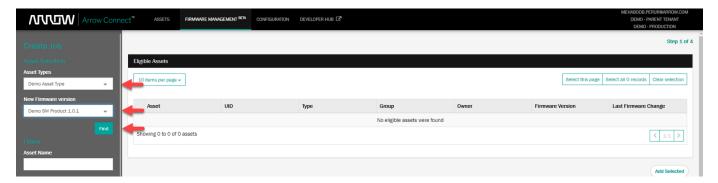


 Click on Firmware Management menu link on the left side panel and select appropriate Hardware Manufaturer, Product & Version and then Click on Save button

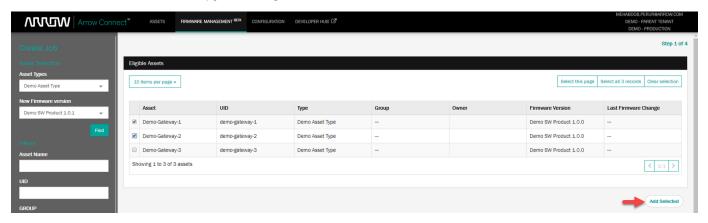


Firmware Management - Schedule Update

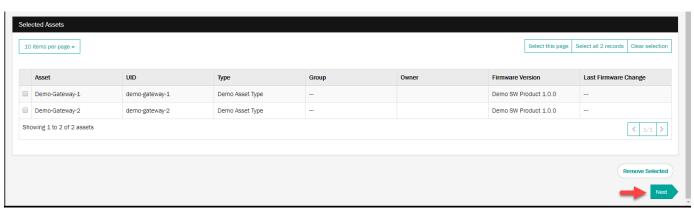
- · Go to the Arrow Connect Device Management Home Page and Click on Firmware Management Schedule Update
- Select Asset Type and targeted New Firmware Version, then click on Find button



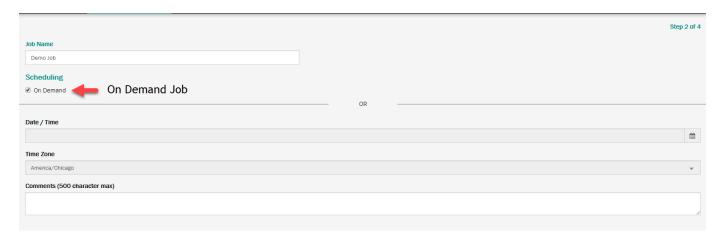
· Check assets which need to be upgraded in Eligible Assets section and Click Add Selected



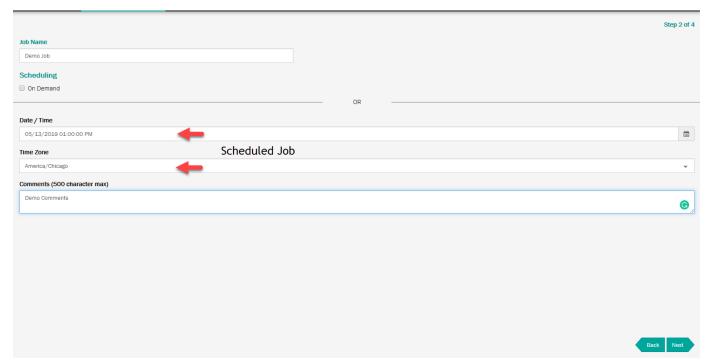
· Review added assets in the Selected Assets section and click on Next button



• Enter Job Name and select **On Demand** checkbox if the job needs to be run on demand or select schedule by selecting appropriate **Date**/Time and Time Zone, and enter Comments. Click on Next button



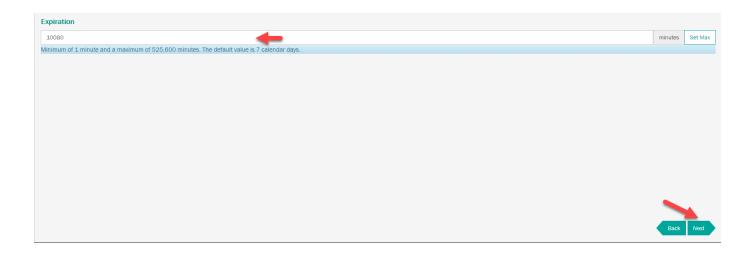
(Or)



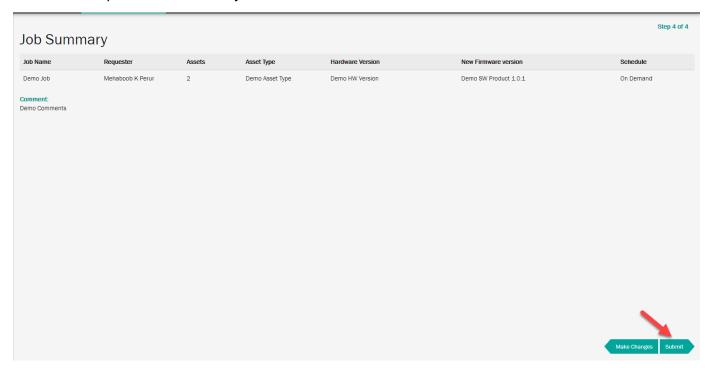
- Select Notifications and enter Email address to receive it.
 - Send When Submitted An email notification will be sent to the provided email address when the job is submitted.
 - Send When Started An email notification will be sent to the provided email address when the job is started.
 - Send When Completed An email notification will be sent to the provided email address when the job is completed.



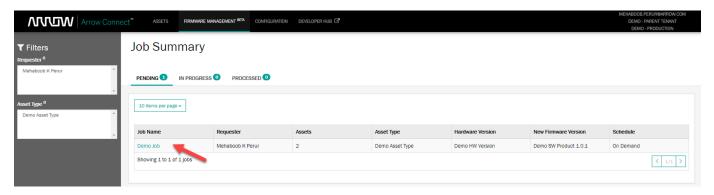
- · Enter desired job Expiration minutes or click Set Max button for maximum expiration minutes and Click Next button
 - Minimum expiration minutes requires is 1 minute and the maximum is 525,600 minutes.
 - The default value is 10080 minutes



• Review the job details in Job Summary screen and click Submit button

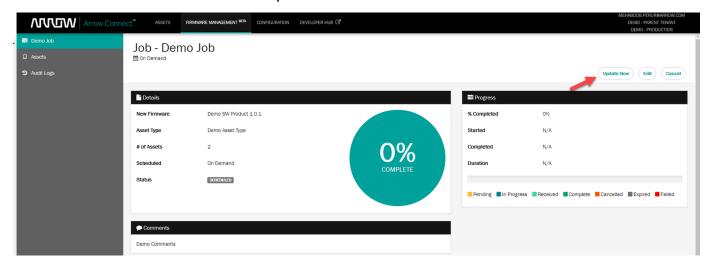


• Once the job is submitted, it will be listed in the Job Summary screen under **PENDING** tab.



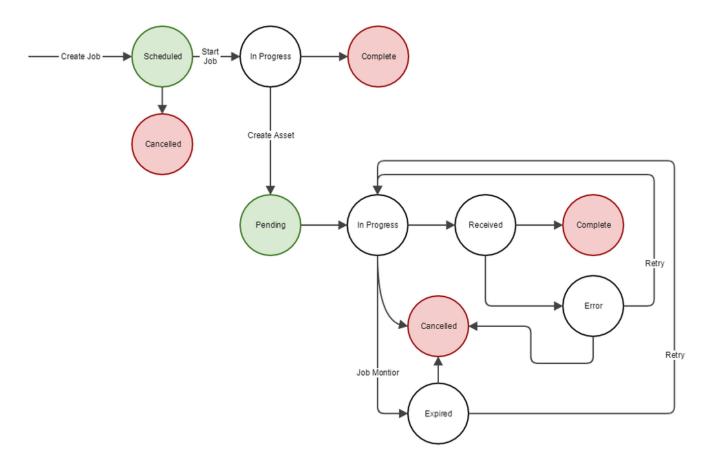
• If it is a scheduled job, it will be get started automatically and move to IN PROGRESS tab here or If it is an On Demand job, then we

have click on the Job Name and then click on Update Now button.

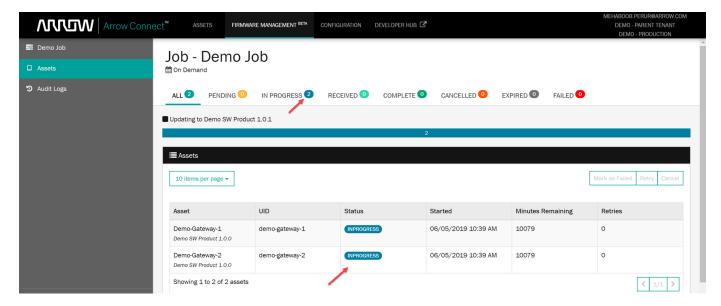


- Once the Update Now button, assets move through different states until it ends up in Final status as Completed or Cancelled.
- Job details and Progress is shown on this screen.
- Below flow diagram will give more understanding of Firmware Management job flow.

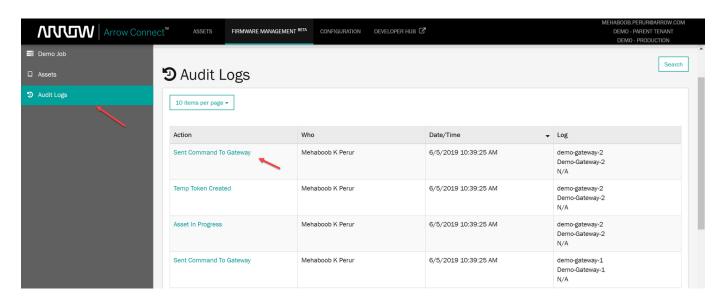
Firmware Management Job and Asset transactions - State Diagram:



• Click on **Asset** tab to see the status on each asset transaction in the job. Each status tab will show the transactions in that respective status and number of transactions in that tab is shown beside the status tab name.



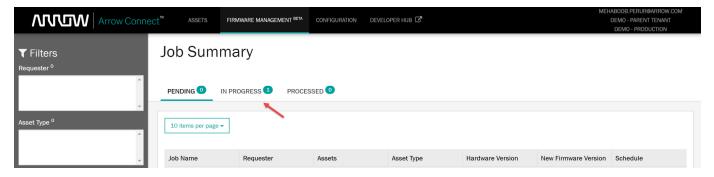
· Click on Audit Logs tab to see the different operations performed on Assets involved in the Firmware upgrade job.



Firmware Management - Job Summary

Job Summary screen displays all firmware upgrade jobs in different tabs such as **PENDING**, **IN PROGRESS** and **PROCESSED** depending on the status of the job.

- · All scheduled jobs or On-demand jobs which are not started yet will be displayed in the PENDING tab.
- When a job is started and in progress then it will be displayed in the IN PROGRESS tab.
- All completed jobs will be displayed in the **PROCESSED** tab.
- · User can filter the jobs in each with Requester and Asset Type filters available on the left panel in Job summary screen.



Firmware Management - Available Updates

Available updates screen displays all the assets in the application instance which are eligible for updates. Available Firmware Versions column shows that list of firmware versions with a hyperlink and when a user clicks then the user will be redirected to Schedule update screen with all the eligible assets prefiltered for the firmware version.

