EMC M&R Generic SNMP collector – Collection and report generation
Dell EqualLogic

This document covers how to use the pre-created Masks and Reports for EqualLogic in EMC SRM.

The document is divided into six different steps that are involved in the process.

1. Load third-party MIB definitions into EMC M&R

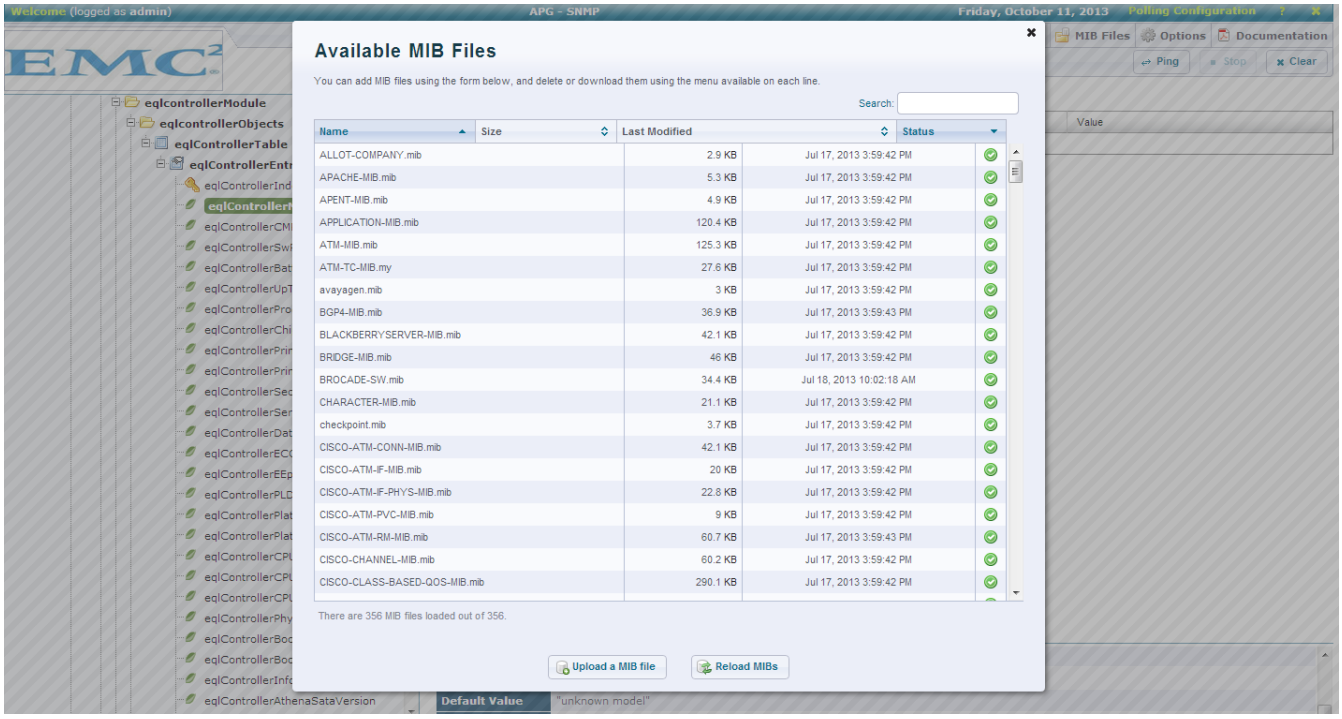
In order to be able to query the third party system, we need to load the SNMP MIB definitions published by the vendor. If these are not available from the system itself, a good place to find these definitions is http://mibdepot.com

Option 1, Once we have the MIB files, we go into W4N:

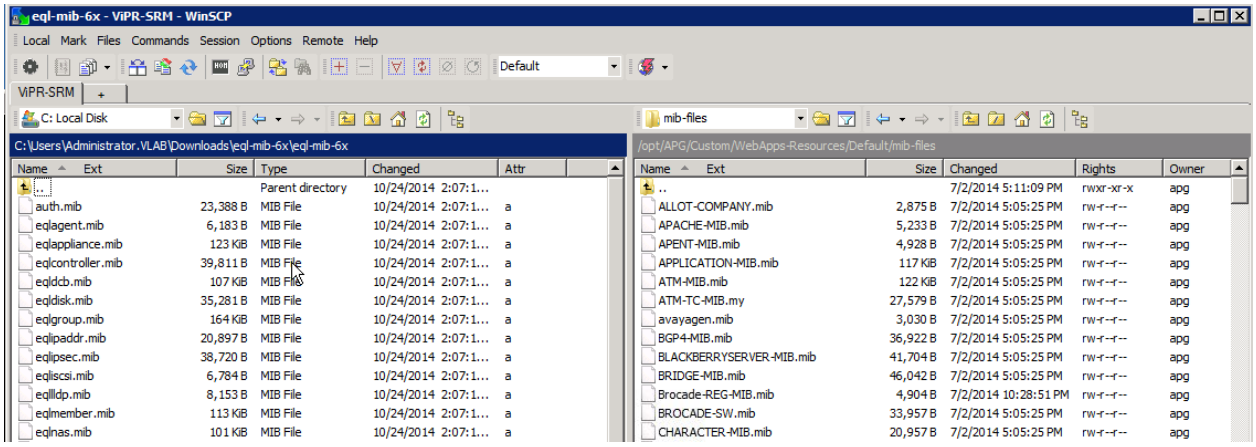
- Navigate to Administration -> Modules -> MIB Browser

- Click MIB Files on the top right corner

- Upload all EQL MIB files one by one



Option 2, you can copy the MIB files as a group on to the server.. Use WinSCP or a similar tool to copy all of the Equallogic MIB files into the /opt/APG/Custom/WebApps-Resources/Default/mib-files folder on the SRM Frontend server.



Once the files are copied go back to the MIB File UI in the SRM UI.

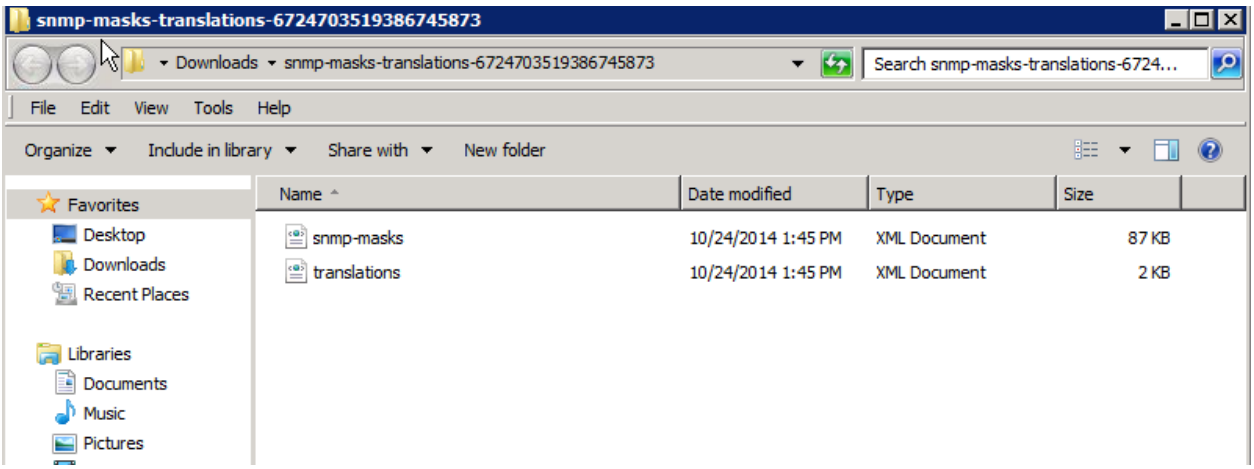
- Navigate to Administration -> Modules -> MIB Browser

- Click MIB Files on the top right corner

Click on Reload MIBs 

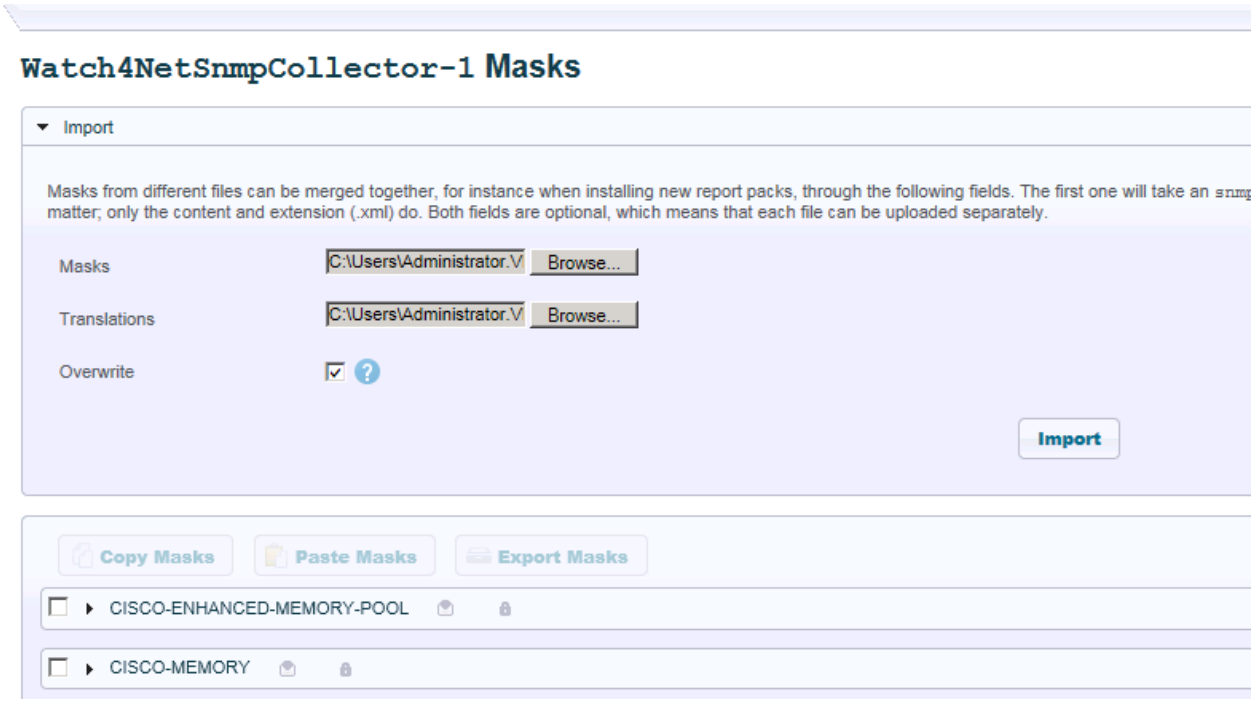
2. Import Masks and Translations

First, Extract the snmp-masks-translations-xxx.zip file.



Access the ***SNMP Collector*** module in ***Administration***, expand **Collectors**->***<collectorname>*** and click on ***Masks***.

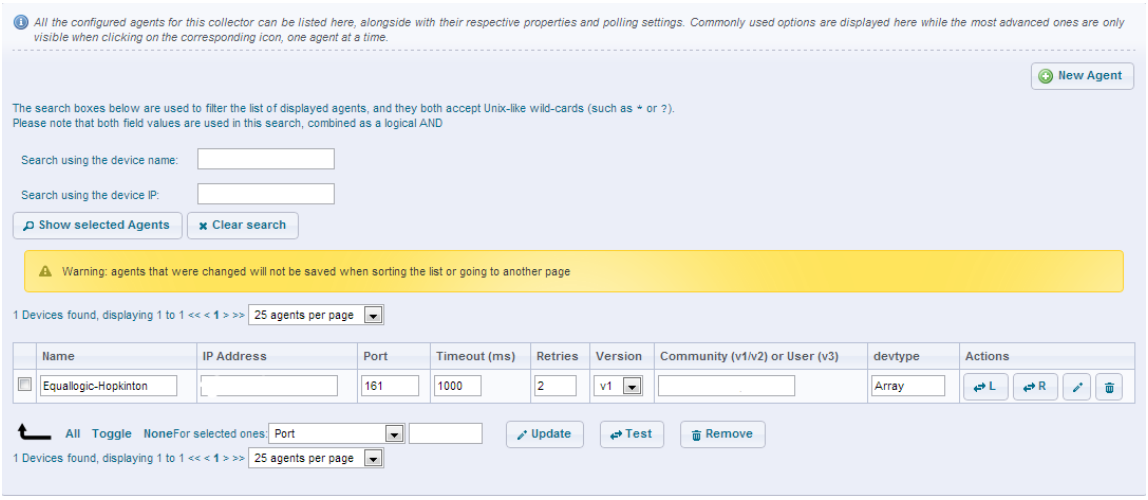
Expand ***Import*** and select the snmp-masks.xml and translations.xml files you extracted.



Click ***Import*** and ensure the import job is successful

3. Create Agent

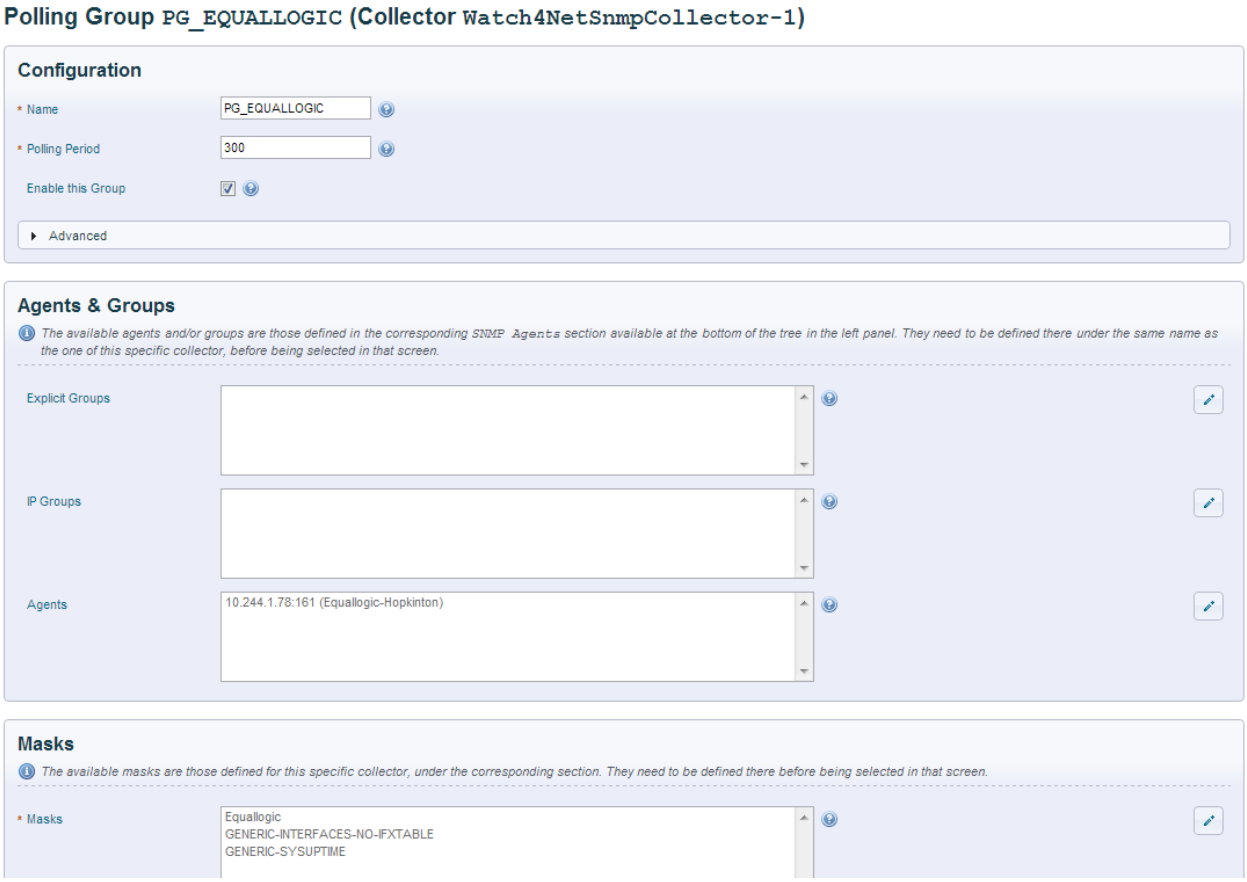
We will now create the agent for the device we want to poll. Expand Agents, your collector name and click on Agents. Click on "New Agent" and specify the values for your device:



4. Create Polling Group

Now go back to Polling Groups and create a new one. In this case PG_EQUALLOGIC. Select the same Polling Period, Refresh Property Time and Group.

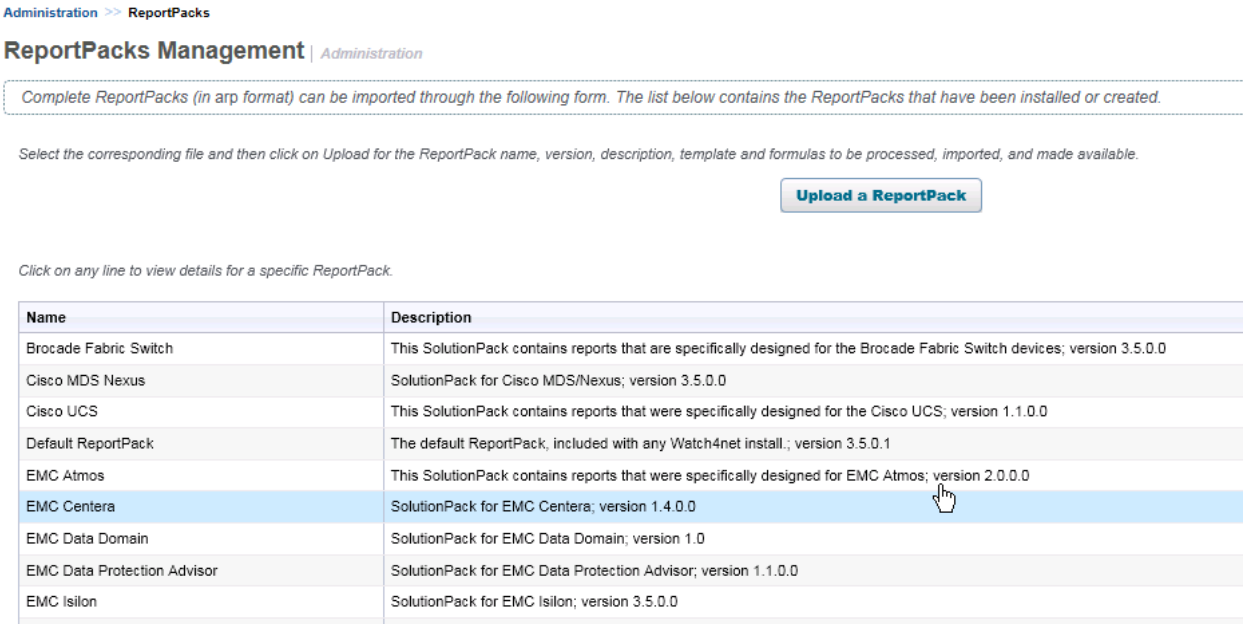
Select the Polling Group you just created from the left tree. Here you have to select the Agent you just created and select the SNMP masks that apply to this device:



We are now ready to restart the SNMP collector and wait for the data to come in. Wait at least 10 minutes so two collection jobs can run completely.

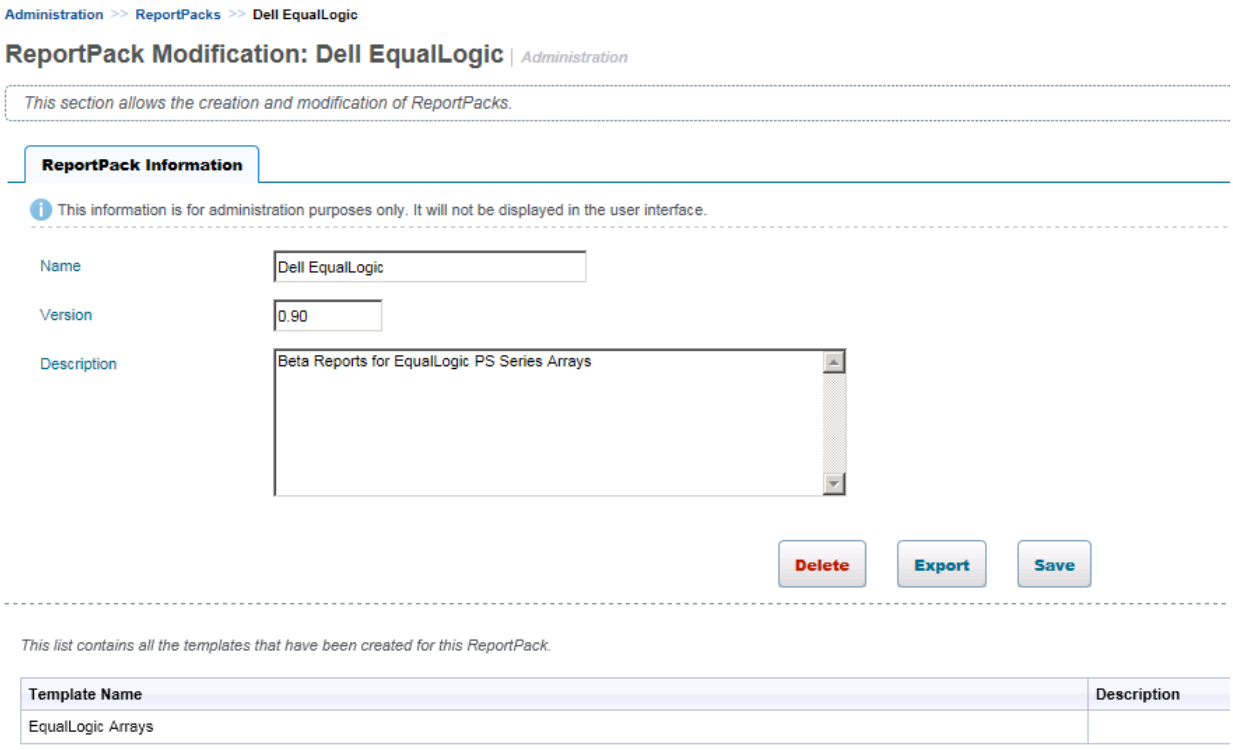
5. Import the reports

In the Administration UI, click on ReportPacks and select Upload a ReportPack

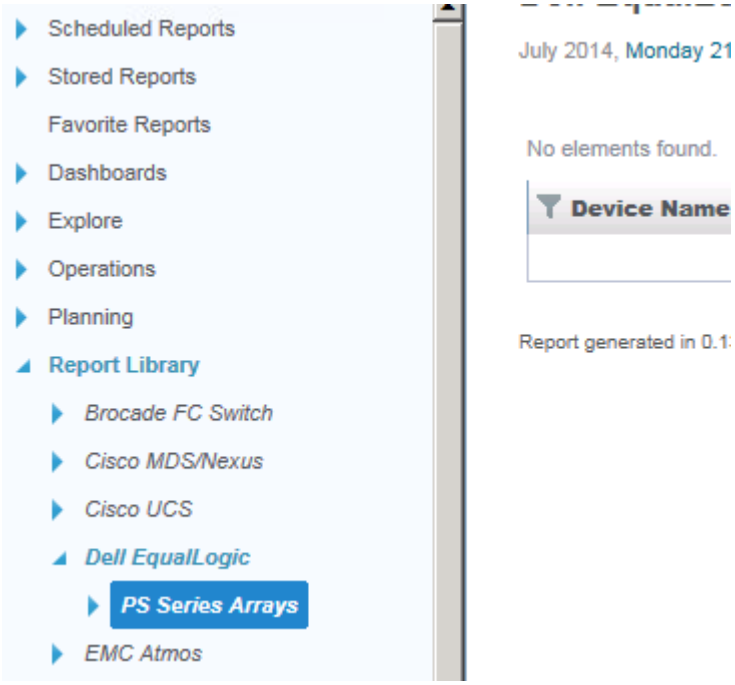


Select the Dell Equallogic.arp file and click OK

After upload you should see these details for the ReportPack



In the Reporting UI, you will now see the Dell EqualLogic reports under Report Library



Allow the data to be collected via SNMP and the report should start populating