

Cisco MDS/Nexus
Last update 12/11/2013

Device Discovery configuration:

Every Cisco MDS/Nexus switch must be discovered and the “devtype” attribute must be set to “FabricSwitch”. Most switches should have this information discovered automatically. However, if your switch is not discovered with “devtype” equal to “FabricSwitch”, this will result having your switch not represented under the SolutionPack reports.

If your switch is not properly discovered, open the Device Discovery GUI

(http://yourserver_ip:58080/device-discovery/), and edit your device settings.

For example:

The screenshot shows the 'Device Discovery - EMC Watch4net' interface. On the left is a sidebar with a 'Your Company Logo' and a 'Devices' section containing links to Dashboard, Capability Discoverers, Collectors, Device Sources, and Devices. The main area shows a 'New Device' modal window with the 'Main parameters' tab selected. The modal contains the following fields:

Field	Value
Name	test
Device Type	FabricSwitch
Host (IP Address or host name)	1.1.1.1
Timeout	1000
Number of retries	2
Import Priority	50
Polling period	0

At the bottom of the modal are 'Cancel' and 'Save' buttons.

Capabilities:

You can safely exclude the “GENERIC-INTERFACES” capability on your Cisco MDS/Nexus switches. This capability is not used for the SolutionPack, and thus will result in more polling.

To exclude the capability, edit your SNMP agent settings (under Devices), and exclude it. For example:

CISCO-MDS-NEXUS-PROCESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CISCO-MDS-NEXUS-VSAN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CISCO-MDS-NS-DM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CISCO-MEMORY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CISCO-MEMORY-OLD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CISCO-PROCESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CISCO-PROCESS-POST12.2(3.5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EXTREME-NETWORKS-CPU-MEMORY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FOUNDRY-PROCESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GENERIC-HOST-RESOURCES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GENERIC-INTERFACES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>