

Software Conformance


Software Conformance

- To access the software conformance function, click Conformance in the main menu bar.
- This function allows users to create software profiles and assign software profiles to hosts. Software profiles can be used to generate a conformance report, where CSM Server compares packages on a host to packages listed in the software profile.
- The Conformance report contains individual device conformance statuses and indicates which software packages, if any, are missing on those devices.

Conformance Reports

Software Profiles

Create ▾

Action  ▾

Previously Run Reports

04/10/2017 06:37 PM - My Profile 2 ▾

Make Conform

Export

Re-Run

Run Report

Results:

Create Software Profile

Create Software Profile


Profile Name


5.3.0 Baseline Packages

Description

For 5.3.0 Release

Select From

 Server Repository

 CCO

Software Packages

asr9k-fpd-px-5.3.0.pie
asr9k-mcast-px-5.3.0.pie
asr9k-mgbl-px-5.3.0.pie
asr9k-mini-px-5.3.0.pie
asr9k-mpls-px-5.3.0.pie

Validate

Save

Cancel

- From the Create tab, click Software Profile.
- Select software packages either from a server repository or directly from CCO. They can also be entered by manual typing in the textbox.
- The software packages will be used to match against devices' software packages.
- Click Validate to resolve missing pre-requisites or superseded SMUs/SPs.
- The newly created software profile will be displayed on the Software Profiles tab.

Assign Software Profile to Hosts

Assign Software Profile to Hosts

SELECT SOFTWARE PROFILE SELECT HOSTS

Software Profile: 5.3.3 Profile

Search:

Software Packages

asr9k-px-5.3.3.CSCux53896.pie
asr9k-px-5.3.3.CSCuy63501.pie
asr9k-px-5.3.3.CSCuz70142.pie

Showing 1 to 3 of 3 entries

1

Assign Software Profile to Hosts

SELECT SOFTWARE PROFILE SELECT HOSTS

Use the filters below to select hosts

Platform: ASR9K

Software Version: 5.3.3

Region:

Role:

Previous Finish

- Click the Action button and select Assign Software Profile to Hosts.
- **Select Software Profile**
 - Select a software profile that should be assigned to selected hosts.
- **Select Hosts**
 - Select hosts based on the available filters such as Platform, Software Version, Region, and Role.
 - Upon clicking Finish, CSM Server will display a confirmation dialog. Click OK to assign the selected software profile to hosts that satisfy the selected criteria.

View Software Profile Assignments

Software Profile 5.3.3 Profile X

10 records per page Search:

Hostname	Region	Roles	Chassis	Platform	Software	Action
corfu	Brussels Lab		ASR-9904	ASR9K	5.3.3	Remove
R2	My Region		ASR-9006	ASR9K	5.3.3	Remove
R3	My Region		ASR-9006	ASR9K	5.3.3	Remove

Showing 1 to 3 of 3 entries

[← Previous](#) **1** [Next →](#)

- Click the Action button, select View Software Profile Assignments.
- CSM Server will display all the hosts that are assigned to the selected software profile.
- Click Remove to remove the software profile assignment.

Run/Re-Run Report

- From the Conformance Report tab, click the Run Report button.
- The Conformance Report Wizard will prompt for the software profile and matching criteria.
- Click Next to select the devices to match against the select software profile.
- Click the Re-Run button to re-run a report with the same selected devices.

The screenshot shows the 'Conformance Report' wizard in the 'GENERAL' tab. It features a 'Software Profile' dropdown set to '5.3.0 PE Devices'. Below this, there are two sections: 'Match Criteria' with two radio buttons (the second is selected) and 'Host Selection Criteria' with two radio buttons (the second is selected). A 'Next' button is at the bottom right.

Conformance Report

GENERAL SELECT HOSTS

Software Profile 5.3.0 PE Devices

Match Criteria

- ☐ Software packages that are in inactive state
- ☒ Software packages that are in active state

Host Selection Criteria

- ☐ Select all hosts that match the selected software profile
- ☒ Select hosts manually

Next

The screenshot shows the 'Conformance Report' wizard in the 'SELECT HOSTS' tab. It includes filters for 'Platform' (ASR9K), 'Software Version' (5.3.3), 'Region', and 'Role'. A 'Retrieve' button is next to the 'Role' field. Below, there are two lists: 'Available Hosts' (showing 3) and 'Selected Hosts' (showing 1). The 'Available Hosts' list contains 'Alex Host' with details 'corfu.cisco.com' and 'east-pe-asr9k-3'. The 'Selected Hosts' list contains 'R2'. Navigation buttons 'Previous' and 'Finish' are at the bottom.

Conformance Report

GENERAL SELECT HOSTS

Platform ASR9K

Software Version 5.3.3

Region

Role Retrieve

Available Hosts - showing 3

Filter

Alex Host
corfu.cisco.com
east-pe-asr9k-3

Selected Hosts - showing 1

Filter

R2

Previous Finish

Conformance Report tab

Conformance Reports

Software Profiles

Create ▾

Previously Run Reports

2017-03-06 11:55:18 - 5.3.0 PE Devices ▾

Export

Re-Run

Run Report

Results:

View Software Profile Used ▾

Summary

Total Hosts: 1

Match Criteria: Active Packages

1 host is not in complete conformance (see the 'Missing Packages' column).

100 ▾ records per page

Search:

Hostname ▴	Platform ▴	Software ▴	Active Packages	Missing Packages	Is Conformed ▴	Action
R2	ASR9K	5.3.3	asr9k-doc-px-5.3.3 asr9k-fpd-px-5.3.3 asr9k-k9sec-px-5.3.3 asr9k-li-px-5.3.3 asr9k-mcast-px-5.3.3 asr9k-mgbl-px-5.3.3 asr9k-mini-px-5.3.3 asr9k-mpls-px-5.3.3	asr9k-px-5.3.0.CSCur01572.pie asr9k-px-5.3.0.CSCur83427.pie asr9k-px-5.3.0.CSCus17352.pie asr9k-px-5.3.0.CSCus20753.pie asr9k-px-5.3.0.CSCus38150.pie asr9k-px-5.3.0.CSCus61863.pie asr9k-px-5.3.0.CSCus75097.pie asr9k-px-5.3.0.CSCus77635.pie asr9k-px-5.3.0.CSCus91908.pie	No (10h 50m 38s ago)	Make Conform

ormance/#

- By default, the Conformance Report tab displays the latest run report.
- Up to 10 conformance reports are stored in the database. The earliest report will be purged to make room for a new report if the maximum is reached.
- Click the View Software Profile Used button to see the software packages defined in the software profile.
- Click the Make Conform button to install missing packages onto the device.

Conformance Report – Batch Make Conform

- The Batch Make Conform Dialog can be invoked by clicking the Make Conform button next to the Export button. It can be used to create installation jobs on multiple non-conforming hosts.

Batch Make Conform

SELECT HOSTS

SELECT INSTALL ACTION

Available Non-Conforming-Hosts -
showing 2

RJ|

RJIL-AG2-1
RJIL-AG2-2

≡ >

>

<

< ≡

Selected Non-Conforming-Hosts -
showing 2

Filter

corfu.cisco.com
east-pe-asr9k-3

Next

Previous

Finish

Batch Make Conform

SELECT HOSTS

SELECT INSTALL ACTION

Install Action

✕ Add

Server Repository:

Scheduled Time

04/13/2017 05:32 PM

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Conformance Report – Make Conform

x


Make Conform: R2

Install Action

✕ Add

Software Packages

asr9k-px-5.3.3.CSCux60676.pie
asr9k-px-5.3.3.CSCvb22879.pie
asr9k-px-5.3.3.CSCvc37611.pie

Server Repository: TME FTP 
Server Directory: 5.1.1.50U

Scheduled Time

04/13/2017 05:32 PM

Schedule

Cancel

- The Make Conform Dialog can be invoked by clicking the Make Conform button on each conformance report row. It provides a means to easily install the missing packages onto a device as indicated on the conformance report.

Export

Software Conformance Report

10/06/2015 04:38 PM

Summary:

Total Hosts: 6

Match Criteria: Active Packages

Results:

4 hosts are not in complete conformance (see the 'Missing Packages' column)

1 hosts failed last software inventory retrieval (see '*' in the 'Conformed' column)

Software Profile: 5.3.0 Baseline Packages

asr9k-fpd-px-5.3.0.pie
asr9k-mcast-px-5.3.0.pie
asr9k-mgbl-px-5.3.0.pie
asr9k-mini-px-5.3.0.pie
asr9k-mpls-px-5.3.0.pie

Hostname	Software	Active Packages	Missing Packages	Conformed
ommaurya-IM5455-P2	asr9k-px 5.3.1.19J	asr9k-fpd-px-5.3.1.19J asr9k-mcast-px-5.3.1.19J asr9k-mgbl-px-5.3.1.19J asr9k-mini-px-5.3.1.19J asr9k-mpls-px-5.3.1.19J asr9k-px-5.3.1.19J.CSCus85349-0.0.7.i asr9k-px-5.3.1.19J.CSCus96502-0.0.6.i asr9k-px-5.3.1.19J.CSCus97573-0.0.2.i	asr9k-fpd-px-5.3.0.pie asr9k-mcast-px-5.3.0.pie asr9k-mgbl-px-5.3.0.pie asr9k-mini-px-5.3.0.pie asr9k-mpls-px-5.3.0.pie	No (16h 26m 48s ago)
ommaurya-VKG03-PE1	asr9k-px 5.3.0	asr9k-fpd-px-5.3.0 (matched) asr9k-mcast-px-5.3.0 (matched) asr9k-mgbl-px-5.3.0 (matched) asr9k-mini-px-5.3.0 (matched) asr9k-mpls-px-5.3.0 (matched)		Yes (16h 28m 20s ago)
ommaurya-VKG11-P1	asr9k-px 5.3.0	asr9k-mcast-px-5.3.0 (matched) asr9k-mgbl-px-5.3.0 (matched) asr9k-mini-px-5.3.0 (matched) asr9k-mpls-px-5.3.0 (matched)	asr9k-fpd-px-5.3.0.pie	No (16h 27m 42s ago)
ommaurya-VKG19-CE2	asr9k-px 4.2.1	asr9k-9000v-nV-px-4.2.1 asr9k-mcast-px-4.2.1 asr9k-mgbl-px-4.2.1 asr9k-mini-px-4.2.1 asr9k-mpls-px-4.2.1	asr9k-fpd-px-5.3.0.pie asr9k-mcast-px-5.3.0.pie asr9k-mgbl-px-5.3.0.pie asr9k-mini-px-5.3.0.pie asr9k-mpls-px-5.3.0.pie	No (267d 15h 35m ago) *

- From the Conformance Report tab, click the Export button.
- A Microsoft Excel-compatible file will be generated and downloaded by the browser.
- The Conformed column displays the device conformance status. It also displays the latest software inventory retrieval time. An '*' indicates a failed retrieval.