

# Software Conformance

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- To access the software conformance function, click Conformance on the main menu bar.
- Using this function, the user can create software profiles to match against devices' software and generate a conformance report.
- The Conformance report contains individual device conformance status and indicates which software packages are missing on those devices.



The screenshot displays the software conformance interface. At the top, there are three navigation tabs: 'Conformance Report', 'Software Profiles', and 'Create' with a dropdown arrow. Below this, the 'Previously Run Reports' section features a dropdown menu currently showing '10/06/2015 04:24 PM - 5.3.0 Baseline SMUs'. To the right of the dropdown are three buttons: 'Export', 'Re-Run', and 'Run Report'.

# Create Software Profile

## Create Software Profile

**Profile Name**

**Description**

**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
```

- 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.
- 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- Click Validate to resolve missing pre-requisites or superseded SMUs/SPs.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.

# Conformance Report tab

Conformance Report [Software Profiles](#) [Create](#) ▾

Previously Run Reports: 10/28/2015 04:15 PM - 5.3.0 Baseline SMUs Export Re-Run Run Report

Results:

Software Profile Used ▾

**Summary**  
Total Hosts: 1  
Match Criteria: Active Packages  
1 hosts are not in complete conformance (see the 'Missing Packages' column).

100 ▾ records per page Search:

Hostname	Software	Host Packages	Missing Packages	Is Conformed	Action
ASR9K-PE1-R0	asr9k-px 5.3.1	asr9k-doc-px-5.3.1 asr9k-k9sec-px-5.3.1 asr9k-mcast-px-5.3.1 asr9k-mgbl-px-5.3.1 asr9k-mini-px-5.3.1 asr9k-optic-px-5.3.1	asr9k-px-5.3.0.CSCus17352.pie asr9k-px-5.3.0.CSCut47229.pie asr9k-px-5.3.0.CSCuv51175.pie	No (20d 5h 59m ago)	<span>Make Conform</span>

- 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 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 – Make Conform

- The Make Conform Dialog provides a mean to install the missing packages onto a device as indicated on the conformance report.

Make Conform: BB2

GENERAL SERVER REPOSITORY

Install Action

Software Packages

- 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
- asr9k-px-5.3.0.CSCut01601.pie

Scheduled Time

Next Previous Finish

Make Conform: BB2

GENERAL SERVER REPOSITORY

Skip the server repository selection if there is no Install Add action.

Server Repository

Server Directory

Next Previous Finish

# 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 devices to match against.
- Click the Finish button to generate the report.
- 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. The 'SELECT HOSTS' tab is also visible. The 'Software Profile' dropdown is set to '5.3.0 Baseline SMUs'. Under 'Match Criteria', the radio button for 'Packages that are currently in active state' is selected. A 'Next' button is located at the bottom right.

The screenshot shows the 'Conformance Report' wizard in the 'SELECT HOSTS' tab. The 'Platform' dropdown is set to 'asr9k-px'. The 'Software Version' field contains '4.3.4'. The 'Region' field has two tags: 'ANDHRA PRADESH' and 'ASSAM'. The 'Role' dropdown is set to 'ALL'. A 'Retrieve' button is next to the Role field. Below, there are two empty lists for 'Available Hosts' and 'Selected Hosts', each with a 'Filter' input. Navigation buttons include 'Previous', 'Next', and 'Finish'.

# 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 is 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.