Main Menu Bar

Main Menu Bar

About CSM Server

Install and Download Dashboards

Search for a Host of Interest

Logout

CSM Server | Home | CCO▾ | Dashboards▾ | Conformance | Search a host ▾ | Tools▾ | Help▾

Lookup Software Information

Available Tools
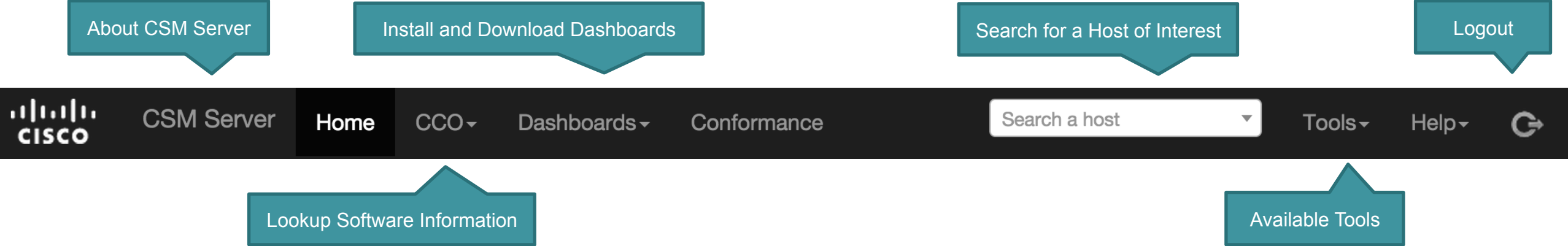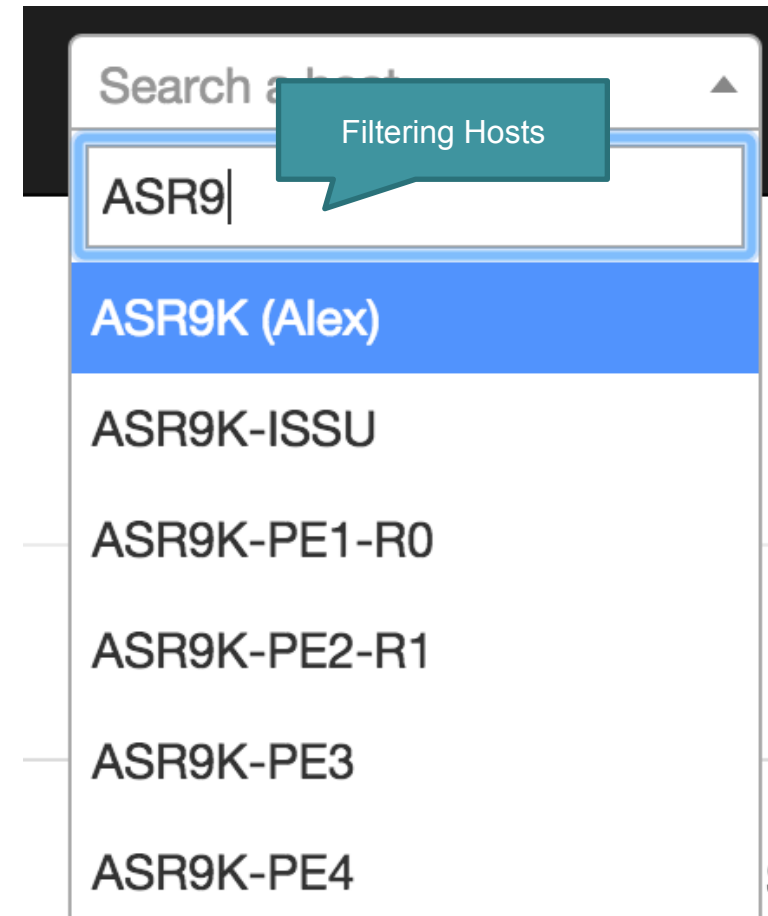
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Navigate Between Hosts

- **Search a host**
  - The Search a host bar provides a quick way to navigate in real-time between managed hosts. When a host is selected, the Host Dashboard is displayed.
  - Further filtering can be done by typing the string matching part of the hostname.

Home

Home

Region: Cisco Telecom West Coast

Display hosts based on the selected region

Filter Hosts by Region ▼

Schedule installation for multiple hosts

🗓 Schedule Batch Installs

CSM Server

Server Time	10/07/2015 03:32 PM
Build Date	09/02/2015
Login User	root
Privilege	Admin

Summary

Total Regions	16
Total Hosts	51

Region Hosts: 11

Platform ▲	Software ▲	Host ▼
asr9k-px	5.1.3	1
asr9k-px	5.3.0	
asr9k-px	5.3.1	2

| Managed Hosts | Jump Servers | Regions | Server Repositories | Create ▾ |

Filter table data

10 ▲▼ records per page

Search: [ ]

Hostname	Region	TS or IP	Platform	Software	Last Successful Retrieval	Action
ASR9K (Alex)	Cisco Telecom West Coast	172.28.98.2	ASR9K	asr9k-px 5.3.1.28I	15h 5m 33s ago	Install
ASR9K-PE1-R0	Cisco Telecom West Coast	172.28.98.4	ASR9K	asr9k-px 5.3.1	5h 38m 57s ago	Install
ASR9K-PE2-R1	Cisco Telecom West Coast	172.28.98.2	ASR9K	asr9k-px 5.3.1.28I	1d 15h 5m ago	Install
ASR9K-PE3	Cisco Telecom West Coast	172.28.98.6	ASR9K			Install
	Cisco Telecom West Coast	172.28.98.3	ASR9K	asr9k-px 5.3.1	4h 39m 48s ago	Install

Edit Host

Red highlight indicates last software retrieval failed

Launch Host Dashboard

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Home Tab Options

Managed Hosts | Jump Servers | Regions | Server Repositories | Create ▾

- **Managed Hosts**
  - Managed hosts are Cisco IOS-XR devices on which scheduling tasks can be performed.
  - Each row represents one Cisco device.

- **Jump Servers (Optional)**
  - A jump server is the server that CSM logs into in order to connect to the managed hosts.
  - Many service provider environments place their devices behind a jump server. CSM first logs into the jump server, then to the router.

- **Regions**
  - A region is mapped to multiple server repositories.
  - All devices from the same region share the same set of TFTP, FTP, SFTP servers.

- **Server Repositories**
  - Where you define the TFTP, FTP, and SFTP server repositories.

- **Create**
  - Where you go to create managed hosts, jump servers, regions, and server repositories.

Create a Server Repository - TFTP

- The TFTP Server Path is a complete TFTP URL which is used by the device to load the software package. It must be reachable by the device.

- The File Directory is a Linux file system path which is used by CSM Server to browse software packages. It is needed because TFTP protocol (i.e. the TFTP Server Path) does not provide directory browsing capability. The File Directory should reference the same location as the TFTP Server.

Edit Server Repository

Server Repository Name	Building 20 TFTP Server
Server Type	TFTP
TFTP Server Path	tftp://223.255.254.254/auto/tftp-gud/sit
VRF	
File Directory (Used by CSM Server)	/auto/tftp-gud/sit

Check Reachability   Save   Cancel

Create a Server Repository – FTP/SFTP

- Specify the FTP/SFTP server address (e.g. ftp.easycgi.com or an IP address). If applicable, specify the remote directory. The remote directory is optional and should be relative to the default directory where FTP/SFTP client first connects.

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Create a Server Repository – LOCAL

- A LOCAL server type indicates that the software packages have already been copied onto a device. The device will use the device path information to activate the software packages.

- CSM Server has no visibility on LOCAL server. When scheduling an install, the software packages will need to be manually entered (i.e. file browsing is not supported).

Create Server Repository

Server Repository Name	Local Device Storage (Disk 0)
Server Type	LOCAL ⬍
Device Path (disk0:, harddisk:)	disk0:/5.3.1
VRF	

Save Cancel

Create a Region

- Specify a unique region name.

- Assign server repositories to the region.

- When creating a new host, a region is attached to the host.

- When scheduling an install, CSM Server uses the host's region to lookup server repositories and provide the file and directory browsing function.

Edit Region

Region Name   Cisco Telecom East Coast

Server Repositories

Available Servers - showing 43

Filter

ACE server
Alberto ftp
Alex TFTP Server
alextang-lnx-v1
alok_tftp
BJ-RP-FTP
Dennis TFTP
Dsegovia Bldg 18
Dsegovia Bldg 20
Eddie SFTP

Selected Servers - showing 2

Filter

Cisco Telecom East Coast TFTP zeppelin-3
Cisco Telecom East Coast TFTP zeppelin-5

Save   Cancel

Create a Jump Server

- Specify a unique jump server name.

- Specify a connection type.

- Specify a sever name or the IP address of the server.

- Specify a telnet or ssh port number.

- Specify a username and password.

- A jump server may be assigned to a managed host if the managed host is behind the jump server.

Create Jump Server

| Jump Server | zeppelin-3 |

Connection Parameters

Connection Type	telnet
Name or IP	zeppelin-3.cisco.com
Port Number	Leave Blank for Default
Username	johnsmith
Password	••••••••••

Check Reachability   Save   Cancel

Create a Host

- Specify a unique host name.

- Select a platform and region for the managed host. Optionally, you may specify the role of the device. This will enable further filtering when creating batch schedule installations.

- If the device is attached to a terminal server, specify the terminal server IP.

- If the device is on the management network, specify the management IP.

- Multiple management IPs (i.e. RSP0 and RSP1) can be entered in the Terminal Server or Mgmt. IP field. Use a comma as the delimiter.

- Multiple terminal server ports can be entered in the Port Number field. Use a comma as the delimiter.

Create Host

Hostname	ASR9K-PE2-R1
Platform	ASR9K
Region	CA-SJ-18-LAB185
Roles	Edge Router

Connection Parameters

Connection Type	telnet
Terminal Server or Mgmt. IP	172.27.82.122
Port Number	Leave Blank for Default
Username	johnsmith
Password	••••••••
Jump Server	None

Check Reachability **Save** Cancel

Connect via Host Console Port

When a host console port is used for the connection, the syslog logging on the console should be disabled. Otherwise, it will interfere with the CSM Server operations when it connects to the device.

- **To disable logging**
  - RP/0/RSP0/CPU0:GW# config
  - RP/0/RSP0/CPU0:GW(config)# logging console disable
  - RP/0/RSP0/CPU0:GW(config)# commit