

Schedule Installation

Available Install Actions

- **Pre-Upgrade**

- Establishes initial device connection.
- Records running software version.
- Records the running configuration and stores it in a file.
- Checks the state of all nodes on the system.
- Verifies server repository reachability.
- Records inactive, active, committed package list.

Optional Plugins:

- Records OSPF and ISIS neighbors.
- Sets ISIS set-overload-bit if ISIS is running.
- Records total number of BGP neighbors.
- Records total number of MPLS LDP neighbors.
- Records total number of PIM neighbors.
- Records total number of HSRP neighbors and states.
- Records total number of VRRP neighbors and states.

- **Install Add**

- Copies software packages to the device.

- **Activate**

- Activates packages on the device.

- **Post-Upgrade**

- Checks node status, standby role status, configuration failure, software package states, etc.
- Verifies error/tracebacks/core files.

- **Commit**

- Executes Install Commit on the device





Available Install Actions - Continue

- **ALL**
 - CSM Server will create Pre-Upgrade, Install Add, Activate, Post-Upgrade, and Commit installation actions with the successor depending on the predecessor. Until the predecessor has executed successfully, the successor will not run.
- **Remove**
 - Remove inactive packages on the device.
- **Deactivate**
 - Deactivate active packages on the device.

Schedule an Install

- Invoked from the Host Dashboard's Action menu.
- Select an install action. Multiple install actions may be selected at once.
- Depending on the selected install action, software packages can be selected from Server Repository, CCO, Inactive Packages, or Install History.
- If a dependency is selected, the scheduled installation will not proceed until the dependency is completed successfully. The dependency can only be specified when only one install action is selected (not available for batch installs).

Schedule Install > Region: Cisco Telecom West Coast > Host: ASR9K-PE1-R0 (ASR9K-PX-5.3.1.20I)

Install Action	<input type="text" value="× Install Add"/>
Select From	 Server Repository  CCO
Software Packages	<div></div>
Scheduled Time	<input type="text" value="05/11/2015 02:10 PM"/> 
Dependency	<input type="text" value="None"/> 

Browse Server Repository


- Invoked by clicking the Server Repository icon on the Schedule Install dialog.
- Select a server repository.
- Use the Server Directory selector to navigate to the desired directory on the server repository. The software packages in the selected directory will be displayed in the dual list box.
- For Software upgrade, enter the target software release and click Auto Select. This will select packages from the Available Packages list box which match the device software packages.

Select Software Packages > Host: ASR9K-PE1-R0 (ASR9K-PX-5.3.1.20I)

Server Repository

Terastream-tme(172.20.168.195)

Server Directory



Target Software Release



Software Upgrade Only (enter X.X.X format)

Auto Select


Available Packages - showing 84


Filter

asr9k-k9sec-px.pie-5.3.0
asr9k-mgbl-px.pie-5.1.3.08I.SIT_IMAGE
asr9k-mini-px.pie
asr9k-mini-px.pie-5.1.0
asr9k-mini-px.vm-4.3.4
asr9k-mpls-px.pie-5.1.0
asr9k-px-4.3.2.sp-1.0.0.pie
asr9k-px-4.3.2.sp3.pie
asr9k-px-4.3.4.CSCum45008.pie
asr9k-px-5.1.0.CSCul19600.pie
asr9k-px-5.1.0.CSCul19600.pie









Selected Packages - showing 0

Filter

Save

Cancel

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Browse CCO

- Invoked by clicking the Browse CCO icon on the Schedule Install dialog.
- Use the Lookup SMUs button to navigate to the desired platform and release.
- Select the server repository where the downloaded SMUs should be stored.
- Select the SMUs or Service Packs of interest.

Lookup SMUs Navigate to Different Platforms and Releases

Server Repository: TeraStream-trm(172.20.168.195)

Server Directory

ASR9K-PX-5.2.2 > SMUs **23** Service Packs **1**

100 records per page

Filter the List by Keywords Search:

	Posted Date	SMU ID	DDTS	Type	Description	Impact	Functional Areas
<input checked="" type="checkbox"/>	04/30/2015	AA09461	CSCut84094	Optional	Umbrella DDTS for CSCuq91944 and CSCur83141	Needs Reboot	IPV6-ND
<input checked="" type="checkbox"/>	04/27/2015	AA09582	CSCus53525	Optional	'show controllers switch data-path statist loc node' resets VSM linecard	Hitless	PARSER
<input type="checkbox"/>	04/27/2015	AA09620	CSCut30719	Optional	DHCPv6 Relay drops relay-reply packets in 6VPE topology	Hitless	DHCPV6

Click to Select

Browse Inactive Packages

- Invoked by clicking the Browse Inactive Pkgs icon on the Schedule Install dialog.
- The Last Successful Retrieval text field displays the elapsed time since the software packages were last successfully retrieved.
- Click the Retrieve Latest Software icon to retrieve latest software.

Select Inactive Software Packages to Activate



Host

ASR9K-PE1-R0

Last Successful Retrieval

2d 14h 46m ago



Available Software-Packages - showing 31

Filter

asr9k-base-5.1.3.sp2-1.0.0
asr9k-bng-px-5.3.1.30I
asr9k-doc-px-5.3.1.30I
asr9k-fpd-px-5.1.3
asr9k-fpd-px-5.3.1.30I
asr9k-fwding-5.1.3.sp1-1.0.0
asr9k-fwding-5.1.3.sp2-1.0.0
asr9k-infra-test-px-5.1.3
asr9k-infra-test-px-5.3.1.30I
asr9k-k9sec-px-5.1.3



Selected Software-Packages - showing 0

Filter

Save

Cancel

Browse Install History

- Invoked by clicking the Browse Install History icon on the Schedule Install dialog.
- Select the packages from one of the successful Install Add operations.

Select from Install History

Host

ASR9K-PE1-R0

100

records per page

Search:

Packages		Installed Time	Installed By
<input type="checkbox"/>	asr9k-bng-px.pie-5.3.1.30I.SIT_IMAGE asr9k-doc-px.pie-5.3.1.30I.SIT_IMAGE asr9k-fpd-px.pie-5.3.1.30I.SIT_IMAGE asr9k-infra-test-px.pie-5.3.1.30I.SIT_IMAGE asr9k-k9sec-px.pie-5.3.1.30I.SIT_IMAGE asr9k-li-px.pie-5.3.1.30I.SIT_IMAGE asr9k-mcast-px.pie-5.3.1.30I.SIT_IMAGE asr9k-mgbl-px.pie-5.3.1.30I.SIT_IMAGE asr9k-mini-px.pie-5.3.1.30I.SIT_IMAGE asr9k-mini-px.vm-5.3.1.30I.SIT_IMAGE asr9k-mpls-px.pie-5.3.1.30I.SIT_IMAGE asr9k-optic-px.pie-5.3.1.30I.SIT_IMAGE	04/29/2015 12:06 PM	root

Showing 1 to 17 of 17 entries

← Previous 1 Next →

Save

Cancel

Schedule Install – Prerequisite Checks

After clicking the Schedule button, CSM Server performs the following functions:

- It checks for missing pre-requisites on selected software packages.
- It determines whether selected software packages are on the server repository. If they are not, CSM Server prompts the user to download them.
- The scheduled install will not proceed at its scheduled time until the software packages are successfully downloaded and copied to the server repository.

Following pre-requisite(s) were not selected, but should be included. ✕

asr9k-px-4.2.3.CSCul52017.pie
asr9k-px-4.2.3.CSCui33805.pie
asr9k-px-4.2.3.CSCum86633.pie

Include Pre-requisites

Ignore

Cancel

Following files are missing on the server repository. Those that are identified as 'Downloadable' can be downloaded from CCO. If you choose to download them, the scheduled installation will not proceed until the files are successfully downloaded and copied to the server repository. ✕

asr9k-px-4.2.3.CSCur72219.pie (Downloadable)
asr9k-px-4.2.3.CSCul54537.pie (Downloadable)

Download

Ignore

Cancel

Installation Dependency

- A dependency can be specified when creating a scheduled install. For example, Install Activate should not be performed unless Install Add is successful.
- If an installation failed, any scheduled install that has the failed installation as its dependency will not execute.
- When multiple install actions or 'ALL' is selected, CSM Server will create the dependency automatically.
- Deleting a scheduled install will also delete all of its dependencies.

Scheduled Time

10/31/2014 01:57 PM

Dependency

None

None

Install Add - 10/31/2014 03:50 AM

Activate - 10/31/2014 03:50 AM

Post-Upgrade - 10/31/2014 03:50 AM

Scheduled 2

In Progress 0

Failed 1

Completed (showing

10

 records per page

Hostname	Install Action	Dependency
WEST-PE-ASR9K-2	Activate	Yes

Install Dashboard

Install Dashboard

- **Action**

- Schedule Batch Installs.
- Delete All Scheduled Installs.
- Delete All Failed Installs.

- **Install Dashboard Tabs**

- **Scheduled**
 - Lists any pending scheduled tasks.
- **In Progress**
 - Lists currently executing tasks.
- **Failed**
 - Lists any task that failed & provides links to appropriate logs.
- **Completed**
 - Lists of completed tasks plus install logs.

Install Dashboard

Available Actions

Action

Schedule Batch Installs

Delete All Scheduled Installs

Delete All Failed Installs

Search:

Scheduled 6 In Progress 0 Failed 21 Completed (showing 25 of 145)

10 records per page

Hostname	Install Action	Dependency	Scheduled Time	Packages	Created By	Action
ASR9K-PE4	Activate	Yes	10/22/2014 02:38 AM	asr9k-fpd-px.pie-5.1.3 asr9k-k9sec-px.pie-5.1.3 asr9k-mcast-px.pie-5.1.3 asr9k-mgbl-px.pie-5.1.3 asr9k-mini-px.pie-5.1.3 asr9k-mpls-px.pie-5.1.3	root	Delete
ASR9K-PE4	Post-Upgrade	Yes	10/22/2014 02:38 AM	asr9k-fpd-px.pie-5.1.3 asr9k-k9sec-px.pie-5.1.3 asr9k-mcast-px.pie-5.1.3 asr9k-mgbl-px.pie-5.1.3 asr9k-mini-px.pie-5.1.3 asr9k-mpls-px.pie-5.1.3	root	Delete

Scheduled 0 In Progress 1 Failed 1 Completed 5

10 records per page Search:

Hostname	Install Action	Scheduled Time	Status	Status Time
VALKYRIE3	Install Add	08/19/2014 12:00 AM	Executing :Install Add Packages	08/25/2014 05:30 PM

Schedule Batch Installs

- Select a region of interest.
- Select a role and/or software version to further filter hosts.
- All managed hosts belonging to the selected region and role will be displayed.
- Use the dual list box to select multiple hosts for the same scheduled installation.
- By default, the scheduled time is now. The installation will be executed immediately. Click the calendar icon next to the Scheduled Time to select a different date and time.

Select Hosts

Region

CA-SJ-18-LAB185

Role

Any

Software Version

asr9k-px 5.1.1

Available Hosts - showing 1

Filter

9010 Cluster (dsegovia)

Selected Hosts - showing 0

Filter

≡ >

>

<

< ≡


Schedule Batch Installs

Install Action

Select Desirable Install Actions

Scheduled Time

05/13/2015 12:14 PM



Schedule

Cancel

Download Dashboard

SMU/SP Download Dashboard

- **Action**
 - Delete All Scheduled Downloads.
 - Delete All Failed Downloads.
- **Download Dashboard Tabs**
 - **Scheduled**
 - Lists any pending downloads.
 - **In Progress**
 - Lists downloads that are in progress.
 - **Failed**
 - Lists all failed downloads.
 - **Completed**
 - Lists completed downloads.
- **CSM Server Repository**
 - Lists SMU tar files that have been downloaded. All requested downloads are first saved in this repository before being transferred to the designated server repository.

Download Dashboard

CSM Server Repository Action

Scheduled 0In Progress 0Failed 0Completed (showing 3 of 3)

10 records per pageSearch:

Image Name	Scheduled Time	Server Repository	Created By	Action
No data available in table				

Showing 0 to 0 of 0 entriesPreviousNext

CSM Server Repository (Downloads are stored in the csm_data directory, then copied to the designated server repository)Return to Top

10 records per pageSearch:

Image Name	Size (Bytes)	Downloaded Time	Action
asr9k-px-5.3.1.CSCuv26647.tar	2990080 bytes	08/19/2015 03:14 PM	Delete

Showing 1 to 1 of 1 entriesPrevious1Next