

Software Package Management Commands

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install commit

To make the active software persistent across system reloads, use the **install commit** command in XR EXEC mode.

install commit [**synchronous**]

synchronous	(Optional) Applies the changes synchronously.

Command Default

Commits the active software set.

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

To make the current active software persistent across reloads, use the **install commit** command.

If the system is restarted before the active software set is saved with the **install commit** command, the previously committed software set is used.

Task ID

Task ID	Operations
pkg-mgmt	read, write

The following example shows how to make the current active software set persistent:

```
Router# install commit

Install operation 16 'install commit' started by user 'user_b' at 19:18:58 UTC
Sat Apr 08 2006.
Install operation 16 completed successfully at 19:19:01 UTC Sat Apr 08 2006.
```

show install active

To display active packages, use the **show install active** command in XR EXEC mode.

show install active [**all** [**location** { *node-id* | **all** }] | **keys** | **node-inconsistencies** | **origin** | **summary**]

Syntax Description

all location	Displays all the active packages.
location *node-id* **location all**	Displays all packages in a specified location or all locations.
keys	Display all keys used to sign each package.
node-inconsistencies	Displays all active non-XR packages inconsistent across all nodes.
origin	Displays all packages from a specific origin.
summary	Displays a summary of active packages along with a list of optional packages.

Command Default

The command without the **all** keyword just displays the currently active XR packages. It does not display all packages on the system such as OS packages.

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 26.1.1	A new keyword, **keys**, was added to the command to show all active packages, and the key ID of the keys the packages are signed with.
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

This example shows how to view all active packages:

```
Router#show install active all
Wed Mar  8 04:57:35.230 UTC

Software Hash: bf46f5add2ea3cd85c91c647a2ca043e1a829c49e5c290baec0c89c937a17429
Package                                                                 Version
------------------------------------------------------          ------------------
8000-boot-scripts                                                       7.8.1.34Iv1.0.0-r0
8000-cpa-setup-x86                                                      7.8.1.34Iv1.0.0-r0
8101-32h-cpa-sb-x86                                                     7.8.1.34Iv1.0.0-r0
8102-64h-cpa-sb-x86                                                     7.8.1.34Iv1.0.0-r0
8111-32eh-cpa-sb-x86                                                    7.8.1.34Iv1.0.0-r0
8201-32fh-cpa-sb-x86                                                    7.8.1.34Iv1.0.0-r0
8201-cpa-sb-x86                                                         7.8.1.34Iv1.0.0-r0
8202-32fh-m-cpa-sb-x86                                                  7.8.1.34Iv1.0.0-r0
8202-cpa-sb-x86                                                         7.8.1.34Iv1.0.0-r0
8203-88h16fh-m-cpa-sb-x86                                               7.8.1.34Iv1.0.0-r0
```

```
8212-cpa-sb-x86                                                 7.8.1.34Iv1.0.0-r0
8608-fb-data-cpa-sb-x86                                         7.8.1.34Iv1.0.0-r0
8608-mpa-crevalle-cpa-sb-x86                                    7.8.1.34Iv1.0.0-r0
8608-mpa-narwhal-cpa-sb-x86                                     7.8.1.34Iv1.0.0-r0
8608-mpa-pinafore-cpa-sb-x86                                    7.8.1.34Iv1.0.0-r0
8608-mpa-tiber-cpa-sb-x86                                       7.8.1.34Iv1.0.0-r0
8804-fc-data-cpa-sb-x86                                         7.8.1.34Iv1.0.0-r0
acl                                                             2.2.52-r0.61
argon                                                           7.8.1.34Iv1.0.0-r0
 --More--
```

This example shows how to view all active packages in a specified location:

```
Router#show install active all location 0/RP0/CPU0
Wed Mar  8 04:58:25.254 UTC

Software Hash: ef055dac99b856182211deb7585c02fb812c02d6a04cd5b92b521ccf7b9c6ee5
Package                                     Architecture                    Version
------------------------------------------- ------------------  -------------------
8000-boot-scripts                           corei7_64            7.8.1.34Iv1.0.0-r0
8000-cpa-setup-x86                          corei7_64            7.8.1.34Iv1.0.0-r0
8101-32h-cpa-sb-x86                         corei7_64            7.8.1.34Iv1.0.0-r0
8102-64h-cpa-sb-x86                         corei7_64            7.8.1.34Iv1.0.0-r0
8111-32eh-cpa-sb-x86                        corei7_64            7.8.1.34Iv1.0.0-r0
8201-32fh-cpa-sb-x86                        corei7_64            7.8.1.34Iv1.0.0-r0
8201-cpa-sb-x86                             corei7_64            7.8.1.34Iv1.0.0-r0
8202-32fh-m-cpa-sb-x86                      corei7_64            7.8.1.34Iv1.0.0-r0
8202-cpa-sb-x86                             corei7_64            7.8.1.34Iv1.0.0-r0
8203-88h16fh-m-cpa-sb-x86                   corei7_64            7.8.1.34Iv1.0.0-r0
8212-cpa-sb-x86                             corei7_64            7.8.1.34Iv1.0.0-r0
8608-fb-data-cpa-sb-x86                     corei7_64            7.8.1.34Iv1.0.0-r0
8608-mpa-crevalle-cpa-sb-x86                corei7_64            7.8.1.34Iv1.0.0-r0
8608-mpa-narwhal-cpa-sb-x86                 corei7_64            7.8.1.34Iv1.0.0-r0
8608-mpa-pinafore-cpa-sb-x86                corei7_64            7.8.1.34Iv1.0.0-r0
8608-mpa-tiber-cpa-sb-x86                   corei7_64            7.8.1.34Iv1.0.0-r0
8804-fc-data-cpa-sb-x86                     corei7_64            7.8.1.34Iv1.0.0-r0
acl                                         corei7_64            2.2.52-r0.61
argon                                       wrlsdk_x86           7.8.1.34Iv1.0.0-r0
 --More--
```

This example shows how to view all active keys used to sign packages:

```
Router# show install active keys
Tue Feb 10 05:02:59.398 UTC

XR Software Hash: 78a02a7bd0157fae32a04cf764b8679d0ddd365541ae9a5799a60bb526a924ff

XR Package                                        Version               GPG Key ID
------------------------------------------------  --------------------  ----------------
xr-8000-af-ea                                    26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-aib                                      26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-bfd                                      26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-buffhdr-ea                               26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-bundles                                  26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-card-support                             26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-cdp-ea                                   26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-cem-driver                               26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-cfm                                      26.1.1.30Iv1.0.0-1     747278115c06976b
xr-8000-common-otn                               26.1.1.30Iv1.0.0-1     747278115c06976b
--More--
```

This example shows how to view the summary of active pakages:

```
Router#show install active summary
Wed Mar  8 05:00:29.564 UTC
```

```
Active Packages:    XR: 205    All: 1465
Label:              7.8.1.34I-PROD_BUILD_7_8_1_34I_SIT_IMAGE
Software Hash:      bf46f5add2ea3cd85c91c647a2ca043e1a829c49e5c290baec0c89c937a17429

Optional Packages                                                    Version
---------------------------------------------------- -         ------------------
xr-8000-l2mcast                                                  7.8.1.34Iv1.0.0-1
xr-8000-mcast                                                    7.8.1.34Iv1.0.0-1
xr-8000-netflow                                                  7.8.1.34Iv1.0.0-1
xr-bgp                                                           7.8.1.34Iv1.0.0-1
xr-cdp                                                           7.8.1.34Iv1.0.0-1
xr-ipsla                                                         7.8.1.34Iv1.0.0-1
xr-is-is                                                         7.8.1.34Iv1.0.0-1
xr-k9sec                                                         7.8.1.34Iv1.0.0-1
xr-lldp                                                          7.8.1.34Iv1.0.0-1
xr-mcast                                                         7.8.1.34Iv1.0.0-1
xr-mpls-oam                                                      7.8.1.34Iv1.0.0-1
xr-netflow                                                       7.8.1.34Iv1.0.0-1
xr-ospf                                                          7.8.1.34Iv1.0.0-1
xr-perf-meas                                                     7.8.1.34Iv1.0.0-1
xr-perfmgmt                                                      7.8.1.34Iv1.0.0-1
xr-telnet                                                        7.8.1.34Iv1.0.0-1
xr-track                                                         7.8.1.34Iv1.0.0-1
 --More--
```

show install available

To display packages available for installation, use the **show install available** command in XR EXEC mode.

show install available [**all**]

Syntax Description

all location *node-id*	(Optional) Displays all packages available to be installed in a system.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

The following example shows how to view the available packages:

```
Router# show install available all
```

show install cached

To display cached packages, use the **show install cached** command in XR EXEC mode.

show install cached

Syntax Description

This command has no keywords or arguments.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

The following example shows how to view the cached packages:

```
Router# show install cached
Wed Aug 12 10:00:25.105 UTC

Package                                                Architecture
Version
------------------------------------------------------ ----------------
--------------------------
8000-cpa-setup-nos-x86                                 corei7_64
7.0.12v1.0.0-r0
8000-cpa-setup-x86                                     corei7_64
7.0.12v1.0.0-r0
8201-cpa-sb-x86                                        corei7_64
7.0.12v1.0.0-r0
8800-lc-36fh-cpa-sb-x86                                corei7_64
7.0.12v1.0.0-r0
8800-lc-48h-cpa-sb-x86                                 corei7_64
7.0.12v1.0.0-r0
8800-rp-cpa-sb-x86                                     corei7_64
7.0.12v1.0.0-r0
8808-data-cpa-sb-x86                                   corei7_64
7.0.12v1.0.0-r0
8812-data-cpa-sb-x86                                   corei7_64
7.0.12v1.0.0-r0
8818-data-cpa-sb-x86                                   corei7_64
7.0.12v1.0.0-r0
acl                                                    corei7_64
2.2.52-r0.9
at                                                     corei7_64
3.1.20-r0.9
attr                                                   corei7_64
2.4.47-r0.9
audit                                                  corei7_64
2.7-r0.10
auditd                                                 corei7_64
```

```
2.7-r0.10
base-files                                      wrlsdk_x86
3.0.14-r89.7
base-passwd                                     corei7_64
3.5.29-r0.1.9
base-passwd-update                              corei7_64
3.5.29-r0.1.9
bash                                            corei7_64
4.3.30-r0.9
bash-completion                                 corei7_64
2.4-r0.9
bash-completion-extra                           corei7_64
2.4-r0.9
```

show install committed

To display committed packages, use the **show install committed** command in XR EXEC mode.

show install committed [**all** [**location** { *node-id* | **all** }] | **keys** | **node-inconsistencies** | **origin** | **summary**]

Syntax Description

all	Displays user-installable XR packages on all locations.
location *node-id* **location all**	Displays all packages in a specified location or all locations.
keys	Display all keys used to sign each package.
node-inconsistencies	Displays all committed non-XR packages inconsistent across all nodes.
origin	Displays all packages from a specific origin.
summary	Displays summary of committed packages (optional and bugfix packages only). .

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 26.1.1	A new keyword, **keys**, was added to the command to show all keys used to sign packages.
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

This example shows how to view all active keys used to sign packages:

```
Router# show install committed keys
Tue Feb 10 05:06:12.091 UTC

XR Software Hash: 78a02a7bd0157fae32a04cf764b8679d0ddd365541ae9a5799a60bb526a924ff

XR Package                                    Version                      GPG Key ID
--------------------------------------------- ---------------------------- ----------------
xr-8000-af-ea                                 26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-aib                                   26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-bfd                                   26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-bsp                                   26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-buffhdr-ea                            26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-bundles                               26.1.1.30Iv1.0.0-1           747278115c06976b
xr-8000-card-support                          26.1.1.30Iv1.0.0-1           747278115c06976b
```

```
xr-8000-cdp-ea                                26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cem-driver                            26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cfm                                   26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-common-otn                            26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-core                                  26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa                                   26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-devobj-gnss                       26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-devobj-misc                       26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-driver-fpgalib-kmod-oe            26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-npu                               26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-npu-sdk                           26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-cpa-sb-data                           26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-dot1x                                 26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-dsm                                   26.1.1.30Iv1.0.0-1          747278115c06976b
xr-8000-dyinggasp-pd                          26.1.1.30Iv1.0.0-1          747278115c06976b
--More--
```

The following example shows how to view the summary of committed packages:

```
Router#show install committed summary
Wed Jun 28 10:34:18.792 UTC
Committed Packages: XR: 206    All: 1537
Label:              7.10.1.31I
Software Hash:      8ba19933d88a72378955c470a1e07b0742ddded043ec332a72c5640c1ec62c55

Optional Packages                                                    Version
-------------------------------------------                  ------------------
xr-8000-l2mcast                                              7.10.1.31Iv1.0.0-1
xr-8000-mcast                                                7.10.1.31Iv1.0.0-1
xr-8000-netflow                                              7.10.1.31Iv1.0.0-1
xr-bgp                                                       7.10.1.31Iv1.0.0-1
xr-ipsla                                                     7.10.1.31Iv1.0.0-1
xr-is-is                                                     7.10.1.31Iv1.0.0-1
xr-lldp                                                      7.10.1.31Iv1.0.0-1
xr-mcast                                                     7.10.1.31Iv1.0.0-1
xr-mpls-oam                                                  7.10.1.31Iv1.0.0-1
xr-netflow                                                   7.10.1.31Iv1.0.0-1
xr-ops-script-repo                                           7.10.1.31Iv1.0.0-1
xr-ospf                                                      7.10.1.31Iv1.0.0-1
xr-perf-meas                                                 7.10.1.31Iv1.0.0-1
xr-perfmgmt                                                  7.10.1.31Iv1.0.0-1
xr-track                                                     7.10.1.31Iv1.0.0-1
```

show install fixes

To display bug fixes, use the **show install fixes** command in XR EXEC mode.

show install fixes { **active** | **available** | **committed** | **deactivate** } [**brief** | **bugids** *value*]

active	Display active bug fixes.
available	Display the list of available bug fixes.
committed	Display committed bug fixes
deactivate *bugfix_list*	Display information on how to remove a bug fix
brief	(Optional) Displays only the bug IDs and not the relevant packages.
bugids *value*	(Optional) Displays bug fixes for a specific bug ID. You can choose to view information for more than one bug id seperated by a space.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

The following example shows how to view the list of available bug fixes:

```
Router# show install fixes available
Bug Id             Packages                      Repository
-----------    ----------------------------  ----------------
CSCxx12345     xr-8000-core-7.0.11v1.0.1-1       <repository-name>
               xr-core-7.0.11v1.0.1-1            <repository-name>
```

The following example shows how to view the information for a active bug ID:

```
Router# show install fixes active bugids CSCxx12345
```

The following example shows how to remove the DDTS CSCwc26944:

```
Router#show install fixes deactivate CSCwc26944

User-requested DDTSs deactivated by this command: CSCwc26944

All DDTSs deactivated by this command: CSCvs01738,CSCwc26944

Package changes:
```

```
  xr-8000-core-7.5.2v1.0.5 -> xr-8000-core-7.5.2v1.0.4
  xr-8000-fib-ea-7.5.2v1.0.1 -> xr-8000-fib-ea-7.5.2v1.0.0           (missing)
  xr-8000-leabaofa-7.5.2v1.0.3 -> xr-8000-leabaofa-7.5.2v1.0.2
  xr-8000-mcast-7.5.2v1.0.1 -> xr-8000-mcast-7.5.2v1.0.0             (missing)
  xr-8000-utapp-blaze-7.5.2v1.0.2 -> xr-8000-utapp-blaze-7.5.2v1.0.1
  xr-fib-7.5.2v1.0.3 -> xr-fib-7.5.2v1.0.2
  xr-mcast-7.5.2v1.0.1 -> xr-mcast-7.5.2v1.0.0                       (missing)
  xr-ncs540l-core-7.5.2v1.0.14 -> xr-ncs540l-core-7.5.2v1.0.10
  xr-ncs5700-core-7.5.2v1.0.14 -> xr-ncs5700-core-7.5.2v1.0.10
  xr-ofa-7.5.2v1.0.3 -> xr-ofa-7.5.2v1.0.1
  xr-snmp-7.5.2v1.0.1 -> xr-snmp-7.5.2v1.0.0                         (missing)

Example install commands:
  install source any-configured xr-8000-core-7.5.2v1.0.4 xr-8000-fib-ea-7.5.2v1.0.0
xr-8000-leabaofa-7.5.2v1.0.2 xr-8000-mcast-7.5.2v1.0.0 xr-8000-utapp-blaze-7.5.2v1.0.1
xr-fib-7.5.2v1.0.2 xr-mcast-7.5.2v1.0.0 xr-ncs540l-core-7.5.2v1.0.10
xr-ncs5700-core-7.5.2v1.0.10 xr-ofa-7.5.2v1.0.1 xr-snmp-7.5.2v1.0.0
  install package downgrade xr-8000-core-7.5.2v1.0.4 xr-8000-fib-ea-7.5.2v1.0.0
xr-8000-leabaofa-7.5.2v1.0.2 xr-8000-mcast-7.5.2v1.0.0 xr-8000-utapp-blaze-7.5.2v1.0.1
xr-fib-7.5.2v1.0.2 xr-mcast-7.5.2v1.0.0 xr-ncs540l-core-7.5.2v1.0.10
xr-ncs5700-core-7.5.2v1.0.10 xr-ofa-7.5.2v1.0.1 xr-snmp-7.5.2v1.0.0

IMPORTANT: The above commands cannot currently be run because there are missing packages.Put
 the following packages in an accessible repository.
  xr-8000-fib-ea-7.5.2v1.0.0
  xr-8000-mcast-7.5.2v1.0.0   (optional package)
  xr-mcast-7.5.2v1.0.0        (optional package)
  xr-snmp-7.5.2v1.0.0

IMPORTANT: If the optional packages are not available, then they can be completely removed
 before removing the DDTS using install package remove xr-8000-mcast-7.5.2v1.0.0
xr-mcast-7.5.2v1.0.0
```

show install history

To display the history of the installation process , use the **show install history** command in XR EXEC mode.

show install history { **all** [**location** *node-id*] [**reverse**] [**verbose**] | **table** [**ID** *number* | [**last** *entries*] [**reverse**]] }

all	Displays the history of all install operations.
last *entries*	Displays a last entry of the history information table
location *node-id*	Displays details of the specified location. The *node-id* argument is entered in the `rack/slot/module` notation.
table	Displays a summary table of the install operations.
ID *number*	Specifies the table ID of the history information.
reverse	Displays entries in reverse order.
verbose	Displays detailed information.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

To identify whether a reload is required or only process restart is needed, use **show install history last transaction verbose** command.

When there is insufficient disk space in the root file system, the **show install request** command displays an error message. Use **show install history last package** command to view the details of the packaging operation and any errors that have occurred.

The following example shows how to view the history of the install operation:

```
Router# show install history table
  Transaction             Atomic Change          Packaging Operations
--------------------  -------------------------  ----------------------------------
Id   Status          Id  Method   Status      Id  Operation   Inputs Status
--------------------  -------------------------  ----------------------------------
 1   In progress     1   Reload   Success      1   Upgrade        1  Success
```

The following example shows how to view history of last transaction:

```
Router# show install history last transaction verbose
2019-09-11 17:01:46 UTC    Transaction 3 started
2019-09-11 17:01:46 UTC      Atomic change 3.1 started
2019-09-11 17:01:46 UTC      Packaging operation 3.1.1 startedtion cleanup in progress
2019-09-11 17:16:46 UTC    Transaction 3 complete
```

The following example shows how to view the last packaging operation for a specific location:

```
Router# show install history last package location 0/RP0/CPU0 verbose
```

The following example shows how to view the complete details of the last packaging operation, including a failure:

```
Router# show install history last package
Wed Jan  8 13:29:51.586 UTC
2020-01-08 13:25:32 UTC        Packaging operation 3.2.1 started
2020-01-08 13:25:32 UTC        Add
2020-01-08 13:25:32 UTC         xr-telnet
2020-01-08 13:28:26 UTC       Error on 0/1/CPU0: Insufficient disk space to install packages
2020-01-08 13:28:26 UTC        Packaging operation 3.2.1 failed: Disk space check failed
on nodes: 0/1/CPU0
2020-01-08 13:28:26 UTC        Packaging operation 3.2.1 aborted: Automatically recovered
after failure

Location 0/1/CPU0
  Last event: Error (Insufficient disk space to install packages)
  Disk space pre-check failure:
     Phase: Download
     Required space: 140944B
     Available space: 110623B
```

show install log

To display the details of installation requests, use the **show install log** command in XR EXEC mode.

show install log [**all**] [**detail**] [**id number**] [**last** *number*] [**reverse**]

Syntax Description

all	(Optional) Displays a log for all install operations.
detail	(Optional) Displays details including impact to processes and nodes.
id *number*	(Optional) Displays the log information for the specified transaction ID.
last *number*	(Optional) Displays the log information for the last number of transactions.
reverse	(Optional) Displays the logs in reverse order.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

Enter the **show install log** command with no arguments to display a summary of all installation operations, including the changes to files and the processes impacted by each request. Specify the **id** argument to display details for a specific operation.

Task ID

Task ID	Operations
pkg-mgmt	read

The following example shows the log information for a specific transaction ID:

```
Router# show install log detail id 1
```

show install request

To display the current status of install requests, use the **show install request** command in XR EXEC mode.

show install request { **brief** [**monitor**] | **location** *node-id* [**monitor**] | { **verbose location** *node-id* [**monitor**] | **monitor location** *node-id* } }

Syntax Description

brief	Displays install request information summary.
location *node-id*	Displays install information for the designated node. The *node-id* argument is entered in the *rack/slot/module* notation.
verbose	Displays detailed information about the install request.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.
Release 7.8.1	The keyword **monitor** was deprecated.

Usage Guidelines

Cisco IOS XR processes only one installation request per device at a time. The **show install request** command displays any incomplete request that is currently running.

Note When the command is running asynchonously, use **show install request** command to monitor the progress.

If the install operation encounters a failure, the **show install request** command, displays an error message. Use the **show install history last package** command to obtain complete details of the failure.

The following example shows sample output from the **show install request** command:

```
Router# show install request

Install operation 17 'install add /tftp://172.31.255.255/dir/19mcast' started by user
'user_b' at 14:38:45 UTC Thu Mar 30 2006. The operation is 1% complete 2,017KB
downloaded The operation can still be aborted.
```

The following example shows sample output from the **show install request** command when there is insufficient disk space in the root file system. An error message is displayed to indicate the insufficient disk space .

```
Router#show install request
Wed Jan  8 13:29:38.086 UTC
```

```
User request: install replace /harddisk:/replace.iso
Operation ID: 3.2
State:        Failure since 2020-01-08 13:28:26 UTC
Disk space check failed on nodes: 0/1/CPU0. Automatically recovered after failure, ready
for next user request.

Current activity:    Await user input
Time started:        2020-01-08 13:29:25

The following actions are available:
    install package add
    install package remove
    install package upgrade
    install package downgrade
    install package replace
    install package rollback
    install commit
```

show install rollback

To display rollback information, use the **show install rollback** command in XR EXEC mode.

show install rollback { **id** *number* **changes** | **list-ids** }

Syntax Description

id *number*	Displays information for the specified transaction ID.
changes	Display changes relative to currently installed packages.
list-ids	Displays a list of all rollback IDs.

Command Default

None

Command Modes

XR EXEC mode

Command History

Release	Modification
Release 7.0.12	This command was introduced.

Usage Guidelines

No specific guidelines impact the use of this command.

The following example shows how to view the valid list of rollback transaction IDs:

```
Router# show install rollback list-ids
```

The following example shows how to view rollback information for a specific transaction ID:

```
Router# show install rollback id 1
```

The following example shows how to view the changes for a specific rollback transaction ID:

```
Router# show install rollback id 1 changes
```