



Cisco Prime Network 3.8.x Third-Party VNE Device Package Installation Guide

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Overview

This guide provides information for installing and uninstalling the Cisco Prime Network (Prime Network) 3.8.x Third-Party VNE Device Package. It contains the following sections:

- [Naming Convention of the Device package tar file](#)
- [Obtaining Prime Network Third-Party VNE Drivers](#)
- [Installing Prime Network 3.8 Third-Party Device Package, page 2](#)
- [Uninstalling the Prime Network 3.8 Third-Party Device Package \(Rollback\), page 10](#)
- [Obtaining Documentation and Submitting a Service Request, page 12](#)

Naming Convention of the Device package tar file

The Cisco VNE Device packages supported on Cisco Prime Network 3.8.x would have the following naming convention going forward from June 2012.

PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DPymm.tar

For example - PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar

PrimeNetwork – indicates the product on which the Device package is supported

3.8.xTo3.9.x – Indicates the device package is supported on Prime Network releases , for example , Prime Network 3.8 , 3.8.1 and 3.9

DPymm – Indicate year and month in which the package is released.

For example, PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar – indicates the device package is released in August 2012 and is supported on Prime Network 3.8 , 3.8.1 and 3.9



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Obtaining Prime Network Third-Party VNE Drivers

To obtain the PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar for installation, contact a Cisco representative or download it from [Cisco Prime Network Software Download site on Cisco.com](#)



Note

You can also download the Prime Network 3.8 DP tar file from the [Cisco Prime Network Software Download site on Cisco.com](#)

The Independent VNE driver tar file has several Jar files within a jars folder. The Jar files use the following naming conventions:

Vendor-JarType-VNEJarVersion.jar

JarType can be Commons, Modules, or single or multiple device specific files.

For example:

- Juniper-Modules-v3.1.0.0.jar
- Juniper-Junos-v3.1.0.0.jar

Installing Prime Network 3.8 Third-Party Device Package

To install a Device Package (DP), follow these steps:

Step	Description	Described in
1	Make sure your system meets the prerequisites.	Installation Prerequisite, page 3
2	Copy the downloaded DP file to the proper location.	Copying the Device Package File to a Central Location, page 3
3	Install the downloaded DP file.	Installing Device Package, page 5
4	Verify the DP installation.	Verifying the Device Package Installation, page 8

Installation Prerequisite

Before you begin the installation, ensure that:

- Prime Network 3.8 is installed from Cisco.com.

Prime Network Release	Device package Release
Prime Network 3.8.0.0.5 or later	PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1206.tar or later
Prime Network 3.8.0.0.4 or earlier	CiscoPrimeNetwork-3.8-ThirdParty-DP2.tar

- It is mandatory to install Cisco Prime Network 3.8.0.0.5 or above on Cisco Prime Network 3.8 server before installing the VNE Device package (For example, PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar)
- Download the tar file from the [Cisco Prime Network Software Download site on Cisco.com](#). Log into Cisco.com and navigate to **Cisco Prime Network > Prime Network VNE Drivers for Non Cisco Devices**.
- You uncheck the critical flag from the Prime Network gateway resource in the VERITAS Cluster Manager Application, if the HA/DR solution is in place.
- If you are using the HA/DR in VERITAS solution
 - Uncheck the critical flag from the Cisco Prime Network gateway resource in the VERITAS Cluster Manager application.
 - Via the VERITAS Cluster Manager, bring Prime Network offline
 - Disable the Cisco Prime Network gateway resource in the VERITAS Cluster Manager application.
 - Login to the gateway and start Prime Network by running “networkctl start“.
 - Wait until Prime Network gateway and units are up and running before continuing with this patch installation.



Note

When you install MIB2 jar from TP DP1208 for the FCS+Cisco Latest DP+TP DP1208 scenario, the messages stating that “The same or a newer version of Mib2 already exists” and “Installation was partially successful” are displayed.

Copying the Device Package File to a Central Location

To copy the DP file to a central location:

- Step 1** Log into the Prime Network gateway server as root user and enter the following command to create a new directory outside of the Prime Network home directory and grant user privileges.
- ```
% mkdir /ThirdPartyVNEDrivers
% chmod 777 /ThirdPartyVNEDrivers
```
- Step 2** Grant the directory networkuser permissions. (network-user is the UNIX account for the Prime Network application.) In this example, network-user is **network38**.

```
% chown network38:PN /ThirdPartyVNEDrivers
```

- Step 3** Using ftp, copy the DP file (PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar) into the newly-created directory. In this example, the DP file would exist in the following location:

```
/ThirdPartyVNEDrivers/PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar
```

## Using the ivne Script

This section provides some general information on the ivne script, which is used to install independent device driver files. We recommend that you use the option that is documented in the installation and rollback steps provided in this document; the options are described here for your information. For more information on the ivne script, see the [Cisco Prime Network 3.8 Administrator Guide](#).

| # | Option                                                        | Description                                                                                                                           | Use this when...                                                                                                                                                                                      |
|---|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Install independent VNE drivers from device package tar file. | Installs drivers from a local folder on the gateway server, along with any files required for licensing.                              | <p><b>Note</b> We recommend that you use this option.</p> <ul style="list-style-type: none"> <li>– You want to install the entire Device Package or individual jar files.</li> </ul>                  |
| 2 | Install independent VNE drivers from a web repository.        | Installs drivers from a remote host such as a web server that is providing central support to multiple Prime Network gateway servers. | <ul style="list-style-type: none"> <li>• You want to install only individual jars files.</li> <li>• The jar files you will install do NOT contain support for a previously-unsupported NE.</li> </ul> |
| 3 | Install independent VNE drivers from a local folder.          | Installs drivers from a local folder on the gateway server.                                                                           | <ul style="list-style-type: none"> <li>• You want to install only individual jars files.</li> <li>• The jar files you will install do NOT contain support for a previously-unsupported NE.</li> </ul> |
| 4 | Roll back to a previous independent VNE driver installation.  | Restores all drivers to a previously backed up driver configuration. (You cannot roll back individual driver files.)                  | You want to roll back your configuration to a previously saved backup.                                                                                                                                |
| 5 | List the existing drivers and their versions.                 | Lists the drivers that exist in the \$PRIME_NETWORK_HOME/Main/drivers directory on the gateway server.                                | You want to see the current version of the files that are in \$PRIME_NETWORK_HOME/Main/drivers.                                                                                                       |
| q | Quit                                                          | Exits the ivne script.                                                                                                                | You want to quit the script.                                                                                                                                                                          |

## Installing Device Package

You can install the entire DP with all the jar files it contains, or you can install individual jar files as needed. The `ivne` script and how it works is described in the [Cisco Prime Network 3.8 Administrator Guide](#).

To install the DP:

- 
- Step 1** Confirm the following:
- Your system meets the prerequisites listed in [Installation Prerequisite](#), page 3.
  - You have copied the DP file to a central location; see [Copying the Device Package File to a Central Location](#), page 3.
  - The backup directory exists and `network-user` has read-write-execute permissions for the directory.

**Step 2** Telnet/SSH to the Prime Network Gateway Server with username `network-user`. In this example `network-user` is `network38`.

**Step 3** Enter the following command to navigate to the main folder:

```
% cd Main
```

**Step 4** Run the command `ivne`.

The command `ivne` can be run from any location on Prime Network Gateway Server.

```
%ivne
```

```

 Cisco Prime Network Independent VNE Driver Installer

```

```

1 Install independent VNE drivers from Device Package tar file (recommended).
2 Install independent VNE drivers jar file from a web repository.
3 Install independent VNE drivers jar file from a local folder.
4 Rollback to a previous independent VNE driver installation.
5 List the existing drivers and their versions.
q Quit.
```

Make a selection and press Enter.

**Step 5** Choose option **1** (Install independent VNE device package) and press Enter.

Before installing the new drivers, the `ivne` script creates a backup of the current VNE driver configuration so that you can roll back to that configuration, if required.

The following message appears:

```
- Writing log to /export/home/network38/Main/drivers/ivne-install-log-022511-232502
Prime Network will be restarted after the procedure is completed...
Would you like to continue? (yes,no) [default no] yes
Backing up the current VNE driver configuration files.

Please select a destination folder for the backup tar file. The folder should have at
least 5152 KB of free space.

Please enter the backup folder path:
```

**Step 6** Enter the backup folder path. You can provide any location for backup.

```
Please enter the backup folder path: [default /export/home/network38]
/ThirdpartyVNEdrivers
-Creating .PN-ivne file. [OK]
-Backing up current drivers to
/ThirdPartyVNEDrivers/PN_Drivers_Backup_020211-151848.tar.gz. [OK]
```

**Step 7** Provide the path to the Independent VNE Tar file present in local folder.

```
Please enter the full path of the device package tar file:
/ThirdpartyVNEdrivers/PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar
Extracting /ThirdpartyVNEdrivers/PrimeNetwork-3.8.xTo3.9.x-Thirdparty-DP1208.tar...
Done.
```

It will list all Jar files that are present in the directory as given below:

The device package contains the following driver jar files:

```

Cisco-PN-ThirdParty-Commons-v3.0.0.0.jar
DragonWave-Commons-v3.0.0.0.jar
DragonWave-Horizon-v3.0.1.0.jar
DragonWave-Modules-v3.0.0.0.jar
Fortinet-Commons-v3.0.0.0.jar
Fortinet-Fortios-v3.0.0.0.jar
Fortinet-Modules-v3.0.0.0.jar
Huawei-Commons-v3.0.0.0.jar
Huawei-Modules-v3.0.0.0.jar
Huawei-Trs-v3.0.0.0.jar
Juniper-Commons-v3.1.0.0.jar
Juniper-Junos-v3.1.0.0.jar
Juniper-Junose-v3.0.0.0.jar
Juniper-Modules-v3.1.0.0.jar
Juniper-Screenos-v3.0.0.0.jar
Lucent-Alcatel-Asam-v3.0.0.0.jar
Lucent-Alcatel-Commons-v3.0.1.0.jar
Lucent-Alcatel-Ess-v3.0.1.0.jar
Lucent-Alcatel-Modules-v3.0.1.0.jar
Lucent-Alcatel-Sar-v3.0.1.0.jar
Lucent-Alcatel-Sr-v3.0.1.0.jar
Mib2-v3.2.1.0.jar
Occam-Blc-v3.1.0.0.jar
```

```

Occam-Commons-v3.0.1.0.jar
Occam-Modules-v3.0.0.0.jar
Rad-Etx-v3.0.0.0.jar
Rad-IPmux-v3.0.0.0.jar
Rad-La-v3.0.0.0.jar
Radace-Commons-v3.0.0.0.jar
Radace-Csg-v3.0.0.0.jar
Radace-Modules-v3.0.0.0.jar
Tellabs-Commons-v3.0.1.0.jar
Tellabs-Modules-v3.0.0.0.jar
Tellabs-Msr-v3.0.1.0.jar
ThirdParty-Others-v3.0.0.0.jar

```

Please enter the independent VNE driver file name(s): [default All]

**Step 8** Enter the jars you want to install using one of these methods:

- To enter specific jars, copy (cut and paste) the names after the prompt.
- To install all jars, enter **ALL**.

**Step 9** If any of the selected drivers depend on other jar files, the script will list them, as in the following example. If you do not answer yes to the prompt, the listed jar files will not be installed.

```
Installation started. Please wait...
```

```
Installing Alcatel-Commons-v3.0.1.0.jar...
```

```
Gathering information from /export/home/network38/Main/drivers/
```

```
An upgrade of ThirdParty-Commons to version 3.0.0.0 is required.
```

```
Installing Alcatel-Commons -
```

```
Please note that the following I-VNEs are mandatory and will be installed:
```

```

```

| Name               | Driver File Name                         | Version | Device Package                                  |
|--------------------|------------------------------------------|---------|-------------------------------------------------|
| Alcatel-Commons    | Lucent-Alcatel-Commons-v3.0.1.0.jar      | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| ThirdParty-Commons | Cisco-PN-ThirdParty-Commons-v3.0.0.0.jar | 3.0.0.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |

```
Would you like to continue? (yes/no) [Default: yes]
```

```
Copied Alcatel-Commons-v3.0.1.0.jar to /export/home/network38/Main/drivers/
```

```
Copied ThirdParty-Commons-v3.0.0.0.jar to /export/home/network38/Main/drivers/
```

After installing the drivers, the installer displays the following message:

```
"Removing old drivers from units... Done.
```

```
Installation completed successfully.
```

```
- Collecting images from drivers.Restarting Prime Network...
```

```
Stopping Prime Network Web Server...
```

```
Stopping AVMs...Done.
```

```
Starting Prime Network Gateway.....Done.
```

Independent VNE installation is now complete."

## Verifying the Device Package Installation

To verify the DP installation:

- Step 1** Log into the Prime Network gateway server as network-user.
- Step 2** On the gateway server, go to the \$PRIME\_NETWORK\_HOME/Main/drivers directory. (In this procedure, \$PRIME\_NETWORK\_HOME is /export/home/network38.)
- ```
% cd $PRIME_NETWORK_HOME/Main/drivers
```
- Step 3** Start the installation script:
- ```
% ivne
```
- ```
-----
                Cisco Prime Network Independent VNE Driver Installer
-----

1 Install independent VNE drivers from Device Package tar file (recommended).
2 Install independent VNE drivers jar file from a web repository.
3 Install independent VNE drivers jar file from a local folder.
4 Rollback to a previous independent VNE driver installation.
5 List the existing drivers and their versions.
q Quit.
```
- Step 4** Choose option 5 (List the existing drivers and their versions) and press Enter at the prompt. The installation script creates a log and lists the drivers that exist in \$PRIME_NETWORK_HOME/Main/drivers. (In this procedure, \$PRIME_NETWORK_HOME is /export/home/network38.)
- ```
- Writing log to /export/home/network38/Main/drivers/ivne-install-log-030111-221137
Gathering information from /export/home/network38/Main/drivers/
```

| Name               | Driver File Name                    | Version | Device Package                                  |
|--------------------|-------------------------------------|---------|-------------------------------------------------|
| Alcatel-Asam       | Lucent-Alcatel-Asam-v3.0.0.0.jar    | 3.0.0.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Alcatel-Commons    | Lucent-Alcatel-Commons-v3.0.1.0.jar | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Alcatel-Ess        | Lucent-Alcatel-Ess-v3.0.1.0.jar     | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Alcatel-Modules    | Lucent-Alcatel-Modules-v3.0.1.0.jar | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Alcatel-Sar        | Lucent-Alcatel-Sar-v3.0.1.0.jar     | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Alcatel-Sr         | Lucent-Alcatel-Sr-v3.0.1.0.jar      | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| DragonWave-Commons | DragonWave-Commons-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo                            |



|                    |                                 |         |                      |                         |
|--------------------|---------------------------------|---------|----------------------|-------------------------|
|                    |                                 |         |                      | 3.9.x-Thirdparty-DP1208 |
| DragonWave-Horizon | DragonWave-Horizon-v3.0.1.0.jar | 3.0.1.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| DragonWave-Modules | DragonWave-Modules-v3.0.0.0.jar | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Fortinet-Commons   | Fortinet-Commons-v3.0.0.0.jar   | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Fortinet-Fortios   | Fortinet-Fortios-v3.0.0.0.jar   | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Fortinet-Modules   | Fortinet-Modules-v3.0.0.0.jar   | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Huawei-Commons     | Huawei-Commons-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Huawei-Modules     | Huawei-Modules-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Huawei-Trs         | Huawei-Trs-v3.0.0.0.jar         | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Juniper-Commons    | Juniper-Commons-v3.1.0.0.jar    | 3.1.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Juniper-Junos      | Juniper-Junos-v3.1.0.0.jar      | 3.1.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Juniper-Junose     | Juniper-Junose-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Juniper-Modules    | Juniper-Modules-v3.1.0.0.jar    | 3.1.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Juniper-Screenos   | Juniper-Screenos-v3.0.0.0.jar   | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Mib2               | Mib2-v3.2.1.0.jar               | 3.2.1.0 | PrimeNetwork-3.8.xTo | 3.9.x-DP1208            |
| Occam BLC          | Occam-Blc-v3.1.0.0.jar          | 3.1.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Occam-Commons      | Occam-Commons-v3.0.1.0.jar      | 3.0.1.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Occam-Modules      | Occam-Modules-v3.0.0.0.jar      | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Rad-Etx            | Rad-Etx-v3.0.0.0.jar            | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Rad-IPmux          | Rad-IPmux-v3.0.0.0.jar          | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Rad-La             | Rad-La-v3.0.0.0.jar             | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Radace-Commons     | Radace-Commons-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Radace-Csg         | Radace-Csg-v3.0.0.0.jar         | 3.0.0.0 | PrimeNetwork-3.8.xTo | 3.9.x-Thirdparty-DP1208 |
| Radace-Modules     | Radace-Modules-v3.0.0.0.jar     | 3.0.0.0 | PrimeNetwork-3.8.xTo |                         |

|                    |                                              |         |                                                 |
|--------------------|----------------------------------------------|---------|-------------------------------------------------|
|                    |                                              |         | 3.9.x-Thirdparty-DP1208                         |
| Tellabs-Commons    | Tellabs-Commons-v3.0.1.0.jar                 | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Tellabs-Modules    | Tellabs-Modules-v3.0.0.0.jar                 | 3.0.0.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| Tellabs-Msr        | Tellabs-Msr-v3.0.1.0.jar                     | 3.0.1.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| ThirdParty-Commons | Cisco-PN-ThirdParty-Commons-<br>v3.0.0.0.jar | 3.0.0.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |
| ThirdParty-Others  | ThirdParty-Others-v3.0.0.0.jar               | 3.0.0.0 | PrimeNetwork-3.8.xTo<br>3.9.x-Thirdparty-DP1208 |



**Note**

Cisco and third-party VNE driver files will be listed here. Cisco driver files have a Cisco-prefix in the filename.

**Step 5** Verify that the correct drivers are listed.

## Uninstalling the Prime Network 3.8 Third-Party Device Package (Rollback)

The rollback procedure restores the driver configuration files to a previously backed-up version. You will need to provide the full pathname of the backup folder. The rollback script will list the available backups from which you can choose. The rollback procedure consists of two main steps: performing the rollback and verifying that the drivers were removed.

**Step 1** Log into the Prime Network gateway server as network-user.

**Step 2** On the gateway server, go to the \$PRIME\_NETWORK\_HOME/Main/drivers directory. (In this procedure, \$PRIME\_NETWORK\_HOME is /export/home/network38.)

```
% cd /export/home/network38/VNEDP-backup
```

**Step 3** Start the installation script:

```
% ivne
```

```

Cisco Prime Network Independent VNE Driver Installer

```

- 1 Install independent VNE drivers from Device Package tar file (recommended).
  - 2 Install independent VNE drivers jar file from a web repository.
  - 3 Install independent VNE drivers jer file from a local folder.
  - 4 Rollback to a previous independent VNE driver installation.
  - 5 List the existing drivers and their versions.
- q Quit.

- Step 4** Choose option **4** (Roll back to a previous independent VNE driver installation) and press Enter at the prompt. The installation script creates a log and prompts you for the full pathname of the folder that contains the backup file with the desired rollback configuration.

```
Writing log to /export/home/network38/Main/drivers/ivne-install-log-011111-181726
PN will be restarted after the procedure is completed...
Would you like to continue? (yes,no) [default no] yes
- Writing log to /export/home/network38/Main/logs/drivers_rollback-1294750050.log.
Please enter the backup folder: /ThirdPartyVNEDrivers
```

- Step 5** To list all backup files that exist in that folder, enter **y** at the prompt:

```
Would you like to view a list of the available files? (y/n) [default n] y
PN_Drivers_Backup_010711-201901.tar.gz
PN_Drivers_Backup_020711-180201.tar.gz
```

- Step 6** Enter (cut and paste) the filename you want to use for the restore operation:

```
Please enter the backup file name: PN_Drivers_Backup_101311-143024.tar.gz
- Removing contents of /export/home/network38/Main/drivers. [OK]
- Extracting backup archive under /export/home/network38/Main/drivers. [OK]
Removing old drivers from units... Done.
Rollback completed successfully.
- Collecting images from drivers.Restarting Prime Network...
Stopping Prime Network Web Server...
Stopping AVMs...Done.
Starting Prime Network Gateway.....Done.
```

Independent VNE rollback is now complete

- Step 7** Log into the gateway server as network-user and start the installation script:

```
% ivne

Cisco Prime Network Independent VNE Driver Installer

1 Install independent VNE drivers from Device Package tar file (recommended).
2 Install independent VNE drivers jar file from a web repository.
3 Install independent VNE drivers jer file from a local folder.
4 Rollback to a previous independent VNE driver installation.
5 List the existing drivers and their versions.
q Quit.
```

- Step 8** Choose option **5** (List the existing drivers and their versions). The installation script creates a log and lists the drivers that exist in \$PRIME\_NETWORK\_HOME/Main/drivers.

- Step 9** Verify that the correct drivers and versions are listed.

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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