



## Performing a Silent Installation

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### Performing a Silent Installation

This appendix describes how to perform a silent installation, upgrade, or uninstallation of the Cisco Prime Network Registrar product. A silent installation or upgrade allows for unattended product installations based on the configuration values that are provided at the time that a silent installation response file was created.



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**Caution** Unpredictable results can occur if you try to use a silent-response file that does not contain the correct settings for the system undergoing the silent installation.

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To generate or create a silent-response file:

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**Step 1** For each silent installation or upgrade, use these commands to create a separate response file:

- Windows:

```
setup.exe -r
```

Complete the installation or upgrade steps as you normally would. This command installs or upgrades Cisco Prime Network Registrar according to the parameters that you specified.

**Note** If Cisco Prime Network Registrar is already installed, **setup.exe** uninstalls the existing version and if Cisco Prime Network Registrar is not installed, then it does the installation.

It also generates the `setup.iss` silent-response file based on these parameters. Look for this file in the Windows installation directory, such as `C:\WINDOWS`. Each time you use the command, the file is overwritten.

We recommend that you rename or relocate this file before running the silent process in **Step 2**. Rename the file to something distinguishable, such as `local-nr-https-install`, and relocate it to a temporary folder.

- Linux:

Create a text silent-response file that includes the entries listed in the table below.

Table 1: Silent-Response File Entries for Linux

Silent-Response File Entry	Description
BACKUPDIR=	Path where to store the current Cisco Prime Network Registrar installation files, but only if <code>PERFORM_BACKUP=y</code>
CCM_LOCAL_SERVICES=	Services (dhcp, dns or cdns) to enable
CCM_PORT=	Central Configuration Management (CCM) port; default value is: <ul style="list-style-type: none"> <li>• <b>1234</b> if <code>CNR_CCM_MODE=local</code></li> <li>• <b>1244</b> if <code>CNR_CCM_MODE=regional</code></li> </ul>
CCM_RGNL_IP_ADDR=	IPv4 address of the regional server
CCM_RGNL_IPV6_ADDR=	IPv6 address of the regional server
CCM_RGNL_SCP_PORT=	SCP port number on the regional server
CNR_ADMIN=	Superuser name. To skip configuring the superuser name, value should be <code>CNR_ADMIN=unset</code> .
NRADMIN=	Non-root user. To install Cisco Prime Network Registrar as non-root user, value must be <code>NRADMIN=y</code> .
CNR_PASSWORD=	Superuser password. To skip configuring the superuser password, value should be <code>CNR_PASSWORD=unset</code> .
CNR_CCM_MODE=	CCM mode; set to <b>local</b> or <b>regional</b> .
CNR_CCM_TYPE=	Reserved for GSS installation. Introduced in Cisco Prime Network Registrar 7.0; always set to <b>cnr</b> .
CNR_EXISTS=	If set to <b>y</b> (recommended), tries to kill any open CLI connections when installing or upgrading; otherwise, basically deprecated.
CNR_LICENSE_FILE=	For Cisco Prime Network Registrar 7.x and later only, the fully qualified path to the license file. Set <code>CNR_LICENSE_FILE=unset</code> if <code>CNR_CCM_MODE=local</code> for Cisco Prime Network Registrar 8.x.
CNR_SECURITY_MODE=	Security mode configuration: <ul style="list-style-type: none"> <li>• required - Fail if the connection cannot be secured.</li> <li>• optional - Allow fallback to insecure connection.</li> <li>• disabled - Do not load security modules at startup.</li> </ul>
DATADIR=	Fully qualified path to the data directory

Silent-Response File Entry	Description
JAVADIR=	Fully qualified path to the Java installation (JRE 1.7 or later).
KEYSTORE_FILE=	If USE_HTTPS=y, the fully qualified path to the keystore file.
KEYSTORE_PASSWORD=	If USE_HTTPS=y, the password used when generating the keystore file.
LOGDIR=	Fully qualified path to the log file directory.
PERFORM_BACKUP=	Specifies whether or not to back up the current installation files, if present. Can be set to <b>y</b> even on a clean installation (see also BACKUPDIR).
ROOTDIR=	Fully qualified installation path for the product files; contains bin, classes, cnrwebui, conf, docs, examples, extensions, lib, misc, schema, tomcat, and usrbin subdirectories
START_SERVERS=	Must be set to <b>y</b> for a full installation (with protocol servers) to assure the installation or upgrade is completed; it also results in the Cisco Prime Network Registrar product being started after the install/upgrade. For a client-only installation, must be set to <b>n</b> .
TEMPDIR=	Fully qualified path to the temp directory.
USE_HTTP=	Sets whether or not the web UI server listens for HTTP connections; one or both of USE_HTTP or USE_HTTPS must be set to <b>y</b> .
USE_HTTPS=	Sets whether or not the web UI server listens for HTTPS connections; one or both of USE_HTTP or USE_HTTPS must be set to <b>y</b> (see also KEYSTORE_FILE and KEYSTORE_PASSWORD).
WEBUI_PORT=	Port number that the web UI uses for HTTP traffic; default value is: <ul style="list-style-type: none"> <li>• <b>8080</b> if CNR_CCM_MODE=local</li> <li>• <b>8090</b> if CNR_CCM_MODE=regional</li> </ul>
WEBUI_SEC_PORT=	Port number that the web UI uses for HTTPS traffic; default value is: <ul style="list-style-type: none"> <li>• <b>8443</b> if CNR_CCM_MODE=local</li> <li>• <b>8453</b> if CNR_CCM_MODE=regional</li> </ul>

Silent-Response File Entry	Description
CNR_BYOD_ENABLE=	Set to <b>y</b> or <b>n</b> to enable or disable the BYOD services. Enabling BYOD service option is available only in Windows and Linux.

**Step 2** Use these commands to invoke the silent installation or upgrade for each instance:

- Windows:

```
setup.exe -s -f1path+response-file
```

**Note** The silent installation fails if you do not specify the **-f1** argument with a fully qualified path to the response file, unless the response file is located in the i386 directory and setup.exe is run from that directory.

- Linux:

```
install_cnr -r response-file
```

**Step 3** If you want to uninstall the product:

- Windows—Generate an uninstallation response file and execute:

```
setup.exe -s -f1uninstall_response_file
```

- Linux—Invoke the silent uninstallation (this command is noninteractive except during an error):

```
uninstall_cnr
```

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