Performing a Silent Installation

This appendix describes how to perform a silent installation, upgrade, or uninstallation of the Cisco Prime Network Registrar (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.

To generate or create a silent-response file:

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.

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  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.

- Solaris:

  pkgask –d *install-path* **-r** *response-file* **nwreg2**

  Complete the installation or upgrade steps as you normally would. This action does not actually install or upgrade Cisco Prime Network Registrar, but simply generates a silent-response file by the specified name that includes the installation or upgrade parameters that you want to replicate for additional installations or upgrades. We recommend that you name the file something distinguishable, such as local-nr-upgrade or regional-nr-https-install.

- Linux:

  Create a text silent-response file that includes the entries in Table A-1 on page A-2.

Table A-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 PERFORM_BACKUP=y.
CCM_LOCAL_SERVICES=	Services (dhcp, dns or cdns) to enable
CCM_PORT=	Central Configuration Management (CCM) port; default value is: • **1234** if CNR_CCM_MODE=local • **1244** if CNR_CCM_MODE=regional
CCM_RGNL_IP_ADDR=	IP 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 CNR_ADMIN= unset
CNR_PASSWORD=	Superuser password. To skip configuring the superuser password, value should be CNR_PASSWORD= unset.
CNR_CCM_MODE=	CCM mode; set to **local** or **regional**.
CNR_CCM_TYPE=	Reserved for GSS installation. Introduced in Cisco Prime Network Registrar 7.0; always set to **cnr**.
CNR_EXISTS=	If set to **y** (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 CNR_LICENSE_FILE =unset if CNR_CCM_MODE=local for Cisco Prime Network Registrar 8.x.
DATADIR=	Fully qualified path to the data directory
JAVADIR=	Fully qualified path to the Java installation (JRE 1.5.0_6 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 **y** 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=	Sets whether or not to start the Cisco Prime Network Registrar servers automatically at the end of the product installation. Should be set to **y** unless you explicitly want to manually start the servers.
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 **y**.

Table A-1   Silent-Response File Entries for Linux (continued)

Silent-Response File Entry	Description
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 **y** (see also KEYSTORE_FILE and KEYSTORE_PASSWORD).
WEBUI_PORT=	Port number that the web UI uses for HTTP traffic; default value is: • **8080** if CNR_CCM_MODE=local • **8090** if CNR_CCM_MODE=regional
WEBUI_SEC_PORT=	Port number that the web UI uses for HTTPS traffic; default value is: • **8443** if CNR_CCM_MODE=local • **8453** if CNR_CCM_MODE=regional

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

- Windows:

  `setup.exe –s –f1`*path+response-file*

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  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.

- Solaris:

  `pkgadd –a` *pkgdir***/nwreg2/install/cnradmin –d** *pkgdir* **–r** *response-file* **nwreg2**

- 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 -f1`*uninstall_response_file*

- Solaris—invoke the silent uninstallation:

  `pkgrm -a` *pkgdir***/nwreg2/install/cnradmin -n nwreg2**

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

  `uninstall_cnr`