



# CHAPTER 3

## Installing the CNR LEG

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This module describes the CNR LEG installation procedures for both Windows and Solaris platforms. It also describes the uninstall procedure.

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### Prerequisites

CNR LEG is operable with any CNR version 5.0 or later.

The platform requirements (OS/CPU/RAM/disk) are the same as the CNR requirements for both Windows and Solaris. See the [Cisco Network Registrar \(CNR\) Installation Guide](#)

### Package Contents

CNR\_LEG

**Table 3-1** File layout of CNR LEG distribution package

Root	Folder (under root)	File name	Notes
pkg-ext-dir			
		readme.cnrleg	Short description of CD content
		INSTALL.dat	Quick installation instructions
	doc		

*File layout of CNR LEG distribution package (continued)*

Root	Folder (under root)	File name	Notes

## Installing the CNR LEG on Windows



Note

**cnr-inst-dir**

Step 1

Step 2

Step 3

- Unzip the CNR Package to **pkg-ext-dir**.
- Copy all files under **pkg-ext-dir\winnt** to **<cnr-inst-dir>\Extensions\DHCP\Dex\**.  
If the **\Extensions\DHCP\Dex\** folder does not exist, it must be created.
- Copy the sample configuration file from **pkg-ext-dir\doc** to a directory of your choice, hereafter referred to as **cfg-dir**.

**Step 4** Configure the CNR LEG using the sample configuration file

See [Information About Configuring the CNR LEG, page 4-1](#).

**Step 5** Configure the SM

See [Information About Configuring the Subscriber Manager, page 4-4](#).

**Step 6** Register the CNR LEG with the CNR

- Run the CNR **<cnr-inst-dir>/bin/nrcmd** command-line utility.
- Log in to the CNR **nrcmd** CLU.

To log in, type the following command:

```
nrcmd [-C cluster] [-N user] [-P password]
```

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```
nrcmd>extension smleg create dex cnrleg.dll cnrLegPostSendPacket
nrcmd>extension smleg set init-entry=cnrLegInitEntry
nrcmd>extension smleg set init-args=cfg-dir/cnrleg.cfg
nrcmd>dhcp attachExtension post-send-packet smleg 11
nrcmd>extension smlegext create dex cnrleg.dll cnrLegPostPacketDecode
```

1. Any sequence number can be used for this command.

```
nrcmd>
nrcmd>save
nrcmd>server DHCP reload
```



**Note** You must use the full path in the `init-args` argument.



**Note** You must use a slash (“/”) and not a back-slash (“\”) as the path separator.

## Installing the CNR LEG on Solaris

- Step 1** Extract the SM LEG distribution file
- Step 2** Locate the CNR LEG distribution tar file under the CNR LEG directory
- Step 3** Extract the CNR LEG distribution and copy the files
- Extract the CNR Package to . For example:
 

```
#>tar xvf cnr-leg-dist.tar
```
  - Copy `libcnrleg.so` under `pkg-ext-dir/solaris` to `<cnr-inst-dir>/extensions/dhcp/dex`.
  - Copy the sample configuration file from `pkg-ext-dir/doc` to a directory of your choice, hereafter referred to as `cfg-dir`.
- Step 4** Configure the CNR LEG using the sample configuration file  
See [Information About Configuring the CNR LEG, page 4-1](#)
- Step 5** Configure the SM  
See [Information About Configuring the Subscriber Manager, page 4-4](#).
- Step 6** Register the CNR LEG with CNR
- Run the CNR `<cnr-inst-dir>/bin/nrcmd` command-line utility.
  - Log in to the CNR `nrcmd` CLU.  
To log in, type the following command:
 

```
nrcmd [-C cluster] [-N user] [-P password]
```
  - Configure the following:
 

```
nrcmd>extension smleg create dex libcnrleg.so cnrLegPostSendPacket
nrcmd>extension smleg set init-entry=cnrLegInitEntry
nrcmd>extension smleg set init-args=cfg-dir/cnrleg.cfg
nrcmd>dhcp attachExtension post-send-packet smleg 12
nrcmd>extension smlegext create dex libcnrleg.so cnrLegPostPacketDecode
nrcmd>dhcp attachExtension post-packet-decode smlegext 13
nrcmd>save
nrcmd>server DHCP reload
```



**Note** You must use the `cfg-dir` full path in the `init-args` argument.

- Any sequence number can be used for this command.
- Any sequence number can be used for this command.
- Any sequence number can be used for this command.



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You must use a slash (“/”) and not a back-slash (“\”) as the path separator.

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## Uninstalling the CNR LEG

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### Step 1

- `<cnr-inst-dir>/bin/nrcmd`
- `nrcmd`

`nrcmd [-C cluster] [-N user] [-P password]`

- ```
nrcmd>dhcp detachExtension post-send-packet 1
nrcmd>extension smleg delete
nrcmd>dhcp detachExtension post-packet-decode 1
nrcmd>extension smlegext delete
nrcmd>save
nrcmd>server DHCP reload
```

### Step 2

- `<cnr-inst-dir>/extensions/dhcp/dex`
  - `cfg-dir/cnrleg.cfg`
-