



# Release Notes for Cisco License Manager Release 3.0

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## Introduction

Cisco License Manager is a software application that assists you in obtaining licenses from Cisco, deploying the licenses to the Cisco devices in your network, discovering the devices, and managing and viewing your inventory of licenses and devices. Cisco License Manager is used with Cisco devices that require Cisco licensing. New or upgraded Cisco devices should be registered, and a product authorization key (PAK) must be provided to obtain licenses from Cisco.



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This application provides two external interfaces that enable you to perform several licensing tasks from a central location:

- Application programming interface (API)—A programmatic interface that enables client programs to invoke functions implemented on the back-end server, allowing you to integrate Cisco License Manager into your systems. You can also use the API to write custom programs to perform your licensing tasks using Java.
- Graphical user interface (GUI)—A standalone Java application that provides an end-user interface that you can use to invoke functions implemented on the back-end server.

**Note**

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You can use the Cisco IOS command-line interface (CLI) to license your devices. For more information, see your device documentation.

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Cisco License Manager includes these features:

- Intuitive and easy-to-use GUI
- Maintenance of an up-to-date inventory of deployed licensed features on the network through notifications and optional polling
- Simplified license transfers from one device to another
- Agentless device communication using secure shell (SSH) or Telnet
- Improved detailed license reporting to help with audit compliance
- Full-functionality Java Software Developer Kit (SDK)
- Enhanced security with role-based access control and per-user access control lists for the managed network devices and PAKs
- Completely automated license management through a simple rule-based policy interface
- Troubleshooting capabilities and X.733-based alerts
- End Of Sale (EOS) and End Of Life (EOL) reports for Cisco IOS software releases, and Cisco devices
- Product Security Incident Response Team (PSIRT) report containing the Cisco IOS image version as well as the device that is impacted by the PSIRT

## System Requirements

Make sure that your system meets the Cisco License Manager server and client requirements described here:

- [Server Requirements, page 3](#)
- [Client Requirements, page 3](#)

**Note**

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For network and port requirements, see the *User Guide for Cisco License Manager*.

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## Server Requirements

[Table 1](#) lists the software and hardware requirements for the Cisco License Manager server. These requirements are also valid if you are installing the server and client on the same host.

**Table 1** *Server Software and Hardware Requirements*

Requirement Type	Minimum Requirements
Processor	x86-based processor, 500-MHz minimum SPARC platform-based processor, 250-MHz minimum
Software	Operating system <ul style="list-style-type: none"> <li>• Windows XP with Service Pack 2 or later</li> <li>• Windows 2003 Server</li> <li>• Solaris 10</li> <li>• Linux: RedHat 5.0</li> <li>• VMware</li> </ul>
RAM	1 GB for Windows (2 GB for Solaris and Linux)
Disk	200 MB



**Note**

Depending on the number of Cisco devices in your network, you might need to exceed the minimum hardware requirements listed in [Table 1](#).

## Client Requirements

[Table 2](#) lists the software and hardware requirements for the Cisco License Manager client workstation.

**Table 2** *Client Workstation Software and Hardware Requirements*

Requirement Type	Minimum Requirements
Processor	x86-based processor, 500-MHz minimum SPARC platform-based processor, 250-MHz minimum
Software	Operating system <ul style="list-style-type: none"> <li>• Windows XP with Service Pack 2 or later</li> <li>• Windows 2003 Server</li> <li>• Solaris 10</li> <li>• Linux: RedHat 5.0</li> </ul>
RAM	512 MB
Disk	5 MB

**Note**

Depending on the number of Cisco devices in your network, you might need to exceed the minimum hardware requirements listed in [Table 2](#).

## Devices Supported

[Table 3](#) lists the supported Cisco devices and the corresponding Cisco IOS software release.

**Table 3** *Supported Devices and Cisco Software Release*

<b>Device</b>	<b>Cisco Software Release</b>
Cisco 1861 Integrated Services Router	Cisco IOS Release 12.4(11)XW and later
Cisco 1900, 2900, 3900 Series Integrated Services Routers G2 (modular)	Cisco IOS Release 15.0(1) and later
Cisco 2811, 2821, 2851, 3825, and 3845 Integrated Services Routers (modular)	Cisco IOS Release 12.4(15)XY and later
Cisco ACE Application Control Engine Module	Release 3.0.0A1(3) and later
Cisco Application eXtension Platform (AXP)	Release 1.5 and later
Cisco AS5350XM and AS5400XM Universal Gateways	Cisco IOS Release 12.4(15)XY and later
Cisco ASA 5500 Series Appliances	Cisco ASA Release 8.2
Cisco ASA 5500 Series Content Security Services Modules (CSC-SSM-10, CSC-SSM-20)	Cisco Release 6.1.1587.0 and 6.2.1599.0 and later
Cisco ASR 1001 Aggregation Services Routers	Cisco IOS XE Release 3.2S and later
Cisco ASR 9000 Aggregation Services Routers	Cisco IOS XR Release 3.9 and later
Cisco C860 and C880 Integrated Services Routers (fixed)	Cisco IOS Release 12.4(15)XZ and later
Cisco Catalyst Blade Server (CBS) 3100 Series Switches	Cisco IOS Release 12.2(35)SE and later
Cisco Catalyst 3750-X Switch family	Cisco IOS Release 12.2(53)SE2 and later
Cisco Catalyst 3560-X Switch family	Cisco IOS Release 12.2(53)SE2 and later
Cisco Catalyst 3750-E Switch family	Cisco IOS Release 12.2(35)SE and later
Cisco Catalyst 3560-E Switch family	Cisco IOS Release 12.2(35)SE and later
Cisco Catalyst 4500E Series Switches	Cisco IOS XE Release 3.1.0SG and later
Cisco Catalyst 6500 Series Firewall Services Module	Release 3.1 and later
Enhanced EtherSwitch Service Modules for Integrated Services Routers (ISRs)	Cisco IOS Release 12.2(52)SE and later

**Table 3** Supported Devices and Cisco Software Release (continued)

Device	Cisco Software Release
Cisco Intrusion Prevention System Advanced Integration Module	Cisco IPS Release 6.0(4) and later
Cisco IPS 4000 Series Sensors	Cisco IPS Release 6.0 and later
Cisco MDS 9000 Family of Multilayer Switches	Cisco SAN-OS Release 3.3.x and Cisco MDS 9000 NX-OS Release 4.1.1 and later
Cisco Nexus 7000 Family of Multilayer Switches	Cisco Nexus 7000 NX-OS Release 4.0(1) and later
Cisco PIX 500 Series Appliances	Cisco PIX OS Release 7.0 and later
Cisco uBR10000 Series Universal Broadband Routers	Cisco IOS Release 12.2(33)SCC and later
Cisco Unified Communications 500 Series for Small Business	Cisco IOS Release 12.4(11)XW6 and later
Cisco Unity Express Network Modules	Release 7.1.1 and later
Cisco XR 12000 Series Routers	Cisco IOS XR Release 3.6 and later

## Third-Party Software Included

Cisco License Manager includes Java Runtime Environment (JRE) 1.6 in both the Server package and the Client package.

## Installation Notes

The LAN Management Solution (LMS) and Cisco License Manager do not function correctly if they are installed on the same machine.

## Installing Cisco License Manager Release 3.0

These sections describes how to download, install, and uninstall (if necessary) the Cisco License Manager Release 3.0 software:

- [Downloading Cisco License Manager Software Packages, page 6](#)
- [Installing Cisco License Manager By Using the Installation GUI, page 6](#)
- [Uninstalling Cisco License Manager, page 8](#)



### Note

For installation considerations, required installation preparations, and upgrading from Cisco License Manager 2.2, see the *User Guide for Cisco License Manager, Release 3.0*. To install the Java SDK, see the *Java API Reference Guide for Cisco License Manager, Release 3.0*.

## Downloading Cisco License Manager Software Packages

To download the software packages for Cisco License Manager, complete these steps:

- Step 1** From the appropriate server host or client workstation, access <http://www.cisco.com/go/clm> and click **Download Software**.



**Note** You must log in using your Cisco.com username and password before you can download the software. You can also download the software from the Software Download area on Cisco.com after entering your Cisco.com username and password.

- Step 2** On the Download Software page, select the release that you want to download.
- Step 3** Click the **Download Now** button next to the WinZip file to launch a windows with detailed information about the selected release and to add it to the Download Cart.



**Note** The WinZip filenames are clm3.0-base-k9-windows.zip for Windows, clm3.0-base-k9-solaris.zip for Solaris, and clm3.0-base-k9-linux.zip for Linux.

- Step 4** Verify that the software and image information is what you want, and click **Proceed With Download**.
- Step 5** To accept the Conditions and to begin the software download, click **Accept**.
- Step 6** Download and save the Cisco License Manager zip file to your host or workstation. This zip file includes both the Server package and the Client package.



**Note** Cisco License Manager is free. There is no charge to download, install, or to use it.

- Step 7** Locate the saved file on the host or workstation, and unzip the file to your local drive or disk.

## Installing Cisco License Manager By Using the Installation GUI

To install Cisco License Manager on the host or workstation by using the installation GUI, complete these steps:

- Step 1** Navigate to the folder where you downloaded the Cisco License Manager file.
- Step 2** Double-click **clm\_installer.bat** to start the installation program. A welcome message appears.
- Step 3** Click **Next**.



**Note** Throughout the installation, if you want to change something on a previous window, click **Previous**. Click **Cancel** to stop the installation.

- Step 4** Review the license agreement and indicate your agreement by selecting the appropriate radio button. After you choose to accept the terms of the license agreement, click **Next**.

- Step 5** Select the options you want to install:
- To install both the server and client packages, click **Next**. All check boxes should be checked.
  - To install only the server package, uncheck Cisco License Manager Client and click **Next**. The Cisco License Manager Server check box should be the only one checked.
  - To install only the client package, uncheck Cisco License Manager Server and click **Next**. The Cisco License Manager Client check box should be the only one checked.

- Step 6** To choose the default installation directory, click **Next**.

To choose a different installation directory location, click **Choose** to navigate to the desired location. Select the appropriate directory and click **Next**.



**Note** If you made a mistake while choosing a different directory, click **Restore Default Folder**. The default installation directory is restored.

- Step 7** If you selected the option to install the client package only, proceed to Step 12. If you are installing the server or the combined server and client configuration, continue with Step 8.

- Step 8** If you want to change the server port, the event listening port, and the reporting service port, enter port numbers within the range from 1024 to 65535. Enter nothing if you want to accept the default port settings.

To use secured communication between the Cisco License Manager server and the client, check **SSL enable**.

Click **Next**.

The server listens to the TCP/IP port to receive service requests from the client program and to receive events from the Cisco devices in the network.

- Step 9** If you have SSL-enabled Cisco devices and you want Cisco License Manager to communicate with those devices, click **Yes**. Choose a certificate file for Secure Socket Layer (SSL) authentication between Cisco License Manager and the Cisco devices by clicking **Choose**, navigating to the certificate file location, and clicking **Next**.

If you do not have SSL-enabled Cisco devices, click **No** and **Next**.

- Step 10** Enter the administrator password in the Password field. Reenter the password in the Confirm Password field. If these match, click **Next**.



**Tip** Remember to store your administrator password in a safe place. If you cannot remember your password, you will have to reinstall Cisco License Manager.

- Step 11** Enter your SMTP e-mail server using either the IP address or the hostname and domain name, and click **Next**. Example: my\_mail\_server.domain.com

You might see a message stating that your e-mail server cannot be reached. If you want to continue, click **OK**. If you want to reenter the e-mail server, click **Previous** and reenter a server name.



**Tip** If your e-mail server cannot be reached, try one of these troubleshooting actions:

- Verify the spelling of the e-mail server name.
- Ping the e-mail server using another program to see if it is reachable.

- Skip this step and update the e-mail server after the installation.

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- Step 12** If there is a proxy server configured in your environment for accessing the internet, select **Manual Proxy Configuration** and click **Next**.
- Step 13** Set the proper proxy server and ports, and click **Next**. If you do not want to configure a proxy server, choose **No Proxy** and click **Next**.
- Step 14** Specify your priority for using the Cisco License Manager database. You can choose between Performance and Scalability. Performance is recommended for better performance, and Scalability is recommended to manage more than 100,000 license-enabled devices.
- Step 15** Review the preinstallation summary information, and click **Install** to confirm the installation selections you have made. If you need to reenter installation information, click **Previous**.
- Step 16** Choose one of these options:
- Click **Yes, restart my system** to restart the system and complete the installation.
  - Click **No, I will restart my system myself** if you want to restart later.
- To complete the installation, you must restart your system.
- Step 17** Click **Done** to complete the installation and to exit the program.
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## Uninstalling Cisco License Manager

To uninstall Cisco License Manager, complete these steps:



### Note

For a Windows platform, only a user with an Administrator role can uninstall the application. For a Solaris platform, only the root can uninstall the application.

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- Step 1** Close all Cisco License Manager command and GUI windows, and stop the Cisco License Manager server.



### Caution

If you do not close these windows, the Cisco License Manager package will not uninstall completely. Any files that are referenced by open windows are not removed during the uninstallation.

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- Step 2** From a Windows platform, select **Start > All Programs > Cisco License Manager > Uninstall**.
- Step 3** From a Solaris platform, run `$CLM_HOME/bin/runUninstallCiscoLicenseManager`.
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# Limitations and Restrictions

This section describes the limitations and restrictions for Cisco License Manager. Limitations are issues that will not be fixed, and there is not always a workaround. For information about open and resolved caveats, see the [“Caveats” section on page 17](#).

- CSCsl40582

**Symptom:** If you click **Cancel** during installation, the incomplete installation prevents Cisco License Manager from being uninstalled or reinstalled normally. Specifically, if you try to uninstall, you see a message that Cisco License Manager is not installed, and if you try to reinstall, you see a message that Cisco License Manager is already installed.

**Condition:** Clicking **Cancel** during installation.

**Workaround:**

To avoid the problem, do not click **Cancel** during installation. Let the installation complete, then uninstall normally, and reinstall, if desired.

If clicking **Cancel** has caused an incomplete installation, follow the steps below to remedy the problem, and then reinstall.

**On Windows:**

1. Remove Cisco License Manager from the Registry. Open a command window and run the appropriate command, depending on the installation:

– Server and GUI client installation:

```
reg delete "HKLM\Software\Cisco Systems\CLM3.0"
```

– Server installation only:

```
reg delete "HKLM\Software\Cisco Systems\CLM3.0\Server"
```

– GUI client installation only:

```
reg delete "HKLM\Software\Cisco Systems\CLM3.0\Client"
```

2. Delete the Cisco License Manager folder.

**On Solaris:**

1. Remove Cisco License Manager from the registry by running the appropriate command depending on the installation:

– Server and GUI client installation:

```
pkgrm -n CSCOclm30; pkgrm -n CSCOclm30gui
```

– Server installation only:

```
pkgrm -n CSCOclm30
```

– GUI client installation only:

```
pkgrm -n CSCOclm30gui
```

2. Delete the Cisco License Manager folder.

## Important Notes

- [Cisco License Manager and the Mozilla Browser, page 10](#)
- [Extra Bytes in License File Received in a Microsoft Entourage Attachment, page 10](#)
- [Device-Specific Display Variation for License Information, page 10](#)

### Cisco License Manager and the Mozilla Browser

You might encounter problems when the Solaris or the Linux machine for the user is not properly linked with a Mozilla browser. Cisco License Manager uses the “mozilla” command to bring up the Mozilla browser. The Solaris or Linux environment might support other browsers (such as Firefox and SeaMonkey) that are brought up by other commands.

Users need to create Mozilla softlink to the path of the browser to be used. For more information, see the UNIX command `ln -s`.

### Extra Bytes in License File Received in a Microsoft Entourage Attachment

If you use Microsoft Entourage and receive the license file from Cisco in an e-mail attachment, the license file will contain UTF-8 marking. These extra bytes in the license file cause it to be unusable during license installation. To work around this issue, you can use a text editor to remove the extra characters and then install the license file. For more information about UTF-8 encoding, go to this URL:

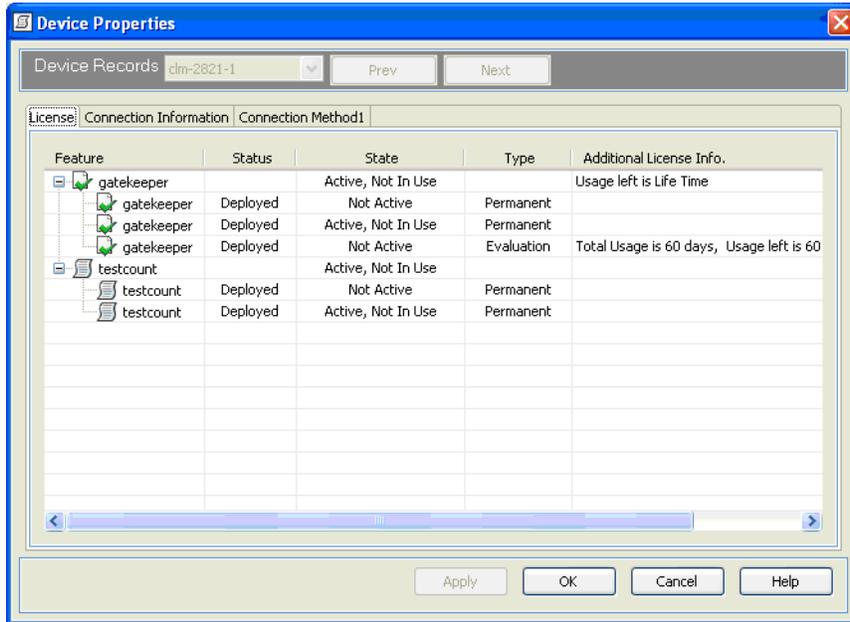
<http://www.w3.org/International/questions/qa-utf8-bom>

### Device-Specific Display Variation for License Information

When you poll license information from a device, the information retrieved by Cisco License Manager is shown in two representations:

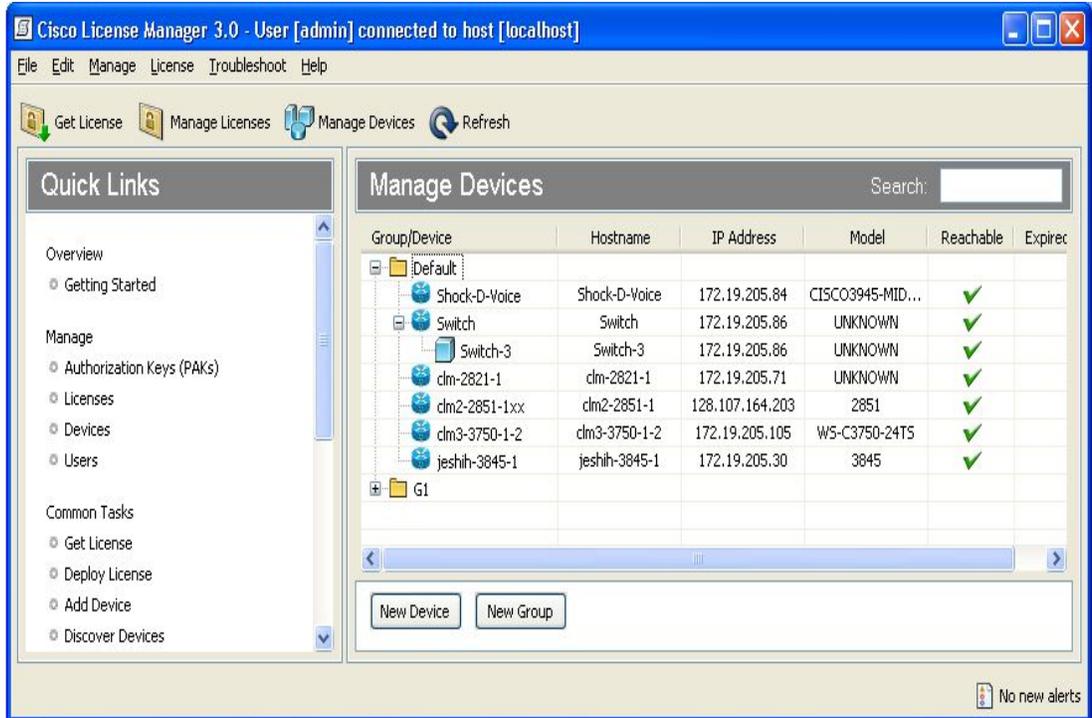
- Feature-based information is displayed in the Device Properties window, as shown in [Figure 1](#). All the licenses for a feature are grouped under the feature name, and information about the total usage left and the feature state is displayed.

**Figure 1 Feature-Based Representation**



- License-based information is displayed in the Manage Licenses window by grouping all the license information polled from a device under the Others category, as shown in Figure 2. For licenses obtained through a PAK, the information is grouped under the PAK name.

**Figure 2 License-Based Representation**



For most devices, Cisco License Manager Release 2.2 and later displays feature-based and license-based information as shown in Figure 1 and in Figure 2.

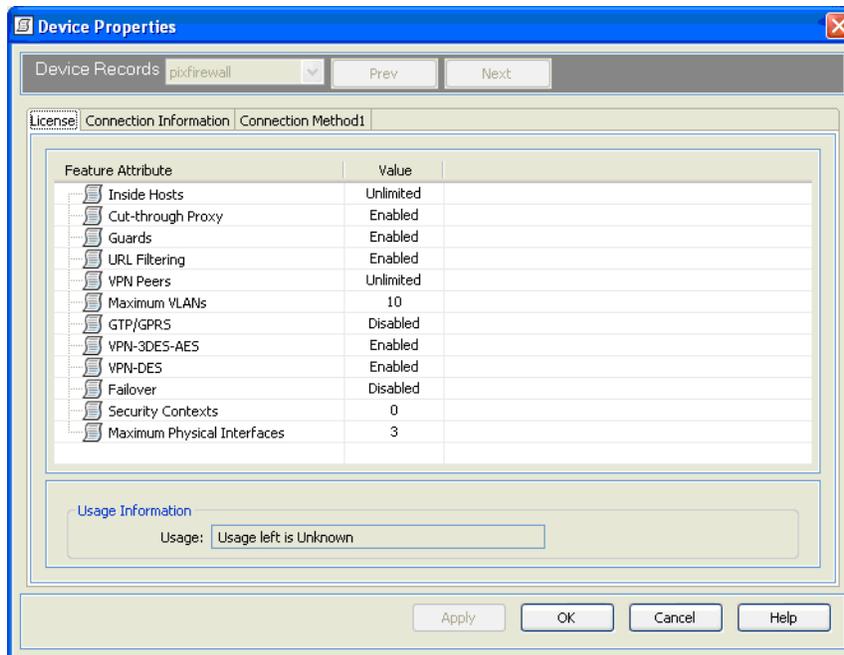
There is, however, a variation in the information display for these devices:

- PIX/ASA (see Figure 3 on page 13, Figure 4 on page 14, and Figure 5 on page 14)
- MDS9000/Nexus7000 (see Figure 6 on page 15 and Figure 7 on page 16)
- Mobility Service Engine (MSE) (see Figure 8 on page 17)

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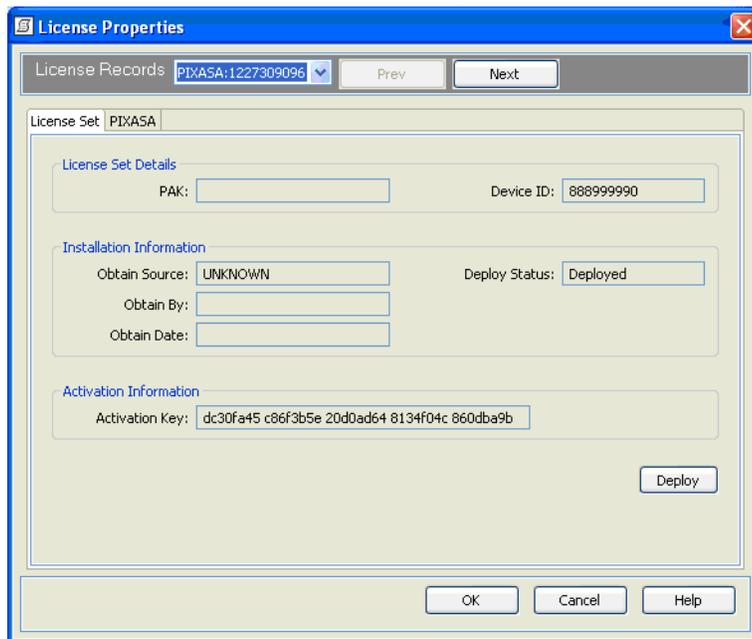
For PIX/ASA, the Device Properties window shows feature information only for the running activation key, as shown in [Figure 3](#).

**Figure 3** Feature Information for Running Activation Key

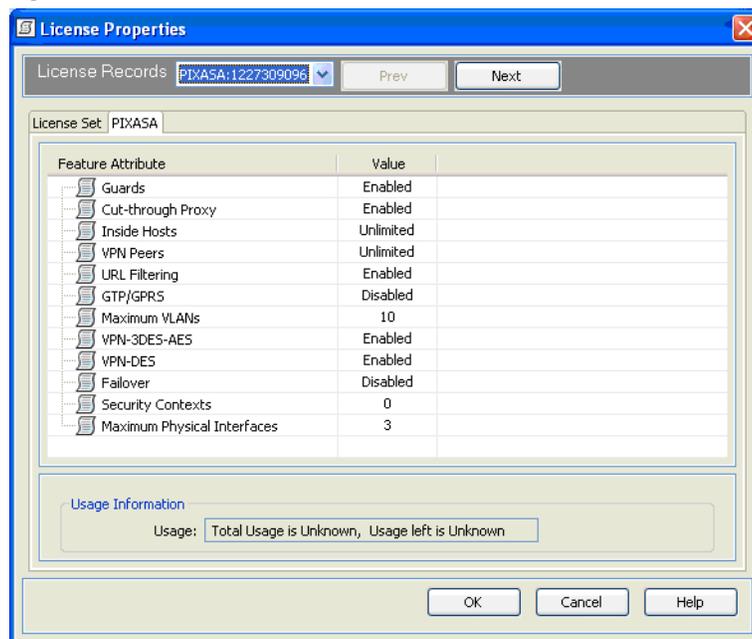


The information for other activation keys that are installed is displayed in the Manage License window. Cisco License Manager assigns a unique license ID to each activation key. The detailed feature information for each license is displayed in the License Properties window, as shown in Figure 4 and Figure 5. The Activation Key is shown in the License Set tab, and feature-based information for the activation key is shown in the PIX/ASA tab.

**Figure 4** PIX/ASA Activation Key Information for Given License

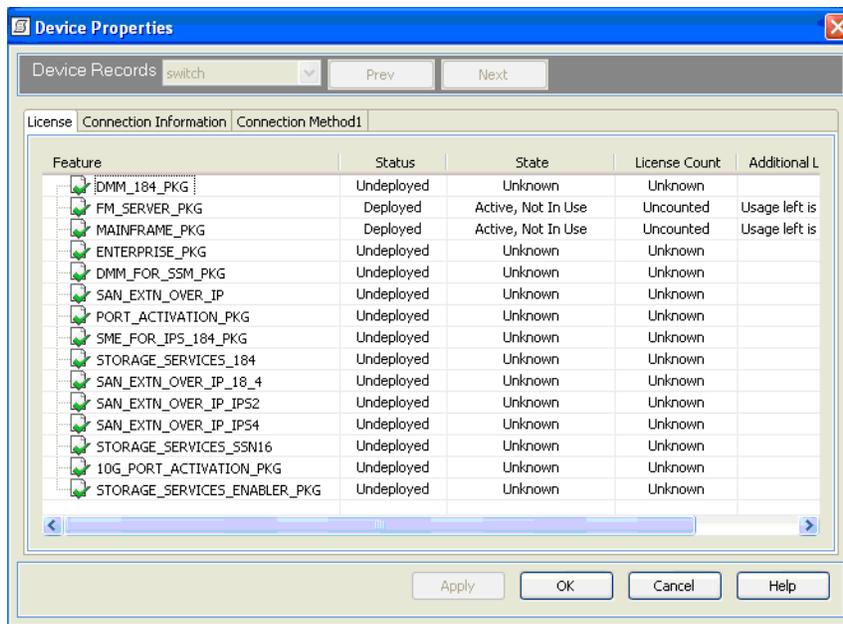


**Figure 5** Feature Information for Selected License



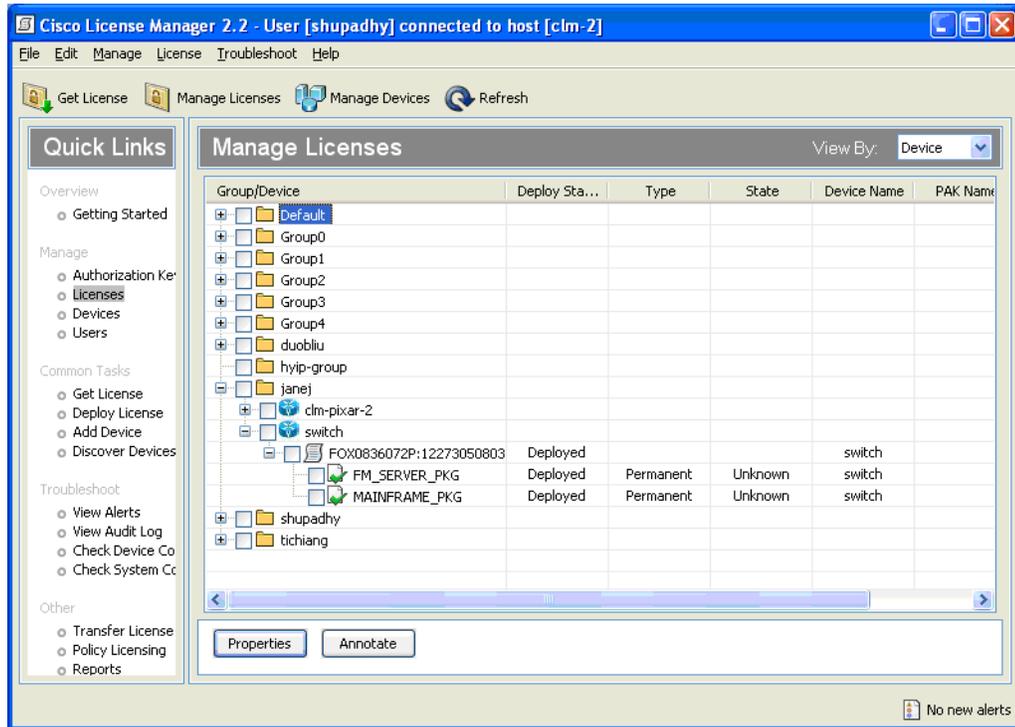
For MDS9000 and Nexus 7K switches, the current license information for all the features is displayed in the Device Properties window as shown in [Figure 6](#).

**Figure 6** Feature-Based License Information for MDS9000



For license-based information in the Manage Licenses window, Cisco License Manager creates a unique license ID for each license file retrieved from the device and displays the license information for the features contained in the license file under this heading, as shown in [Figure 7](#). If licenses are obtained using a PAK, the information is grouped under the PAK name.

**Figure 7 License-Based Information for MDS9000**



Cisco License Manager can only poll feature-based license information for Mobility Service Engine (MSE). As a result, only the feature-based information in the Device Properties window is updated, and the license-based information in the Manage Licenses window is left blank.

**Figure 8** Feature-Based Information for MSE

Feature	Status	State	License Count	Additional License Info.
MIR_CLIENT	Undeployed	Not Active	10	Usage left is 60 days
KAMAP	Undeployed	Not Active	20	Usage left is 60 days
TAG	Deployed	Not Active	51000	Usage left is Life Time
OTHER_ELEMENT	Deployed	Not Active	24000	Usage left is Life Time

## Caveats

- [Open Caveats, page 17](#)
- [Resolved Caveats, page 19](#)

## Open Caveats

This section describes possible unexpected behavior by Cisco License Manager. All the caveats listed in this section are open in Cisco License Manager Release 3.0.

Because the defect status continually changes, be aware that the list is a snapshot of the defects that were open at the time this release note was issued.

- CSCtb83670

**Symptom:** When moving 60,000 devices from one group to another group, the operation did not complete even after 24 hours.

**Condition:** This behavior happens when there is a very large number of devices in one group and an extremely large number of devices in the database.

**Workaround:** Try to better organize the devices and avoid putting a very large number of devices under one group. We recommend that you put no more than 2000 devices in one group.

- CSCtc04008

**Symptom:** The delete operation for 60,000 devices was not completed even after 35 hours. The Cisco License Manager GUI client does not respond during this time.

**Condition:** This behavior happens when there are very large number of devices in one group and an extremely large number of devices in the database.

**Workaround:** Try to better organize the devices and avoid putting a very large number of devices under one group. We recommend that you put no more than 2000 devices in one group.
- CSCtc39162

**Symptom:** Cisco License Manager encounters an internal error when trying to log in. During the readDevices test with 500,000 devices in the database, the login process takes a very long time and then Cisco License Manager displays the error.

**Condition:** This behavior happens when there is a very large number of devices in the database.

**Workaround:** There is no workaround for this problem because this is database performance issue.
- CSCtc50757

**Symptom:** The subdevices are not presented in the device explorer.

**Conditions:** In Get License Assistant, when Filter Devices By SKU is selected, the subdevices might not be visible when the parent device is being filtered out. In Transfer License Assistant and RMA Assistant, the subdevices might not be visible.

**Workaround:** In Get License Assistant, uncheck the Filter Devices By SKU checkbox. Then, in Transfer License Assistant and RMA Assistant, add the property line “FILTER\_ON\_PLATFORM\_INFO=NO” to the <INSTALL\_DIR>\conf\CLM\_UI.properties file and restart the GUI.
- CSCtc65618

**Symptom:** When the user obtains a new URLF license, the license status shows deployed while the licenseline under this license shows undeployed.

**Condition:** This behavior happens when a new license is obtained from the License Registration Server. Both the license status and the licenseline should show undeployed.

**Workaround:** Poll the device to get up-to-date license/licenseline status.
- CSCtd97110

**Symptom:** Cisco License Manager fails to transfer two or more licenses at a time.

**Condition:** This happens on some models, and TFTP returns an error when more than one license is rehosted.

**Workaround:** Use the HTTP method to discover the device. If Telnet is preferred, you can rehost only one license at a time.
- CSCte17851

**Symptom:** The DB restore script does not restore all poll settings for License, EOS/EOL, and PSIRT.

**Condition:** This behavior happens during backup and restore.

**Workaround:** After running the restore script, rerun the License EOS/EOL and PSIRT functions through the scheduler.
- CSCte29073

**Symptom:** Users try to expand the device nodes one-by-one from the top of the list of the Manage License window and find that the node at the bottom will not expand (the scroll bar is at the bottom).

**Condition:** This behavior happens only to the last node of the device tree in the Manage License window.

**Workaround:** Use the Device Properties window to view the licenses.

- CSCte36702

**Symptom:** Users find that “Active, In Use after Next Reload” is not displayed for a few image licenses after a successful license deployment and polling. If the device is added through HTTP, this information is displayed correctly.

**Condition:** This behavior happens when the user uses the Telnet protocol to poll the license.

**Workaround:** Create or discover the device by using HTTP.

- CSCte84293

**Symptom:** The Check License Portal function does not handle the proxy server correctly.

**Condition:** This function does not work if the proxy server is configured.

**Workaround:** There is no workaround. However, the user can try to download PAK information to see if the Cisco License Manager connection with Cisco.com via the proxy server is successful. If the download is successful, this means that the Cisco.com connection via the proxy server is successful.

- CSCtf19162

**Symptom:** Asynchronous APIs are not returning an error for invalid jobGroup and never completes.

**Condition:** This happens while using an API for asynchronous operation if an invalid jobgroup name is provided.

**Workaround:** Enter null for jobgroup name in the parameter.

## Resolved Caveats

Because the defect status continually changes, be aware that the list is a snapshot of the defects that were open at the time this release note was issued.

### Resolved in Cisco License Manager Release 3.0.12

The caveats in this section are resolved in Cisco License Manager Release 3.0.12 but might be open in previous Cisco License Manager releases.

- CSCtb79266

The Cisco License Manager GUI client content area is not updated after an error window or message window is closed.

- CSCtc32840

Cisco License Manager shows incorrect device hierarchy for multi-LC UBR10k when they are discovered using HTTP/HTTPS transport.

- CSCtc73669

The Add button in the Get License Assistant is disabled.

- CSCtg18565

Device type shown as “UNKNOWN” for SM-SRE module.

- CSCtg34051

See “Deployment Module Internal Error” due to “Dynamic License Storage.”

- CSCtg49049  
TS:MF: Unable to discover devices via HTTPS for Cisco License Manager.
- CSCtg51417  
TS:MF: Unable to discover devices via SSH for Cisco License Manager.

## Resolved in Cisco License Manager Release 3.0

The caveats in this section are resolved in Cisco License Manager Release 3.0 but might be open in previous Cisco License Manager releases.

- CSCsq27660  
The Cisco License Manager GUI takes a long time (about an hour) to update the view when the Refresh button is clicked.
- CSCso70310  
When managing large quantities of devices using CLM, you might see Java exceptions in Cisco License Manager error windows and log files. These Java exceptions include “out of memory error” and “RMI marshalling/unmarshalling error.”
- CSCso98199  
For valid PAK objects, the Perl API write\_paks gives the error “Input is null or 0 length.”
- CSCsv83394  
Creating a device by IP and discovering a device using Telnet or SSH protocols fails for Catalyst 3750-E mixed stacks.

## Troubleshooting

For troubleshooting information, see the *User Guide for Cisco License Manager* or the online help in the GUI application.

## Documentation Updates

This section contains the documentation updates.

## Errors

In the *User Guide for Cisco License Manager*, Release 3.0, the system requirement information for the server and the client workstation contains errors ([http://www.cisco.com/en/US/docs/net\\_mgmt/license\\_manager/lm\\_3\\_0/3.0\\_user\\_guide/ch03\\_ug.html#wp1076034](http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_user_guide/ch03_ug.html#wp1076034)).

Use the information in “System Requirements” section on page 2 of these release notes instead of the information in the user guide.

# Cisco License Manager Release 3.0 Documentation Set

Table 4 lists the Cisco License Manager Release 3.0 documentation.

**Table 4**      **Product Documentation**

Document	Location
Home page for Cisco License Manager documentation (all releases)	On Cisco.com at <a href="http://www.cisco.com/en/US/products/ps7138/tsd_products_support_series_home.html">http://www.cisco.com/en/US/products/ps7138/tsd_products_support_series_home.html</a>
<i>Release Notes for Cisco License Manager, Release 3.0</i>	On Cisco.com at <a href="http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_rn/lm_rn3.0.html">http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_rn/lm_rn3.0.html</a>
<i>Finding Documentation for Cisco License Manager, Release 3.0</i>	Adobe Acrobat PDF on SDK CD and on Cisco.com at <a href="http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_roadmap/clmrdmap.html">http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_roadmap/clmrdmap.html</a> (in HTML and PDF format)
<i>User Guide for Cisco License Manager, Release 3.0</i>	On Cisco.com at <a href="http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_user_guide/clm_book.html">http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/3.0_user_guide/clm_book.html</a>
<i>Java API Reference Guide for Cisco License Manager, Release 3.0</i>	Adobe Acrobat PDF on SDK CD and on Cisco.com at <a href="http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/java_api/java_api.html">http://www.cisco.com/en/US/docs/net_mgmt/license_manager/lm_3_0/java_api/java_api.html</a> (in HTML and PDF format)
Online help	In the user interface, click <b>Help</b> to display help in a separate window.

## 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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS Version 2.0.

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