



# Readme for Cisco Prime LMS Widget

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This document provides instructions for downloading and installing Cisco Prime LMS Widget. It also provides information on the features of Cisco Prime LMS Widget.

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## Introduction

CiscoWorks LMS simplifies configuration, administration, monitoring, and troubleshooting of Cisco devices and networks. However, users need to browse multiple screens to troubleshoot and resolve device and network issues. The Cisco Prime LMS Widget addresses this issue, by fetching critical information from the LMS server to your desktop, without the launching and browsing through the CiscoWorks LMS application.

The Cisco Prime LMS Widget is a RIA (Rich Internet Application) widget, developed using Adobe AIR technology. The widget connects to a CiscoWorks LMS server, fetches and displays critical information from the CiscoWorks LMS server, and resides on the user's desktop. The information displayed in the widget is grouped into six portlets and provides a high level view of the network status. Each portlet has a launch point to the CiscoWorks LMS application for taking subsequent actions.



# Installing Cisco Prime LMS Widget

The Cisco Prime LMS Widget is easy and quick to install. It is supported on Windows and Mac platforms. Cisco Prime LMS Widget has been tested on the following client operating systems:

- Windows—Windows XP Professional, Windows 7
- Mac—Leopard, Snow Leopard

## Prerequisites

Before you install Cisco Prime LMS Widget, you must:

- Read and accept the Cisco EULA in the Notices section. See, [Notices](#) for more information.
- Install Adobe Air from <http://get.adobe.com/air/>. The Cisco Prime LMS Widget has been tested using AIR 2.6.
- Install CiscoWorks LMS 4.0 or LMS 4.0.1 on a server to view information using the Cisco Prime LMS Widget. CiscoWorks LMS should be up and running in order for the portlets to display the information.

## Installation

To install the Cisco Prime LMS Widget on your Windows or Mac desktop:

- 
- Step 1** Go to <http://www.cisco.com/cisco/software/type.html?mdfid=283434800&flowid=19062>.
  - Step 2** Click the Cisco Prime LMS Widget Software link.
  - Step 3** Download the CiscoPrimeLMSWidget.air file.
  - Step 4** Navigate to the directory where you have downloaded the CiscoPrimeLMSWidget.air file.
  - Step 5** Double-click the CiscoPrimeLMSWidget.air file.
  - Step 6** Follow the instructions on the screen.

**Note**

During installation, a warning appears that the publisher is UNKNOWN. You can ignore this warning.

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After a successful installation, the Cisco Prime LMS Widget launches.

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# Accessing Cisco Prime LMS Widget

After you launch the Cisco Prime LMS Widget, to login for the first time, enter the following details in the Login screen:

- Protocol

Select one of the following:

- HTTP

If SSL is disabled, choose http.

- HTTPS

If SSL is enabled, choose https.

- LMS Server:

Enter the CiscoWorks LMS server hostname.

If you click the **Must match certificate** link, this document (Readme for Cisco Prime LMS Widget) will be launched.

We recommend you to enter the CiscoWorks LMS server hostname that appears in the Certificate popup. If the hostname does not match the one specified in the certificate, you will have multiple security alerts. [Figure 2](#) (For Windows machines) and [Figure 4](#) (For Mac machines) show the hostname in the Certificate popup.

- Port

- If you have chosen HTTP as the protocol, enter the http port of the LMS server. The default http port for the LMS server is 1741. If you have configured the port number of the http port during the installation of CiscoWorks LMS install, you must use the configured port number to login successfully.

- If you have chosen HTTPS as the protocol, enter the https port of the LMS server. The default https port for the LMS server is 443. If you have configured the port number of the https port during the installation of CiscoWorks LMS install, you must use the configured port number to login successfully.

- Username

Enter the CiscoWorks LMS server username.

- Password

Enter the password for the CiscoWorks LMS user.

Click **Login**.



## Note

When you launch the Cisco Prime LMS Widget, you must accept and install the SSL certificates. For more information, see [Installing Certificates to Avoid Multiple Popups](#).

After the you log into Cisco Prime LMS Widget for the first time, the widget connects with the LMS server and fetches critical information from the LMS server. The information is grouped into six portlets and is easily available at your desktop. The data is fetched from the CiscoWorks LMS server and auto refreshed every ten seconds.

During successive logins to the Cisco Prime LMS Widget, if you select the **Remember User Credentials**, Cisco Prime LMS Widget launches automatically with the credentials used in the previous session.

## Installing Certificates to Avoid Multiple Popups

This sections contains:

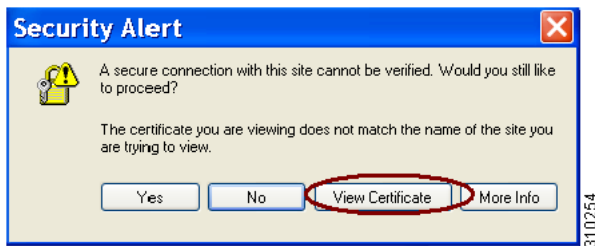
- [Installing Certificates to Avoid Multiple Popups in Windows](#)
- [Installing Certificates to Avoid Multiple Popups in Mac](#)

### Installing Certificates to Avoid Multiple Popups in Windows

When you launch the Cisco Prime LMS Widget for the first time in your Windows machine, you must accept and install the SSL certificates. To install the SSL certificate:

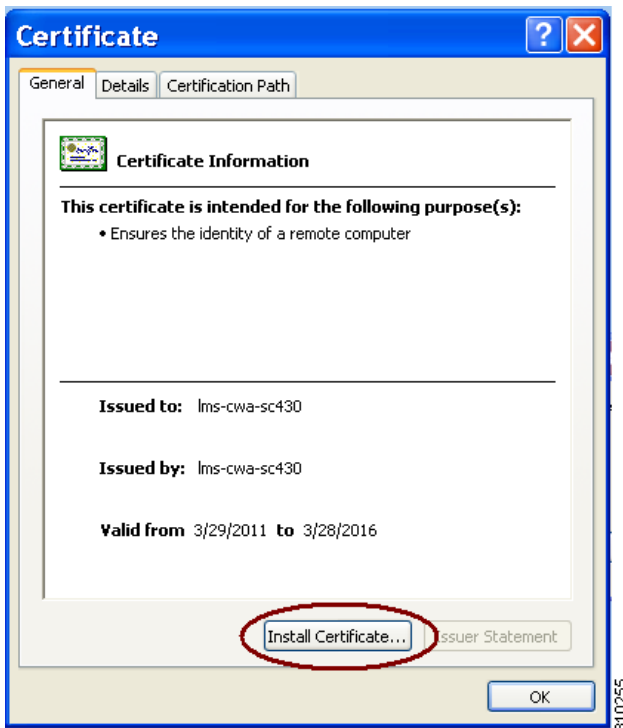
**Step 1** When the Security Alert popup appears, click **View Certificate**.

**Figure 1** Security Alert Popup



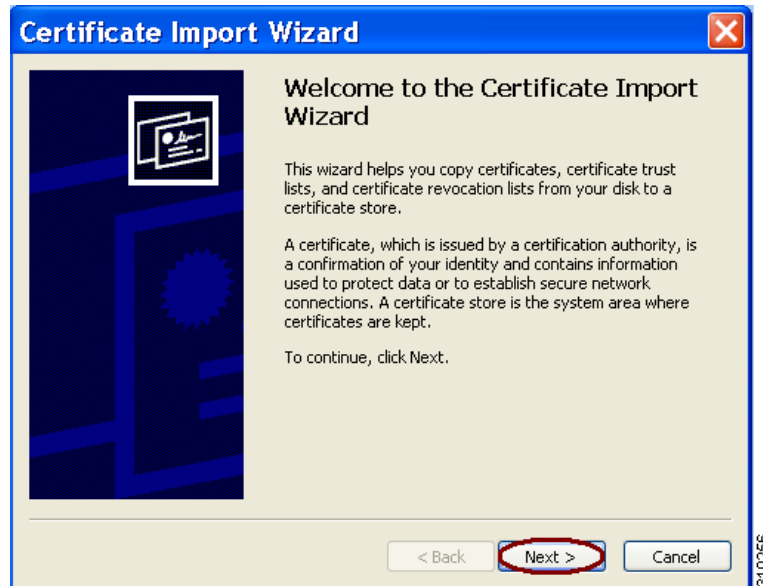
The Certificate Information popup appears.

**Figure 2** Certificate Information popup

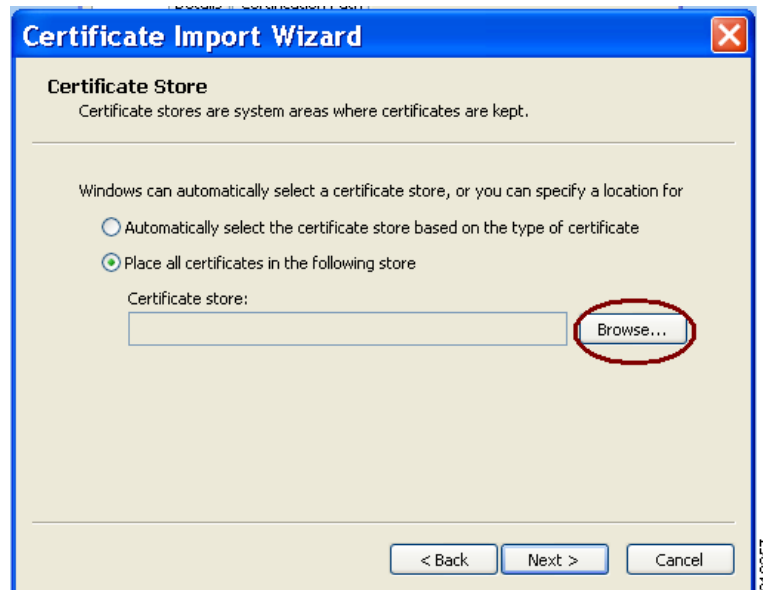


**Step 2** Click **Install Certificate**.

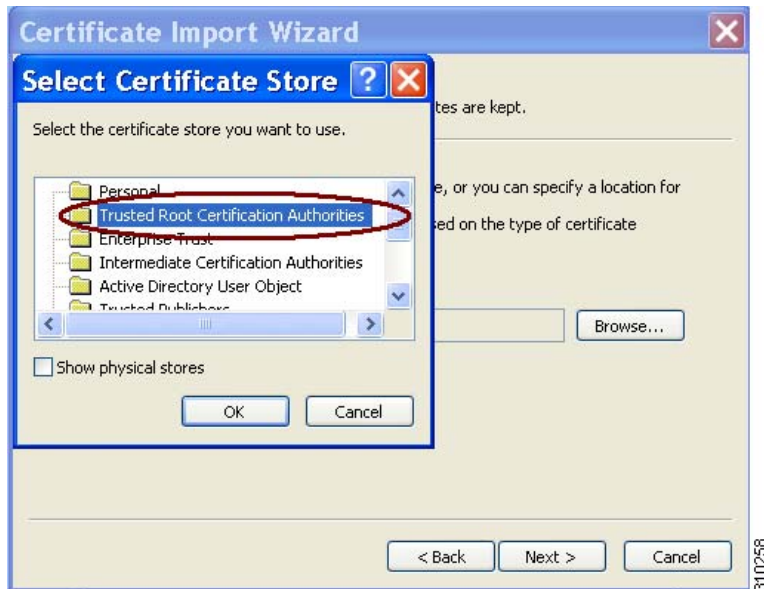
The Certificate Import Wizard appears.

**Step 3** Click **Next**.

Select the **Place all certificates in the following store** radio button.

**Step 4** Click **Browse** to select the certificate store that you want to use.

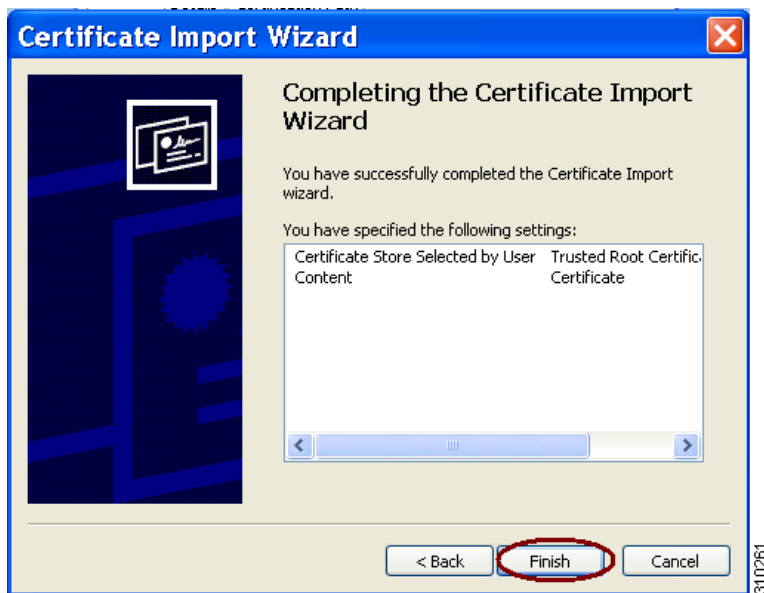
**Step 5** Select **Trusted Root Certification Authorities** from the Select Certificate Store popup.



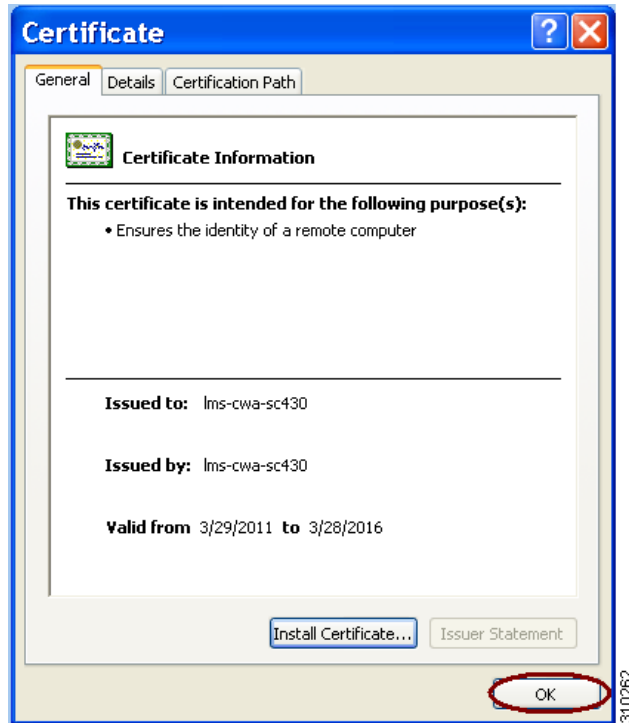
**Step 6** Click **OK**.

**Step 7** Click **Next**.

**Step 8** Click **Finish** to complete the Certificate Import Wizard.



**Step 9** Click **OK** in the Certificate Information popup.



## Installing Certificates to Avoid Multiple Popups in Mac

When you launch the Cisco Prime LMS Widget for the first time in your Mac machine, you must accept and install the certificate. To install the SSL certificate:

**Step 1** When the Verify Certificate popup appears, click **Show Certificate**.

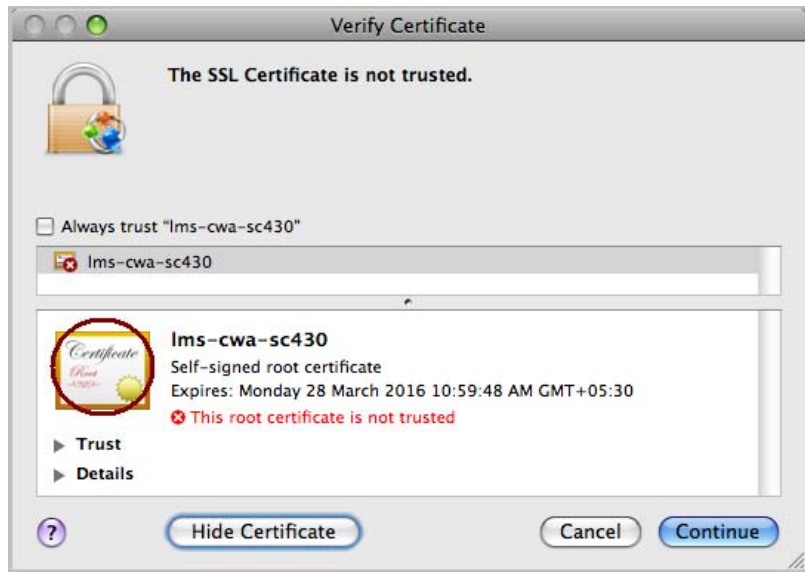
**Figure 3** Verify Certificate popup



You can click the Help icon to view detailed instructions for installing the certificate.

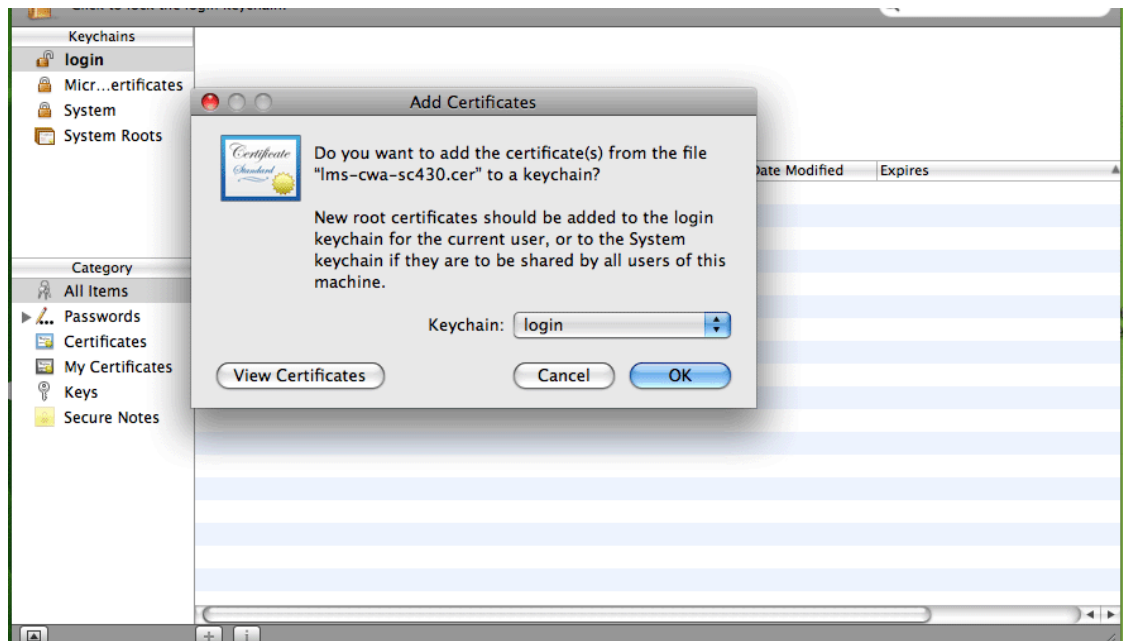
**Step 2** Drag the certificate icon to the desktop.

**Figure 4** Certificate Icon in the Verify Certificate popup



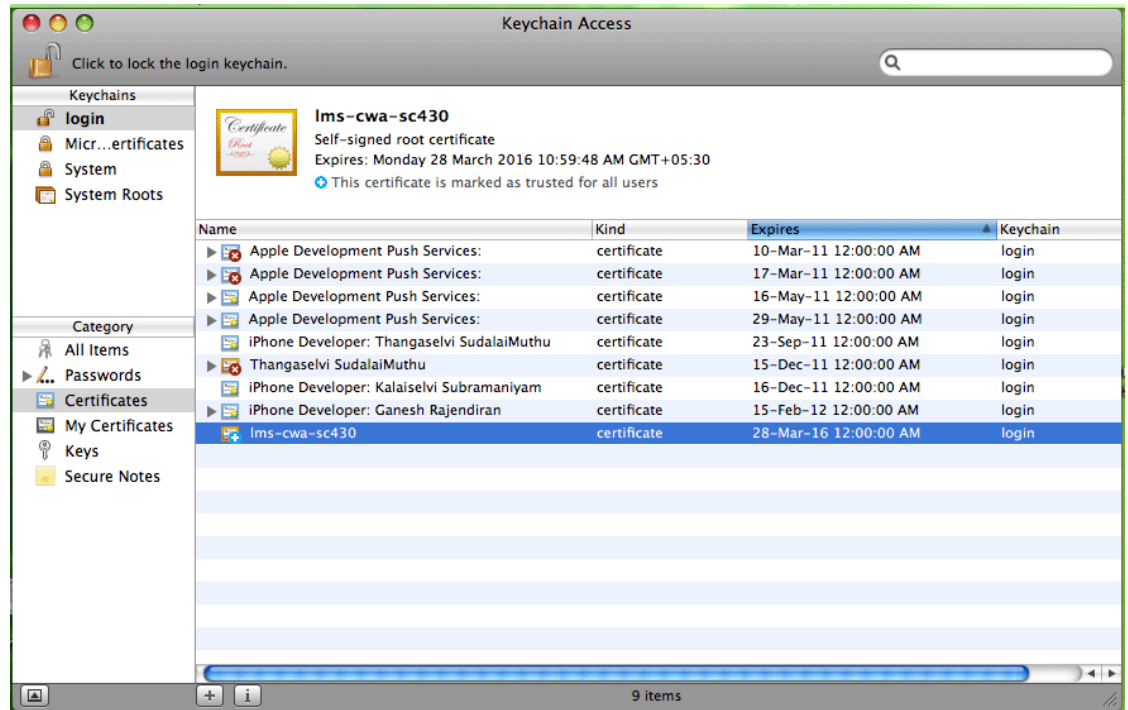
**Step 3** Drag the certificate file onto the Keychain Access icon or double-click the certificate file.

**Step 4** Choose a keychain from the popup menu and click **OK**.

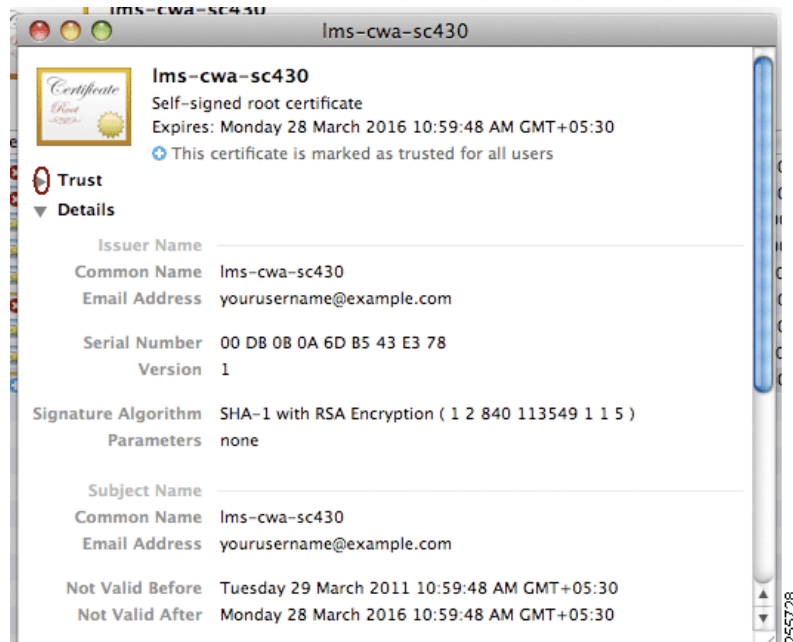




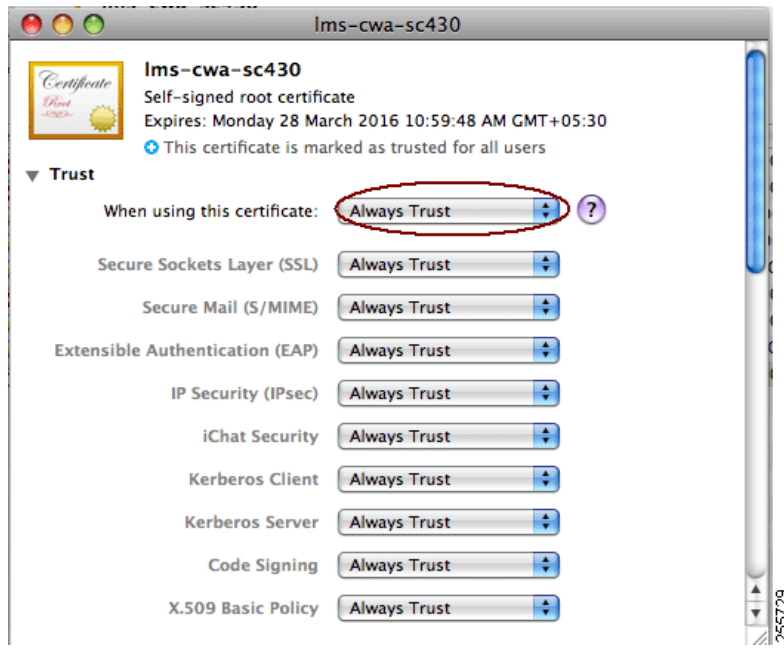
**Step 5** Select the certificate and right-click.



**Step 6** Click the Trust settings disclosure triangle to display the trust policies of the certificate.



**Step 7** To override the trust policies,select new trust policies from the popup menu.



# Understanding the Cisco Prime LMS Widget

After you log into the Cisco Prime LMS Widget, you can view a service panel that has six icons for six portlets, an alert bar, and a search bar.

Figure 5 shows the Cisco Prime LMS Widget.

**Figure 5** Cisco Prime LMS Widget



1	Cisco Prime LMS Icon	4	Portlets
2	User (by default). Click the drop-down arrow to view Help, Feedback, and Logout links.	5	Portlets with updates
3	Alert Bar	6	Search Bar

Table 1 describes each component of the Cisco Prime LMS Widget User Interface.

**Table 1** Components of the Cisco Prime LMS Widget User Interface





Element	Function
CiscoWorks LMS Icon	Click the CiscoWorks LMS icon to go to the CiscoWorks LMS product page on Cisco.com.
User	Shows the name of the user who is logged into the application. For example, admin.
Help	Launches this document, Readme for Cisco Prime LMS Widget.
Feedback	Enables you to provide your feedback on the Cisco Prime LMS Widget application.
Logout	Enables you to exit from the CiscoWorks LMS server.

**Table 1** *Components of the Cisco Prime LMS Widget User Interface (continued)*



Element	Function
Alert Bar	<p>When the data in any portlet changes, an alert message appears in the alert bar. You can view the latest five updates to the data in the portlets in the alert bar. You can click an alert to view the details in the corresponding portlet of the Cisco Prime LMS Widget.</p> <p>When the data in any portlet changes, the corresponding portlet icon gets highlighted with an alert icon, as in <a href="#">Figure 5</a>, and remains in this state until you click the portlet icon and view the updated details.</p>
Portlets	Click any of the portlet icons to view the details. <a href="#">Table 2</a> describes the portlets and their icons in the Cisco Prime LMS Widget interface.
Search Bar	Enables you to fetch and view the user tracking details of devices managed by CiscoWorks LMS. You can perform simple keyword search for devices based on their Hostname, MAC Address, or Username.

[Table 2](#) describes the portlets and their icons in the Cisco Prime LMS Widget interface.

**Table 2** *Portlets of Cisco Prime LMS Widget*

Icon	Name of Portlet	Function
	Device Discovery Summary	<p>You can view the summary of the discovered devices, the total number of devices discovered, reachable devices, unreachable devices, devices added to DCR, and devices updated to DCR.</p> <p>You can click the number corresponding to each field to navigate to the Device Discovery Report in the LMS server.</p>
	High Severity Faults	<p>You can have a consolidated real-time view of the operational status of your network.</p> <p>Click the Device Name link to navigate to the Detailed Device View page in the LMS server.</p>
	Fault Event Summary	<p>You can view details about the critical events encountered on the devices.</p> <p>Click the device count link against the corresponding event to navigate to the Device Fault Summary page in the LMS server.</p>
	Job Information Status	<p>You can view the details of CiscoWorks LMS jobs. The job details displayed are job ID, job type, job description, status, owner, and the scheduled time of the job.</p> <p>Click the Job ID link to launch the Job Details page, and view the Job and Device Summary in the CiscoWorks LMS server.</p>

**Table 2** *Portlets of Cisco Prime LMS Widget*

Icon	Name of Portlet	Function
	Discrepancies	You can view the type and count of discrepancies, such as network inconsistencies and anomalies or wrong configurations in the discovered network.  Click the number corresponding to the deviation to navigate to the Unacknowledged Discrepancy Report in the CiscoWorks LMS server.
	Best Practices Deviation	You can view details of deviations from normal or recommended practices in the network.  Click the number corresponding to the deviation to navigate to the Unacknowledged Best Practices Deviation Reports in the CiscoWorks LMS server.

## Important Notes

Here are some important notes for the Cisco Prime LMS Widget:

- If the LMS server to which the Cisco Prime LMS Widget is connected goes down, the Cisco Prime LMS Widget does not indicate this immediately. The message **Processing** appears. You must quit the Cisco Prime LMS Widget and launch it again.
- Login Failure error message appears in the Cisco Prime LMS Widget in any of the following scenarios:
  - Unable to reach the LMS server
  - Wrong credentials
  - Wrong LMS server name
  - Wrong port

## Uninstall

To uninstall Cisco Prime LMS Widget, see:

- [Uninstalling Cisco Prime LMS Widget from a Windows Client](#)
- [Uninstalling Cisco Prime LMS Widget from a Mac Client](#)

### Uninstalling Cisco Prime LMS Widget from a Windows Client

To uninstall Cisco Prime LMS Widget from a Windows Client:

- 
- Step 1** Go to the Control Panel in the Start menu.
  - Step 2** Select the Add or Remove Programs panel.
  - Step 3** Select Cisco Prime LMS Widget.
  - Step 4** Click **Remove** to uninstall Cisco Prime LMS Widget.
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## Uninstalling Cisco Prime LMS Widget from a Mac Client

To uninstall Cisco Prime LMS Widget from a Mac Client:

- 
- Step 1** Delete the directory LMS Widget.<number-string-combination> from the Mac's user preference in the directory /Users/<user name>/Library/Preferences/.
- Step 2** Go to Cisco Prime LMS Widget that is located in the /Applications folder, select it and click **Move to Trash**.
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## Service and Support

You can provide your feedback using the Feedback link in the user interface of the Cisco Prime LMS Widget or by reporting to [lms-widget-beta@cisco.com](mailto:lms-widget-beta@cisco.com).

## Notices

The following notices pertain to this software license and usage.

## Licenses

- Cisco EULA
- Adobe AIR SDK EULA
- As3corelib - ActionScript 3.0 library for several basic utilities.
- Osflex-1.0.3 - Open Source Flex 2.0 Components

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This Product includes software developed using library osflex-1.0.3.swc written by Derek Adams and Kirill Trofimov. Refer <http://sourceforge.net/projects/flex2components/>.

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