



# CHAPTER 6

## Licensing Devices

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## How the License File Works

Device licenses are stored in an XML file (see [Figure 6-1](#)). You import the file into the system through the Administrator console. The server measures energy use or applies policies only on devices that are licensed.

The license file includes the product and license ID, the number of devices in the Orchestrator system, the effective dates, and other information that helps the server recognize which devices to measure or manage.

**Figure 6-1** License File Example

```
Untitled - Notepad
File Edit Format View Help
<Signature>
  <SignedInfo>
    <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xmlschema#Canonicalization" />
    <SignatureMethod Algorithm="http://www.w3.org/2001/10/xmlschema#Signature" />
  </SignedInfo>
  <Reference URI="#license">
    <DigestMethod Algorithm="http://www.w3.org/2001/10/xmlschema#SHA1" />
    <DigestValue>FsmJ3ov5X2N/H/3FuE0ZZGT60HY=</DigestValue>
  </Reference>
</Signature>
<SignatureValue>
  kn94i8ciEv2G6vaxxy0XK39Vjbe1ugb+wBckZE2/3I1uIRfS4Qh
</SignatureValue>
<Object Id="ID">
  <License>
    <LicenseDeviceType>
      <devicecount>1000</devicecount>
      <devicetypeName>PC PMP Device Type</devicetypeName>
    </LicenseDeviceType>
    <License>
      <licenseEndDateTime>nil="true"/>
      <licenseId>102eced7-ac63-4488-b8e6-d5d2eba9</licenseId>
      <licenseStartDateTime>2009-08-05T00:00:00</licenseStartDateTime>
      <license>11b4ba7-1898-4739-a168-86988081</license>
      <licenseeContact>Organization Contact</licenseeContact>
      <licensor>Organization</licensor>
      <productId>ProductID</productId>
    </License>
  </Object>
</Signature>
```

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## Obtaining License Files

During the evaluation period, your Cisco representative works with you to determine the number of devices you want to license. When you deploy Orchestrator, your Cisco representative generates a single license file that contains the number of licenses determined, the license types, and other required data.

When you receive the file, you complete the steps in the Administrator console to apply the license to your devices.

## Viewing License Information

In the server settings of the Administrator console, you can see all licenses applied to an instance of Orchestrator as well as status information:

- Dates for when the license became active and when it expires
- Device families covered by the license and number of devices in each family
- Number of total licenses available and in use
- Licensee (your organization name), licensor's organization and individual contact names
- License unique ID

When you display a list of devices, you can also display a column that shows whether each device is licensed.

## Manage Licenses Page

You can add or remove license files and monitor license allocation from the Manage Licenses page. Click Manage Licenses on the Server menu to see the license settings.

**Table 6-1** Licenses Page

Settings	Description
Device	The type of device that is licensed under the selected license file. <ul style="list-style-type: none"> <li>• PC PMP—Computers on which the Orchestrator client agent is installed and on which you enforce policies. (Power Management Protocol (PMP))</li> <li>• EnergyWise—Agentless devices that are configured for a Cisco EnergyWise domain and are managed by Orchestrator, for example, EnergyWise-enabled switches, WAPs, IP phones.</li> </ul>
Total Licenses	The number of devices that are allowed to be licensed through the selected license files.
Total Allocated / Total Remaining	The number of licenses in the selected license file that are in use and the number that can still be used.

**Table 6-1** Licenses Page

Settings	Description
Start / End	The start and end dates during which the selected license file is valid.
Licensee	The organization to whom the license is issued.
Contact	The person or organization to contact to renew the license or to change its criteria.
Licensor	The organization that issued the license.
ID	The globally unique string used to identify and verify the license file, automatically generated when the file is created by the Licensor.

## Adding or Removing a License File

To license devices, you obtain a license file from your Cisco representative and then activate it to the system through the Administrator console.

This task describes how to add or remove a license file that you have already obtained for the number of device licenses you need.

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- Step 1** Log on to the server computer.
- Step 2** You can use options for saving the license file to the server local drive:
- Save the file attachment from e-mail.
  - Download the file from the customer portal address that you were given.
- Step 3** The license file is an XML file. If you received a .zip file, extract it, and confirm that the license file shows the .xml extension.



**Note** If the file does not show the .xml extension, open it in Notepad to confirm that it is an XML file, close it, and change or add the extension. If that does not work or if the file is not an XML file, contact your Cisco representative to resolve the problem.

- Step 4** Open the Administrator console, and on the Server Settings menu, click **Manage Licenses**.
- Step 5** Click **Add License File**:

- a. For Files of type, replace type Text by entering \*.\* to show all files.
- b. Go to the license file location, select the file, and click **Open**.

If you want to remove an existing license, select the file, and click **Delete**.

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If you add a license file, its information appears in the Administrator console, showing the number of licenses, where the license came from, and so on.

When you remove a license file, devices that are associated with it become unlicensed. Power use on those devices is not managed or measured.

