

# Chapter 1

## License Server QuickStart

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**Warning:** Read this topic carefully before installing the license server. **You must perform the installation steps precisely as they are given. In particular, if you are installing on Windows Vista:**

- In Step D of Procedure 1—Install the License Server Software, be sure to select the **Custom** radio button. (DO NOT select the **Typical** button or **Skip** button).
- In Step E of Procedure 1, be sure to **CLEAR** all check boxes in the Select configuration options dialog box.

If you do not perform these steps precisely as given, you risk destabilizing Vista.

Installation consists of the following procedures, to be performed in the prescribed order:

Procedure 1—Install the License Server Software

Procedure 2—Install the License File

Procedure 3—Configure the License Server and, if you installed hardware key drivers, reboot the computer.

Procedure 4—Test the License Server

**Tip:** You may be required to reboot your system during the installation. Print this document (pads\_license\_server\_qs.pdf) and keep it available for use after a possible system restart.

### Procedure 1—Install the License Server Software

**Tip:** If you reinstall the license server software, some dialog boxes named in this procedure may not appear.

To install the license server software:

- A. Autorun > Install License Server**
- B.** On the Welcome to Licensing dialog box, click **Next**.
- C.** In the Choose Destination Location dialog box, specify the folder to contain the license server software files. Accept the default location, unless you have a reason to change it, and then click **Next**.

**Result:** The installation program installs the license server software files on the computer.

- D. In the Configure Licensing dialog box, click the **Custom** button.
- E. In the Select configuration options dialog box, clear all of the check boxes and click **Next**.  
**Result:** Installation of the licensing software completes.
- F. Click **OK**.
- G. If the Please restart Windows dialog box appears, restart your system.
- H. If you do not use a hardware key to secure PADS software, or if you do use a hardware key and you are installing the license server on a system that already has the latest version of FLEXlm® installed on it, skip the remaining steps in this procedure and go to [Procedure 2—Install the License File](#).
- I. If you use a hardware key to secure PADS software and you are installing the license server:
  - i. **Autorun > Install FLEXid® Drivers**
  - ii. Accept all screen prompts.
  - iii. Reboot your system when prompted to do so.

## Procedure 2—Install the License File

**Important:** If you are installing on a **Windows Vista** system on which you have installed security, and have not rebooted in the current session, you must reboot your system before proceeding with this procedure.

To install the license file:

- A. **Autorun > Install License File.**
- B. Disable all anti-virus and anti-spyware software (for the duration of the installation) and click OK at the Installation Information prompt.  
**Result:** The Choose Licensing Scheme page appears.
- C. Click **Network license server** and click **Next**.
- D. On the Enter License File page, type your license file path or click **Browse** to select it, and then browse to the license file.  
**Tip:** If you received the license file by e-mail, copy the file to a temporary directory on the computer, such as C:\Temp\license.dat.
- E. Click **Next**.
- F. On the Enter License File Destination page, in the License file path box, browse to the license file path, for example, C:\flexlm\license.dat, and then click **Next**.

- G. On the Installation Complete page, click **Done**.

**Result:** The license file is installed.

- H. If you received the license by e-mail, open the license file with Notepad or another text editor. If needed, replace the second text field on the SERVER line with the host name of the license server. Save the file in plain text format (ANSI ASCII).

**Tips:**

- Write down the host and port information from the SERVER line in the license file, as it is needed when installing PADS application software on a client computer. The SERVER line syntax is: SERVER <host> <hostid> <port>.
- If you do not know the host name of the license server computer, open a command window and type ipconfig /all.

## Procedure 3—Configure the License Server

To configure the license server:

- A. **Start** menu > **Programs** > **Mentor Graphics Licensing** > **lmtools**.

**Result:** The LMTOOLS dialog box appears.

- B. Click the **Config Services** tab.

- C. In the Service Name box, type a familiar name, such as PADS License Server.

- D. In the Path to the lmgrd.exe file box, browse to the location of lmgrd.exe.

**Tip:** If you accepted the default license server file location when you installed the license server software, use C:\MentorGraphics\Licensing\Lmgrd.exe.

- E. In the Path to the license file box, browse to the license file. For example, C:\flexlm\license.dat.

- F. In the Path to the debug log file box, type the file path and file name. You can use any familiar name. For example, C:\flexlm\debug.log.

- G. Select the **Use Services** check box, and then select the **Start Server at Power Up** check box.

- H. Click **Save Service**.

- I. When the LMTOOLS dialog box appears, asking you whether to save the settings for the service, click **Yes**.

- J. In the main LMTOOLS dialog box, click the **Start/Stop/Reread** tab.

- K. In the Flexlm license Services installed on this computer box, confirm the service you specified in step C is selected, and then click **Start Server**.

- L. Close the LMTOOLS dialog box.
- M. Perform one of the following instructions:
  - If you were not prompted to reboot the computer, such as if you use a network interface card (NIC), you can [Procedure 4—Test the License Server](#) now.
  - If you were prompted to reboot the computer, such as if you use a hardware key to secure PADS software and installed new drivers, reboot the computer and perform the instructions in [Procedure 4—Test the License Server](#). Because this help does not automatically appear after the computer starts, you may want to print the instructions before you reboot the computer.

**Result:** The license server is running. A computer on the same network can access the floating license server by setting license environment variables using the <port>@<host> syntax. To set license environment variables on a client computer, click Install License File, on the Autorun window.

## Procedure 4—Test the License Server

**Requirement:** The license server must be installed before testing the license server.

To test the license server:

- A. **Start menu > Programs > Mentor Graphics Licensing > lmtools**
- B. Click the **Start/Stop/Reread** tab.
- C. In the Flexlm license Services installed on this computer box, confirm the service name you specified in step C of the [Procedure 3—Configure the License Server](#) procedure is selected.
- D. To verify the server status, click the **Server Status** tab, and then click **Perform Status Enquiry**. If the service you created is running, the message "mgclid: UP v<latest\_version>" appears among all the other messages.
- E. Close the LMTOOLS dialog box.
- F. Use pcls\_ok to verify that PADS features can be checked out. Perform the following steps:
  - i. **Start menu > Programs > Mentor Graphics Licensing > pcls\_ok**
  - ii. Type into the Feature box an INCREMENT name contained in the license file, such as pwreco or pwrghedit, and then click Apply. A message appears stating that the feature was successfully checked out.