

## Install OrCAD/Allegro 17.4 Products

The instructions presented below explain the installation process for Cadence OrCAD/Allegro v17.4 software products. These instructions support stand-alone workstations as well as network licensing.

[Preparing for Installation](#)

[Download & Install DM](#)

[Download & Install OrCAD/Allegro 17.4 using DM](#)

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The instructions that follow support stand-alone workstations as well as network licensing.

If you choose to use a dongle as your Cadence OrCAD/Allegro product license and locking method, attach the dongle to the USB port of your computer *after* the installation of your software is complete and you are ready to reboot your computer. You may receive a license manager error during the installation. If so, the error is expected and typically is resolved after you complete your installation and reboot your system.

### Preparing for Installation

Be sure to complete the tasks that follow before you begin installation of your OrCAD/Allegro products.

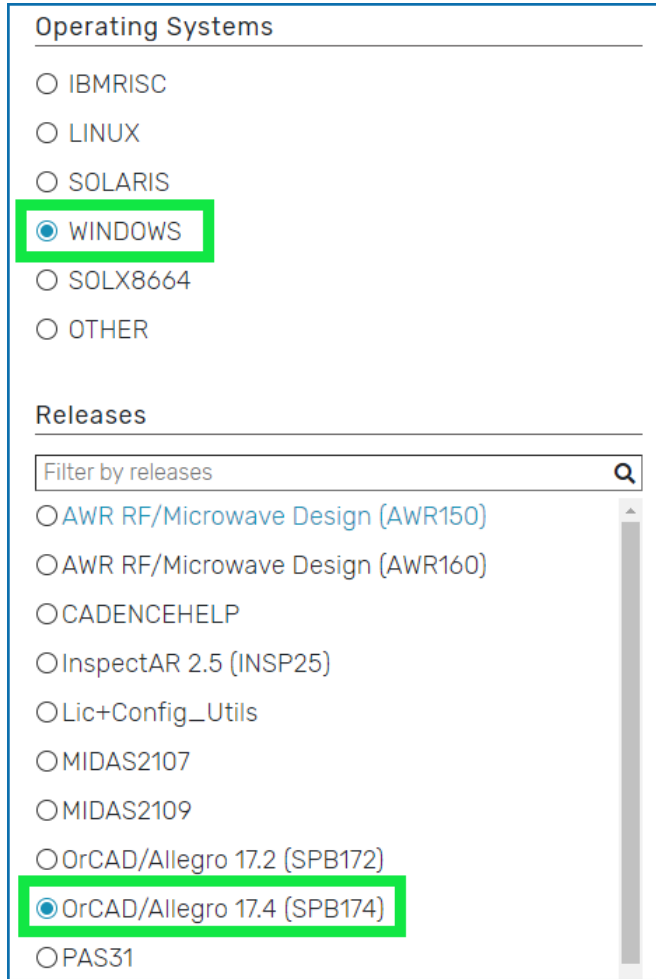
- **Save your license file** – EMA includes your license file with your software delivery. You may optionally receive a control file that enables you to selectively install a subset of OrCAD/Allegro products. If so, save that control file, which is not a required file, with your license file.
- **Identify the Hostname of your server or local workstation** – You need to verify the hostname of the server or workstation where your License Manager is installed. You can identify this by entering Hostname into a Command Prompt window. Optionally, if your software and license file is installed on a single computer you can use 'localhost' as your hostname.
- **Verify you have a USB port available (optional)** – a USB port is necessary only if you plan to use a USB Flex ID (dongle) for your product license and locking method.
- **Verify you have Administrative rights** – Admin rights are needed to conduct the installation of License Manager and recommended for the installation of OrCAD/Allegro software products.

Note: If you already have License Manager installed, it will be uninstalled during the base installation to enable the installation of the most recent version of License Manager.

### Download & Install Download Manager for OrCAD/Allegro 17.4 Products

# Cadence OrCAD/Allegro Installation and Licensing

1. Log into the Cadence Support URL: support.cadence.com.
2. Click the three parallel line icon (hamburg icon) to display the drop-list menu items select Software > Download Software.  
Note: The links and menus available from the Cadence Support webpage may appear differently when you use a different browser or a different browser window width.



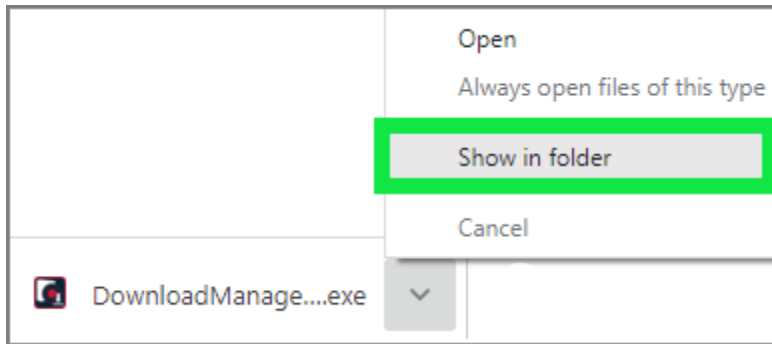
3. Select a radio option (located in the left part of the window) to indicate your system operating system. The screen image above for example, shows the selection of the Windows operating system. Then click the OrCAD product version that you want to install or update. If necessary, you may need to expand the visibility of the list.

The right part of the window updates to display options associated to the product version selected.

## Cadence OrCAD/Allegro Installation and Licensing

Base Release		<a href="#">View All Products in Release</a>
Release Name	OrCAD/Allegro 17.4 (SPB174)	
Release Date	20-Aug-2021	
Release Version	Download Manager	
Release Number	Download Manager	
Media	<a href="#">Download</a> Media 1 of 1 exe format, Size: 60668328 (57.86 MB)	

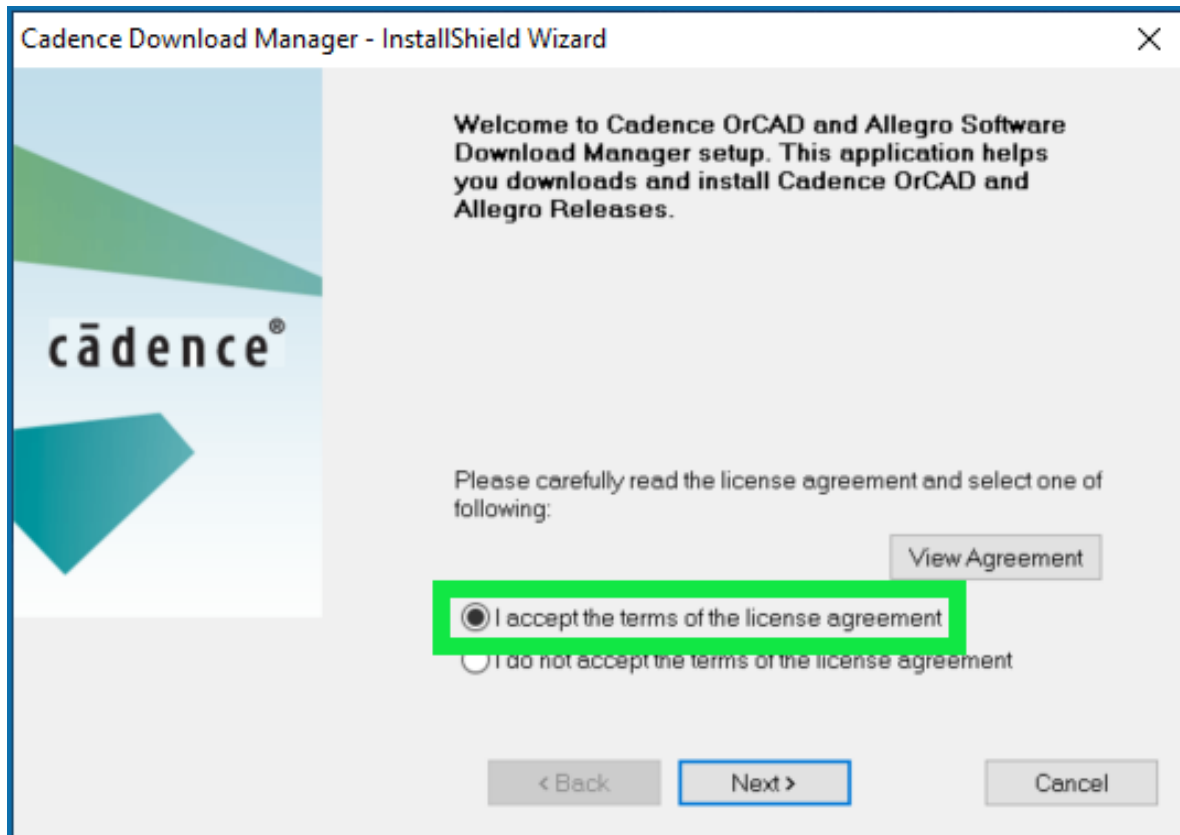
4. Scroll to the widow area for Base Release that has Download Manager as the Release Version and Release Number (shown in the screen image above). Then click the **Download** Media 1 of 1 exe. This initiates the download process.



5. Click the downloaded file (DownloadManager\*.exe) and select **Show in folder** from the pop-up menu.
6. Then click the executable file using your right mouse and select **Run as administrator** from the pop-up menu.

The InstallShield wizard that opens guides you through the installation of the Cadence Download Manager.

## Cadence OrCAD/Allegro Installation and Licensing



7. Review the license agreement. Select "I accept the terms of the license agreement" and click **Next** to continue.
8. Verify the installation directory and click **Next**.
9. The last page of the InstallShield Wizard offers options to create a shortcut icon on your desktop and "launch Download Manager now."

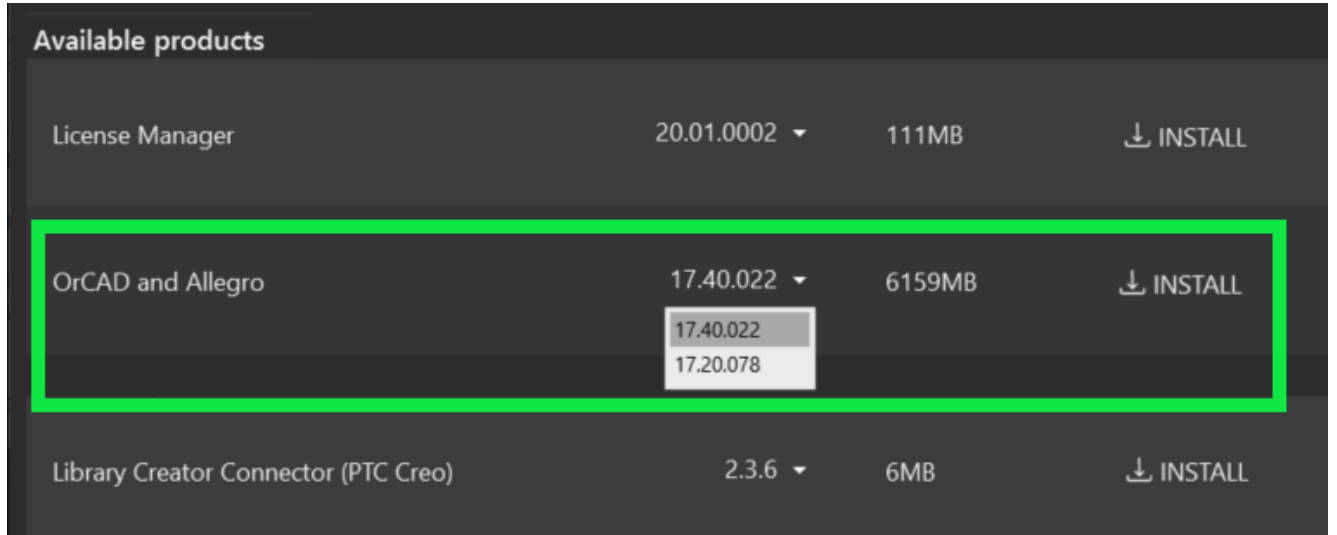
Click the **Finish** button to complete the installation of Download Manager.

Note: After Download Manager is installed, you can launch it at a later time by either entering and selecting **Download Manager** from your Windows Start menu, or by clicking your desktop icon if you chose to create on.

### Install OrCAD Products using the Cadence Download Manager

## Cadence OrCAD/Allegro Installation and Licensing

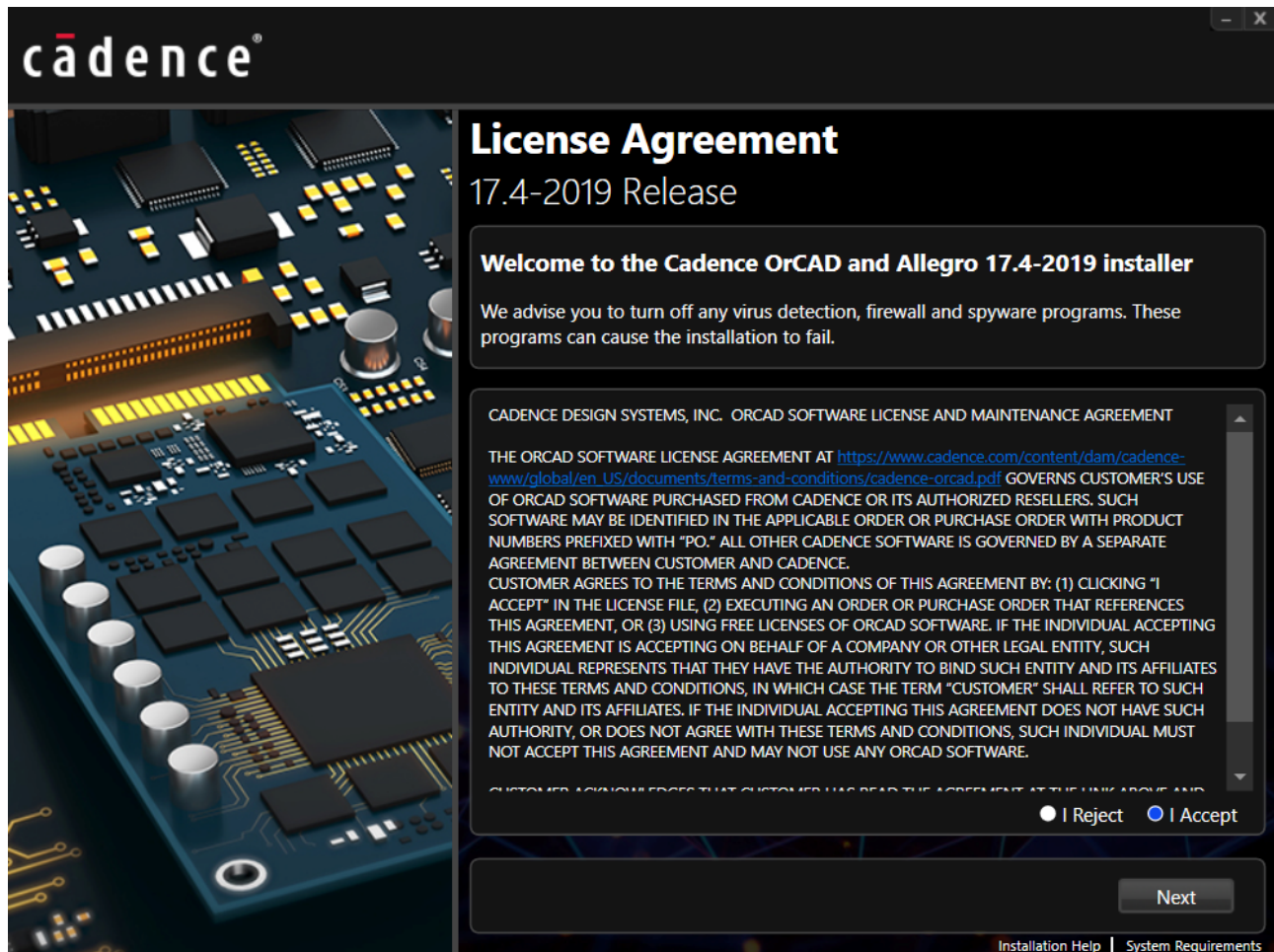
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1. With Download Manager open, use the vertical scroll bar to navigate to **OrCAD and Allegro**. As illustrated in the above screen image, verify the software version you want to install is selected in the center of the row.
2. Click **Install** to download and install your OrCAD and Allegro software products.

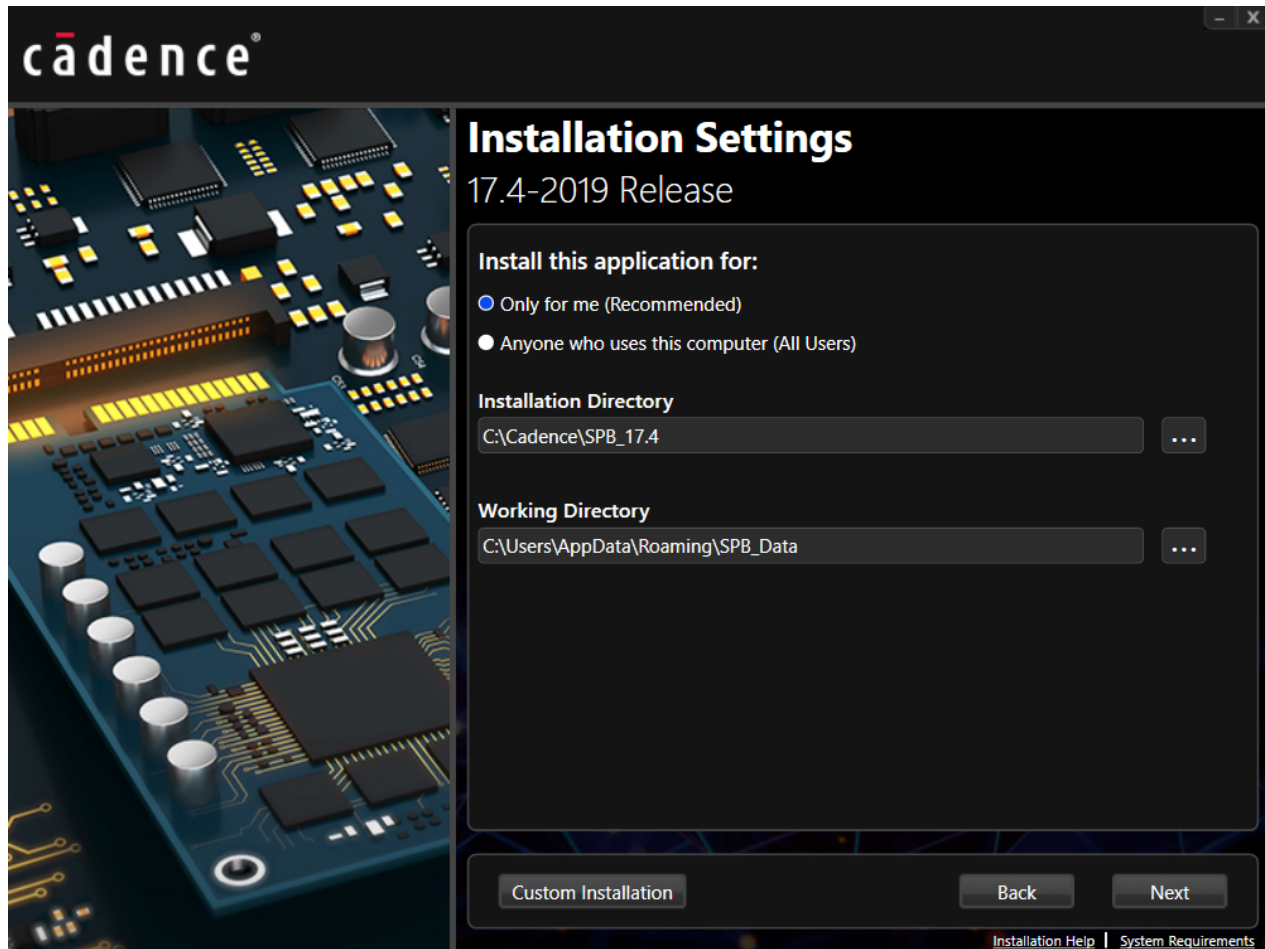
The download process takes several minutes.

# Cadence OrCAD/Allegro Installation and Licensing



3. Review and accept the License Agreement. Click the **Next** button to continue.

# Cadence OrCAD/Allegro Installation and Licensing



4. Select a radio option to specify access-permissions to the software you are installing.

Options include:

- Only for me (Recommended)
- Anyone who uses this computer

5. Browse to select the OrCAD/Allegro installation directory and working directory.

- Installation Directory: When you accept the default directory suggested, the installation is completed without overwriting the previous installation version. Acceptance of the suggested installation directory facilitates troubleshooting that may occur at a future time.
- Working/Home directory: The Working Directory is separate from the Installation Directory. It is a location where projects and libraries are stored. This folder is left untouched during uninstallation. You can accept the suggested working directory or specify an alternate location.

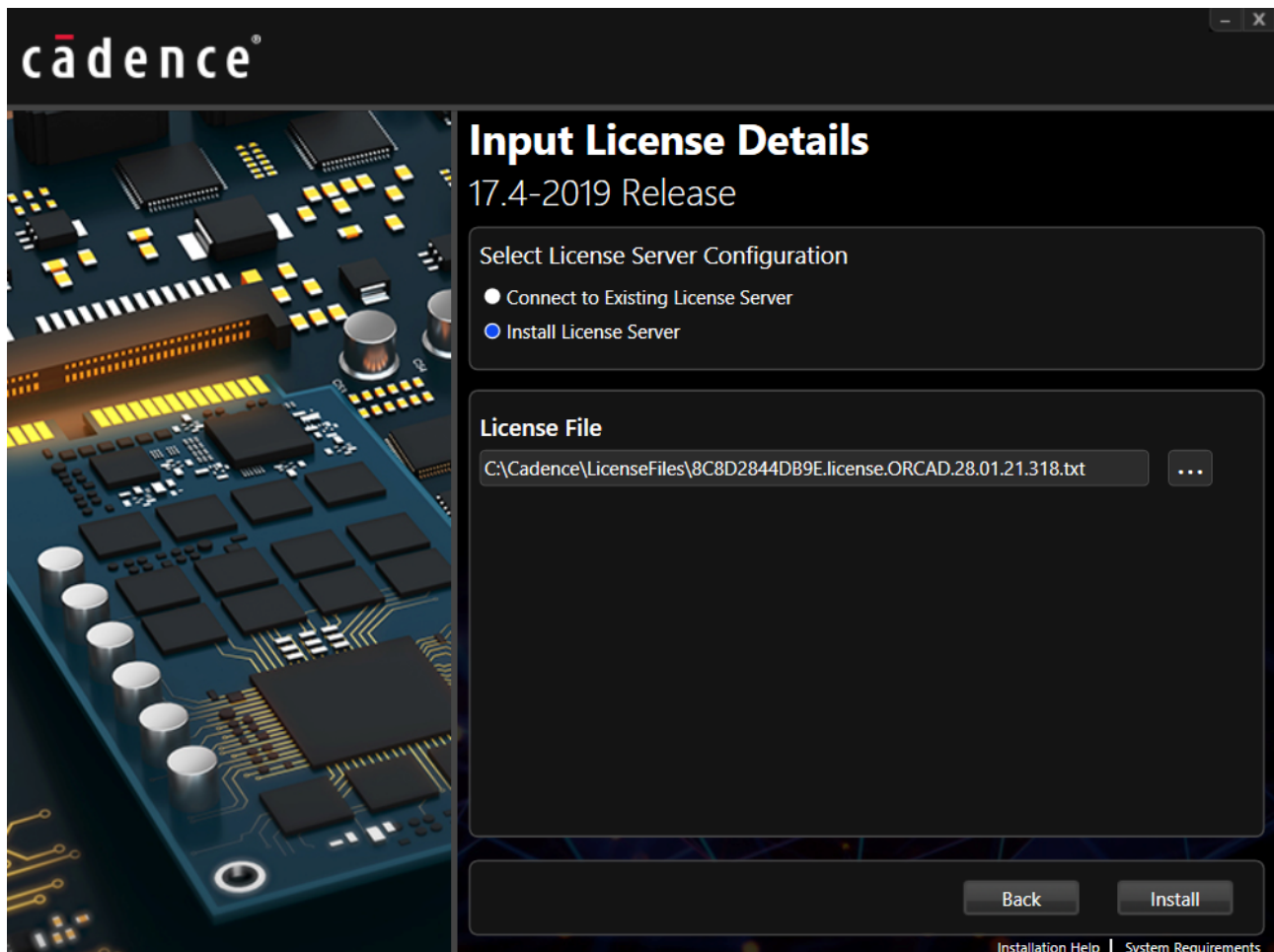


## Cadence OrCAD/Allegro Installation and Licensing

- (Optional step) Click the **Custom Installation** button if you want to install only the specific OrCAD/Allegro products you are licensed to access. By default, all OrCAD/Allegro products are installed with only the products specifically licensed to you activated. This custom installation improves the efficient use of your computer resources because the products that lack licensing are excluded from the installation.

When you install the custom installation, you receive a prompt asking for the path to your control file. The control file is an EMA provided-file that enables you to install only the products for which you have a license. The control file is not required to continue with custom installations and this field may be left blank.

- Click **Next** to continue.
- (Optional Step) If you are installing Capture CIS you may be asked to select the appropriate Footprint Viewer for Capture CIS. PCB Editor is recommended. Your selection may be edited at a future time if necessary. Accept the default directory for the libraries and click **Next**.





## Cadence OrCAD/Allegro Installation and Licensing

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9. Select a licensing option to specify the "Input License Details." You may choose to either connect to an existing license server or install a new license server.
  - a. Install License Server— (Default Selection) When you select this option, the updated License Manager is installed before your OrCAD/Allegro 17.4 products are automatically installed.
    - i. Click the Ellipsis button and browse to select the path to your license file. This is the license file verified in [Preparing for Installation](#).
    - ii. If you are using a dongle provided by EMA to support licensing, attach your dongle to your PC *after* the software installation is complete. During the installation process you may receive an error message regarding license manager failure. This error is planned and expected and at this time the error can be ignored. Use of the dongle is optional.
  - b. Connect to Existing Server — When you select this option you are prompted for the License Server port number and Host Name. This information is typically supplied by the company IT group or the person/group who installed the network license server.
10. Click the ellipsis button (3 dots) and browse to select your OrCAD/Allegro license file.
11. Click the **Install** button.

The license settings you selected are applied and the installation of License Manager begins. If that option was selected, this may take a few minutes to complete.

The installation of your OrCAD/Allegro 17.4 products automatically begins after your licensing settings are applied. Installation of the OrCAD/Allegro software products commonly take some time.



11. Click the **Finish** button.

12. At this point, if you have a dongle, attach the dongle to your computer now. Your computer needs to reboot to ensure updated settings are successfully applied.

## **Download & Install the Latest Hotfixes using Download Manager**

Cadence software products are released to the public as either a major base release or hotfix update. The base release is typically a new release version. Ongoing corrections and feature updates between base releases are referred to as hotfix updates.

After you complete the installation of the base release OrCAD/Allegro application, it is recommended you install available hotfix updates from Download Manager. This ensures your installation includes the latest features and fixes.

1. Open Download Manager if not already open.
2. Review the list of Cadence software products that are already installed. The list of installed products are listed at the top of the Download Manager window. When you need to install an update for an installed software product, you will see UPDATE in blue letters.

# Cadence OrCAD/Allegro Installation and Licensing

3. Verify the version you have installed is selected in the middle of the row.



4. Click **UPDATE** to automatically download and install your latest hotfixes.

5. Complete the online instructions presented.

6. After the installation of the updates are complete, restart your computer.

The Download Manager displays **UPDATED** in green letters to indicate your software is successfully updated. You may need to refresh your view before the updated status displays.

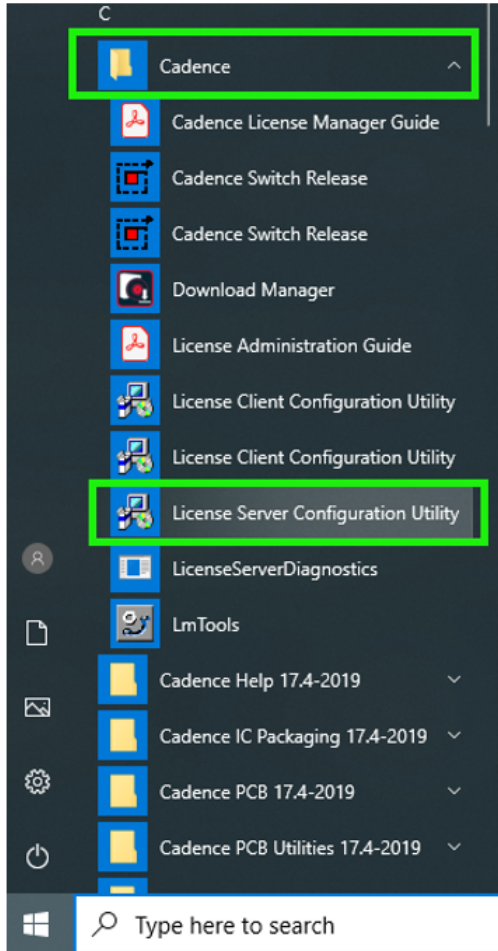
## Updating an OrCAD/Allegro License File (Mac or Dongle)

The "Cadence License Server Configuration Utility" is used to update your licensing for OrCAD/Allegro products after you modify your purchase of OrCAD/Allegro products or services you are licensed to use.

If your updated license file is on a dongle, please refrain from plugging in your dongle during the installation of hotfixes. You may plug your dongle into your computer after the installation of the hotfix updates are complete. Only one licensing dongle may be plugged into your computer at a time.

# Cadence OrCAD/Allegro Installation and Licensing

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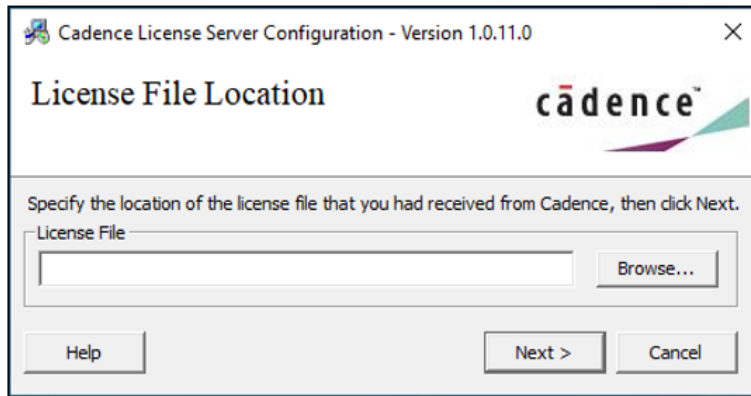


1. Open your Windows Start menu and select **Cadence > License Server Configuration Utility** to launch the utility.

The License Server Configuration Utility may also be opened from the following path:  
C:\Cadence\LicenseManager\LicenseServerConfiguration.

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2. Click the **Browse** button to select and enter the absolute path to your license file.
3. Click the **Next** button to continue.
4. Set the **Host Name** field to your machine name if the field does not automatically populate. Do not modify any other setting. Click **Next** to continue.

Note: You can easily verify your hostname by entering hostname into the Command Prompt.

If you get an error regarding an invalid port number, simply re-type the "5280" port number. This is due to a known Microsoft bug.

5. Follow the remaining online instructions presented to update the configuration of your product licensing.

### IF A LICENSING ERROR OCCURS

If a licensing error occurs, complete the following:

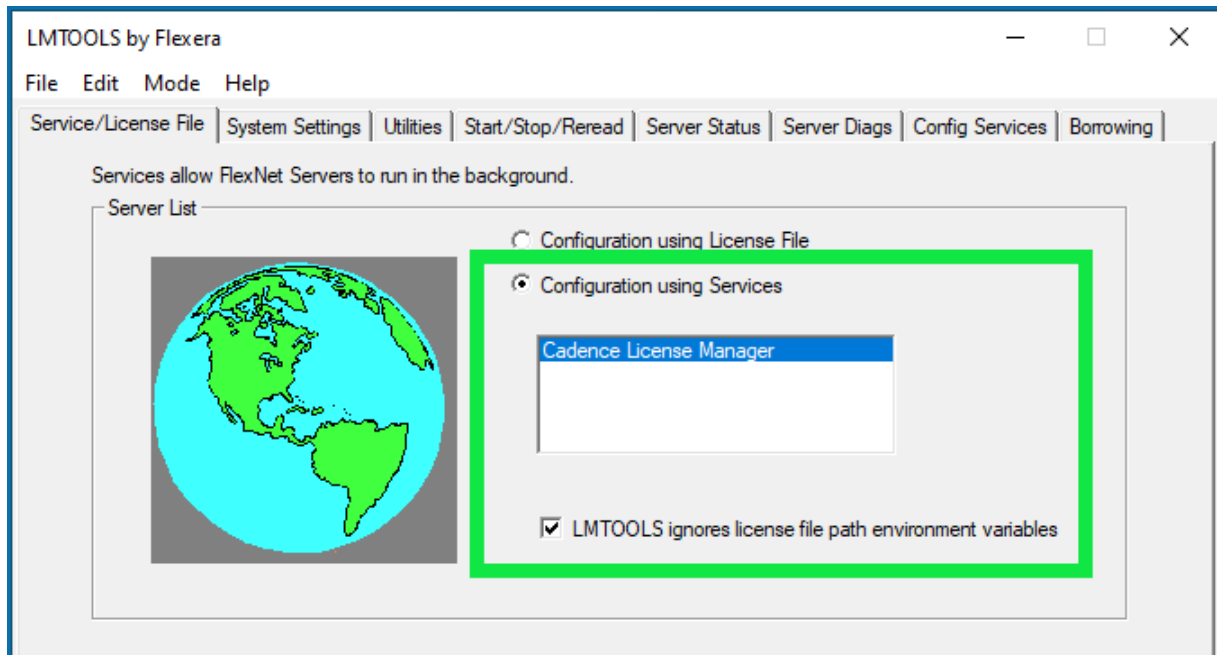
- Restart your machine (with the dongle plugged in if you are using one)
- Try to check out the software again.
- Capture a screen image of the error message generated, so that you can forward it to EMA Technical Support.
- Forward your license.dat file and debug.log files, (located in the directory: C:\cadence\licensemanager) to EMA Technical Support.

### ADDITIONAL TROUBLESHOOTING INSTRUCTIONS

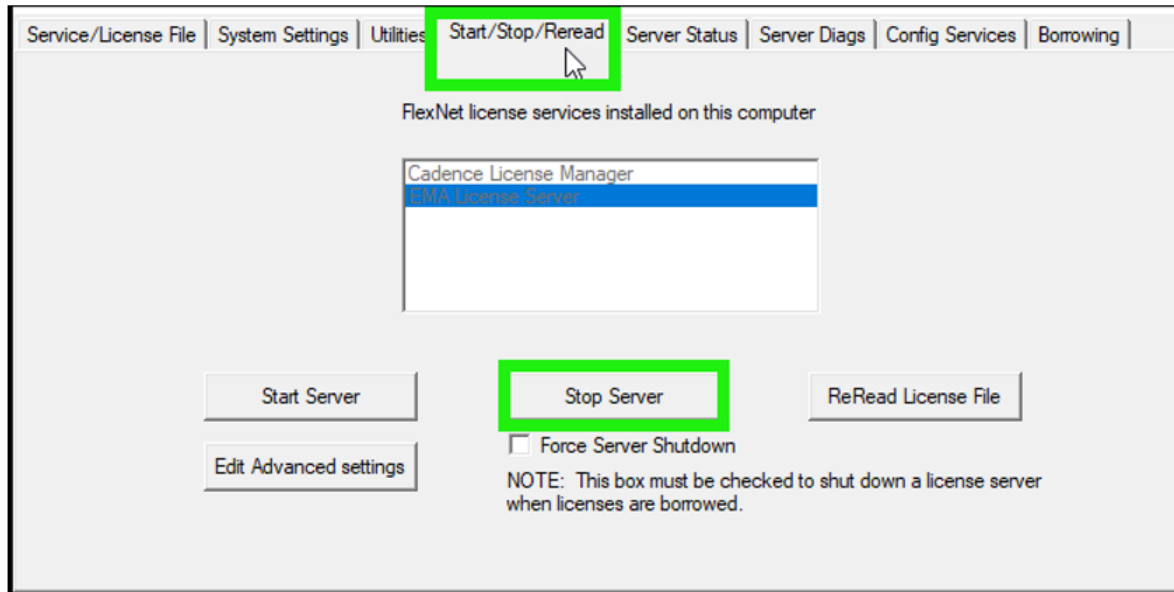
If your licensing server application fails to start or restart complete these additional steps.

1. Open the LMTools Utility either directly from the file path:  
C:\Cadence\LicenseManager  
Alternatively, you may also open your Windows Start menu and select **Cadence > LMTools**.

## Cadence OrCAD/Allegro Installation and Licensing



2. Verify that the "Cadence License Manager" service is selected/highlighted and that the check box "LMTools Ignores license file path environment variables" box is checked.



3. Open the **Start/Stop/Reread** tab and click the **Stop Server** button.
4. Wait at least an actual 5 seconds.

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Note: We recommend you ignore messages in the lower left during this process.

5. Click the **Start Server** button.
6. Try to open your software again.

If you continue to receive licensing errors, follow the instructions provided in the knowledge base solution: Manually correct environment variable.

### **Special Notice 1: Running Multiple Versions of the Software**

You can access the Cadence SPB Switch Release utility from your Windows Start menu to switch between different versions 16.x of the Cadence SPB/OrCAD/Allegro installations. For example, if you install the latest release on a system where an earlier version of OrCAD/Allegro 16.x exists, the earlier version will not be readily accessible. However, you can easily use the Switch Release utility to access an earlier release and then switch back to the new release whenever desired

### **Special Notice 2: Existing Customers**

To better support Windows 7 and above Enhanced security and User Controls, all SPB/OrCAD/Allegro installation related environment variables will be migrated from the System level to the User level for (Only for me) single user installations. Other users of the machine can choose Configure from the Start menu if they want to run SPB/OrCAD/Allegro products on this system. Note: Windows 7 is no longer a supported operating system.