

▶ Licensing and Installation Guide

Altair[®] PSIM[™] 2023.0

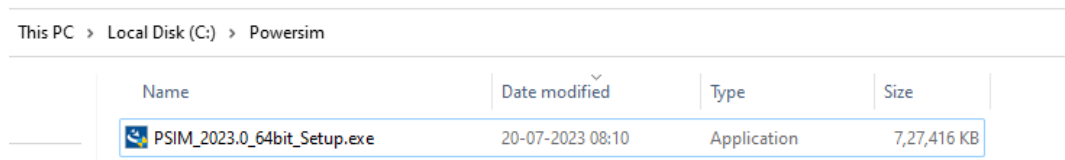
Introduction

This document goes through the step-by-step procedure to install Altair PSIM v2023.0 and activate the license.

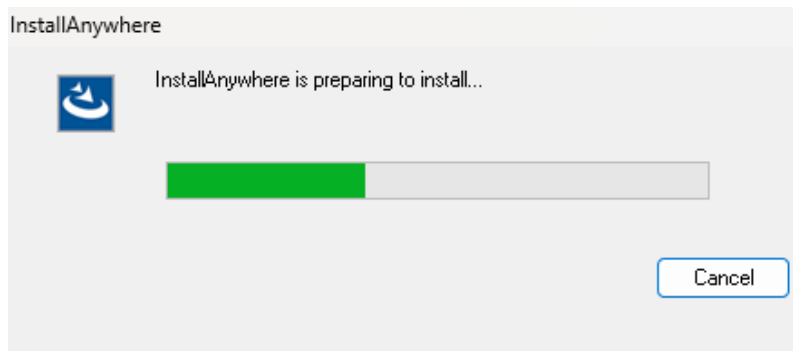
Installing Altair PSIM Software

Step 1: Download the PSIM Setup build from Altair MarketPlace (www.altairone.com). Unzip and extract the Setup installation application file.

For example, an unzipped “PSIM_2023.0_64bit_Setup.exe” installation file is shown below for PSIM 2023.0 build.

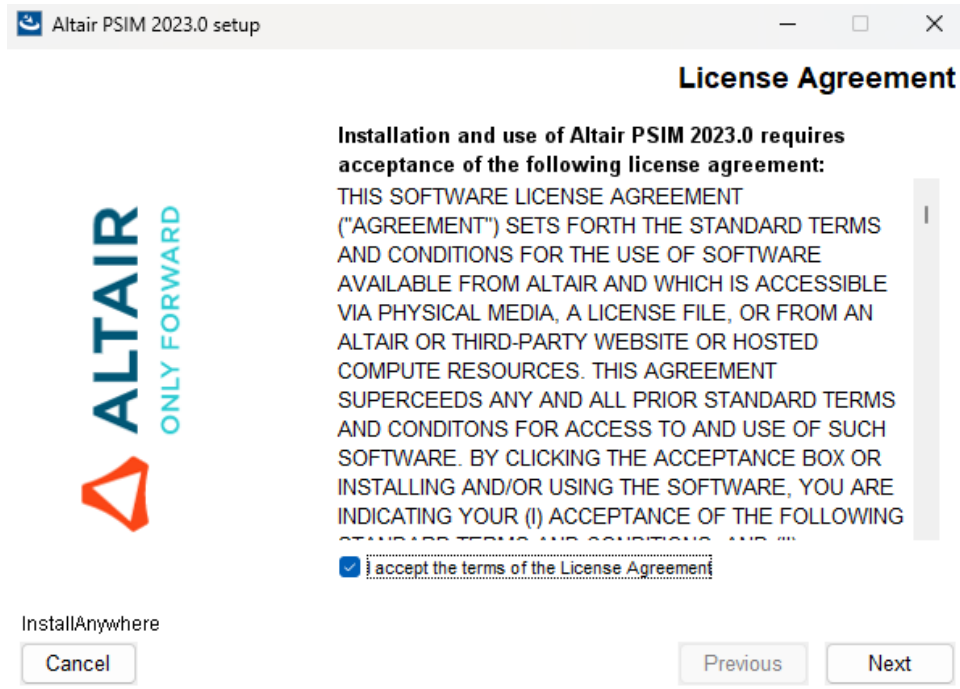


Step 2: Launch the setup PSIM_2023.0_64bit_Setup.exe. An InstallAnywhere dialog will pop up.



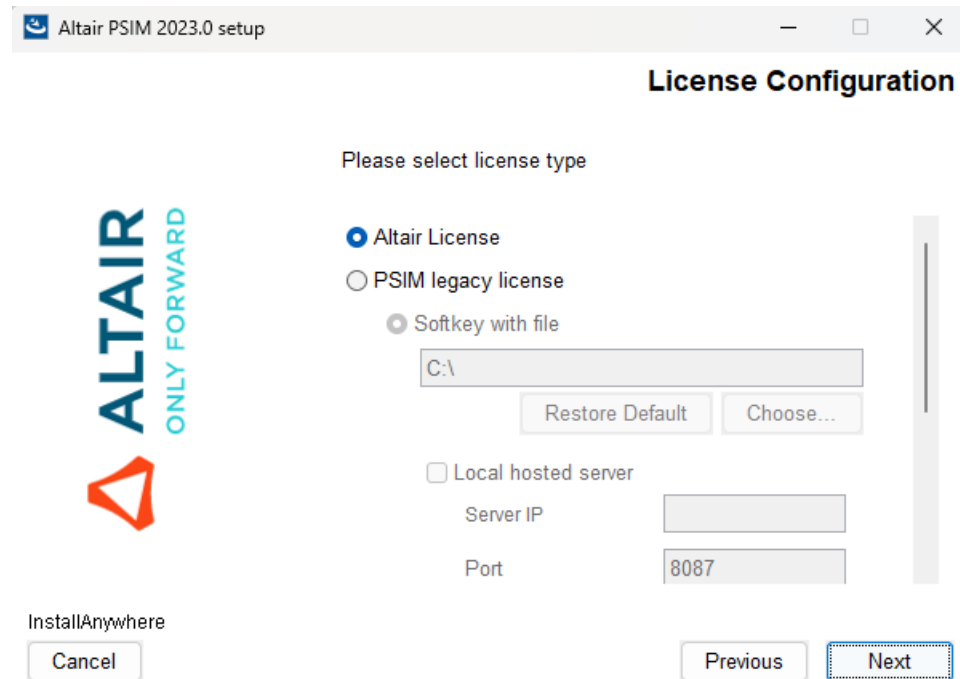
A “Manage Instances” dialog will pop up once the installation is finished from InstallAnywhere.

Step 3: Accept the License Agreement.

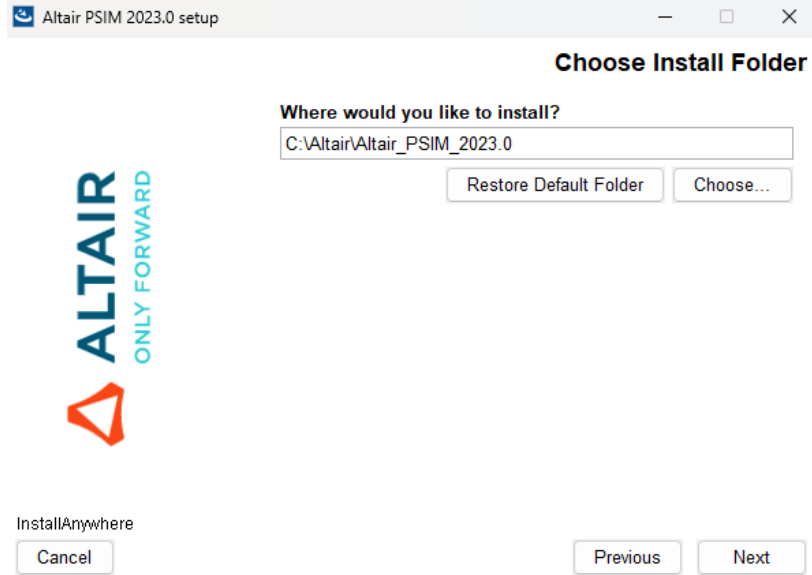


Step 4: Setup Dialog for License Selection.

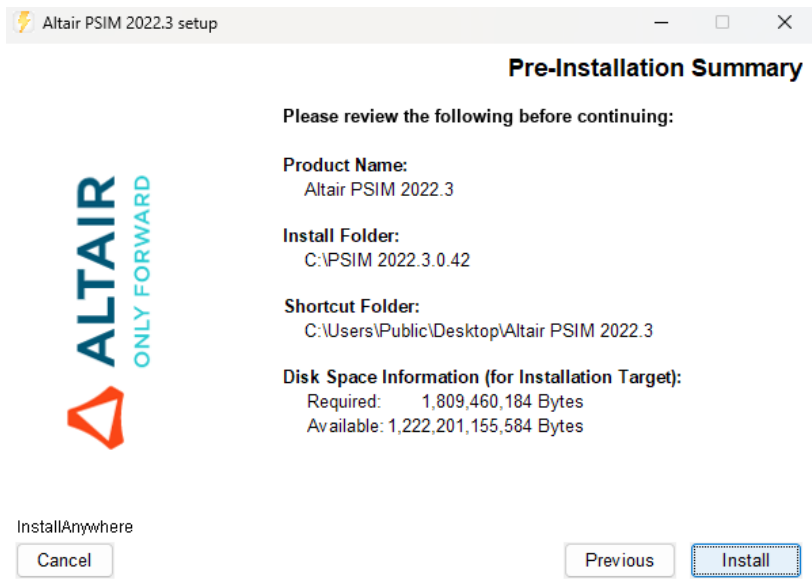
Select the type of license for PSIM as “Altair unit license”.



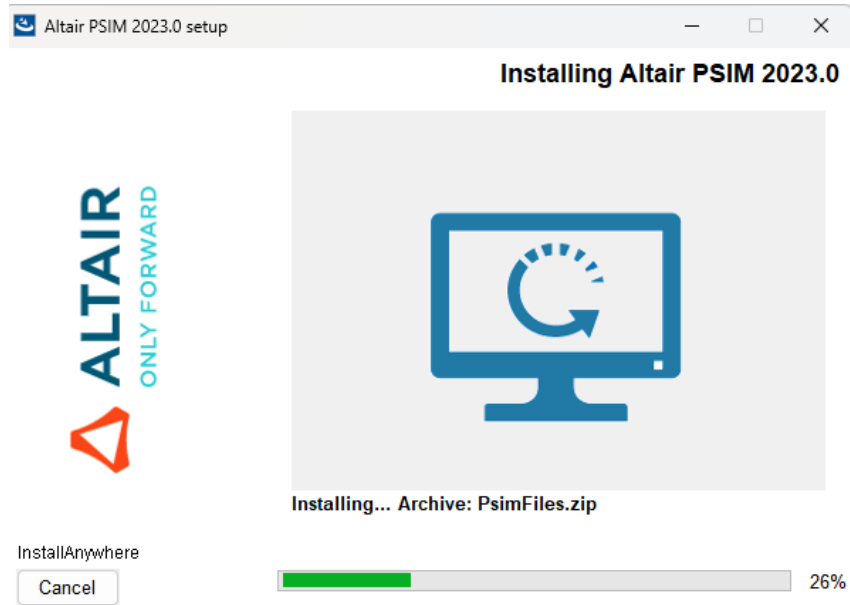
Step 5: Setup Dialog for Choosing the Installation Folder.



Step 6: Setup Dialog to Review the Installation Summary



Step 7: Installation in progress. Please wait while the PSIM is installed in your selected folder in the previous step.



Step 8: Click Next and then Done to complete the installation process

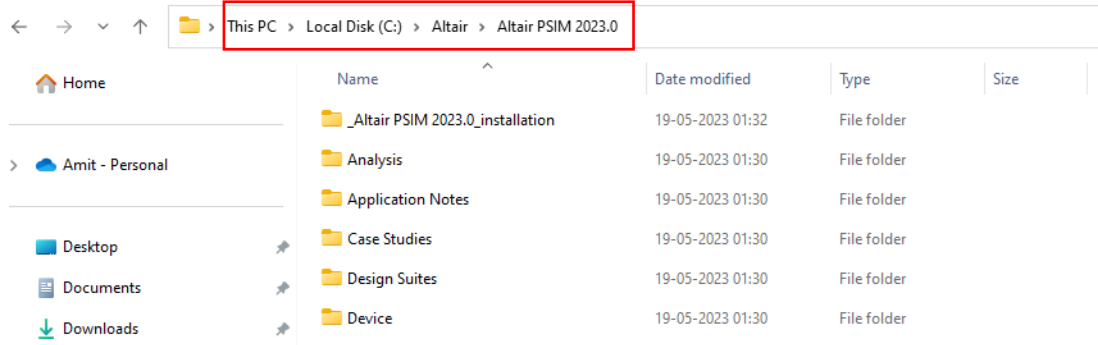


Step 9: Start PSIM

Use the Altair PSIM shortcut located on the Desktop and in the Start Menu

Alternatively, go to the PSIM installation folder.

For example, the installation folder is **C:\Altair\Altair PSIM 2023.0** for PSIM 2023.0 in this case.



Run “psim.exe” to start PSIM and setup/activate the license.

Name	Date modified	Type	Size
MAC.exe	3/14/2023 5:01 PM	Application	2,542 KB
pcdEditor.exe	3/16/2023 8:54 PM	Application	15,451 KB
PSIM.exe	3/16/2023 8:54 PM	Application	27,411 KB
PSIMADMIN.exe	3/16/2023 8:46 PM	Application	148 KB
PsimCmd.exe	3/16/2023 8:46 PM	Application	454 KB
PSimConnect32.exe	3/14/2023 5:01 PM	Application	1,889 KB
PSimConnect64.exe	3/14/2023 5:01 PM	Application	2,601 KB
PSimCS32.exe	3/14/2023 5:01 PM	Application	2,069 KB
PSimCS64.exe	3/14/2023 5:01 PM	Application	2,779 KB
PsimLicense.exe	3/14/2023 5:01 PM	Application	2,550 KB

Activating PSIM Software

The process of activating your license depends on the type of license you are using. There are three license types:

- Altair One “managed” license
- Local license file
- Network license

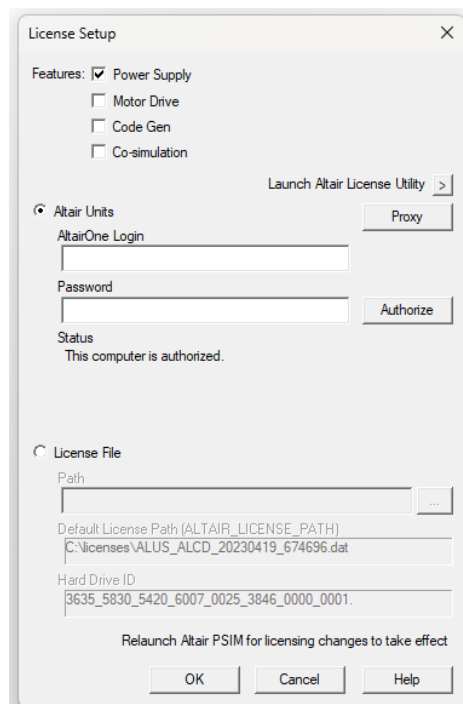
Activating an Altair One unit license – standard procedure

Prerequisite: The PSIM software must be installed on your computer, and you must already have an Altair One account with a valid license. If you have questions, please contact your Altair Account Manager.

1. Start PSIM

The License Setup dialog box is displayed, as shown below.

At any time, you can display the License Setup dialog from the **Options /License Setup** menu in PSIM.



2. Confirm or make the following selections

- Select all the applicable features.
- Select Altair Units.
- Under AltairOne Login and Password, enter your credentials.

3. Click Authorize.

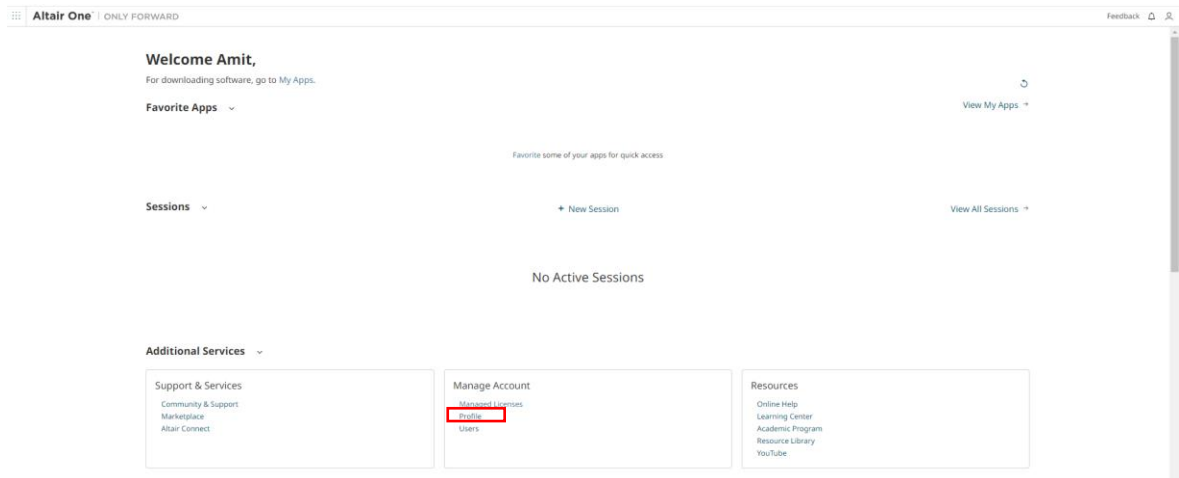
The Status is updated with a message that your license has been successfully activated. If the authorization fails, you may need to use an alternate method to activate your license or provide proxy server settings.

4. Click OK.

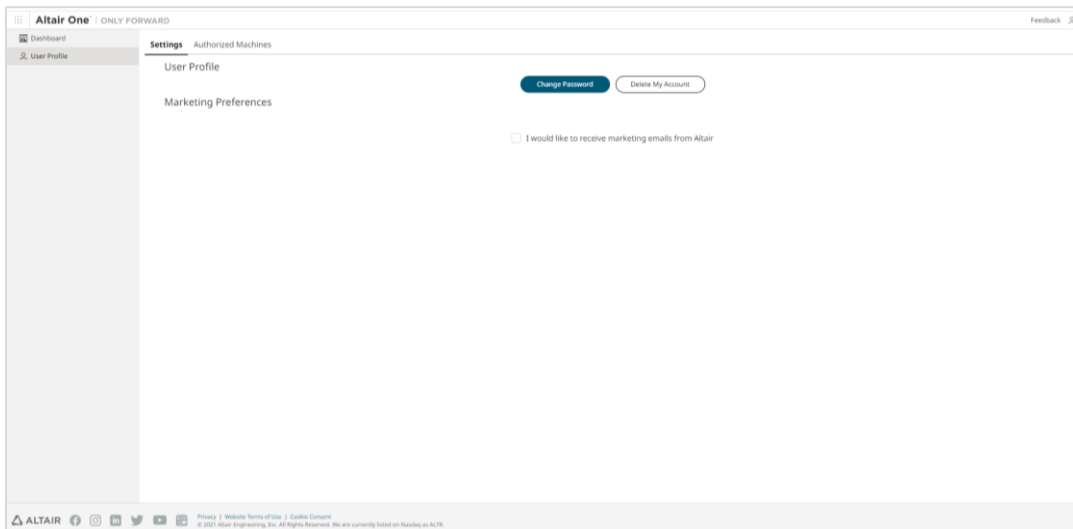
Alternate Altair unit license activation procedure

If you were unsuccessful in activating your license using the standard procedure, follow this procedure.

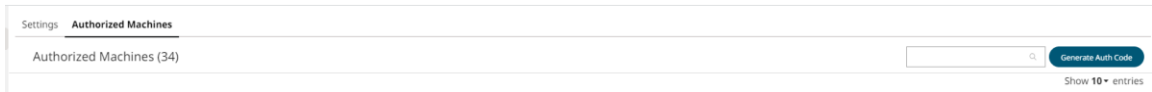
1. Log in to your Altair One account (www.altairone.com) and go to your Dashboard.



2. Under Manage Accounts, click Profile.

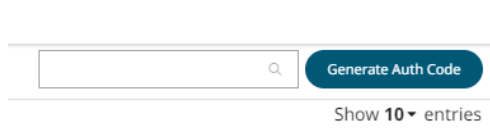


3. Under Authorized Machines, click View My Authorized Machines.

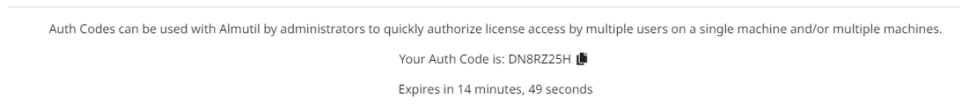


4. In the upper right corner, click **Generate Auth Code**.

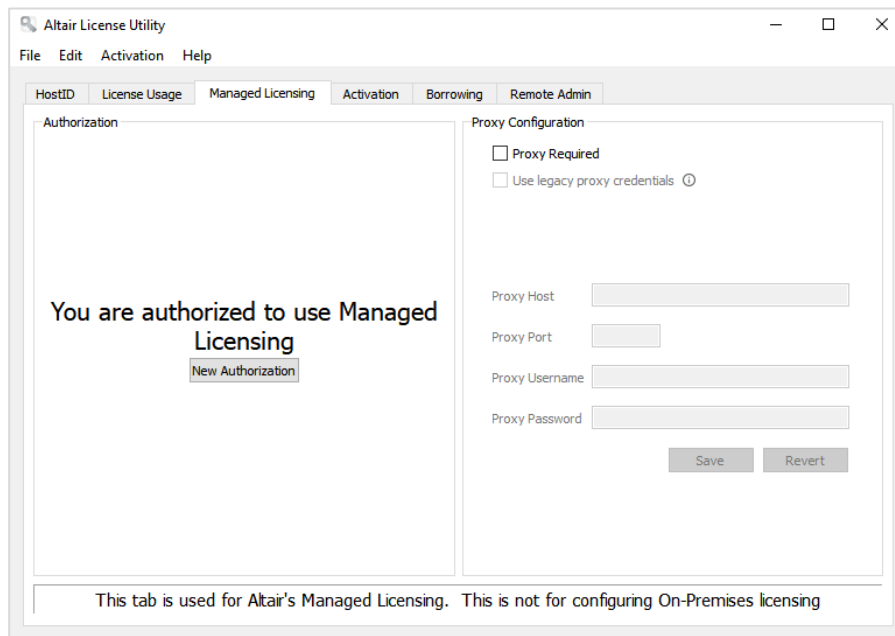
The window is updated with an authorization code for your computer.



5. Copy the Code.



6. Launch the Altair Licensing Utility program (under Altair PSIM 2023.0 in the Windows Start menu).



7. Paste the code into the Authorization Token text box and click **Authorize**.

8. Authorization may fail if your network has a proxy server. Contact your Local Network Administrator and ask if proxy server settings need to be provided.

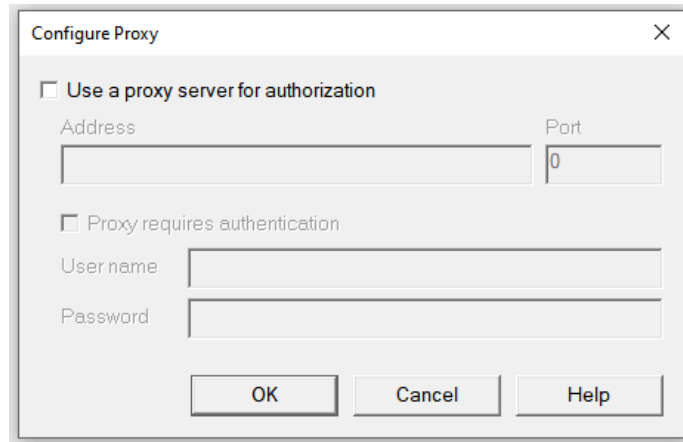
9. Start PSIM.

Activating an Altair unit license on a proxy server

If you are using a proxy server, you will need to configure the server before your license can be activated.

1. Perform steps 1 and 2 under Activating an Altair One unit license.
2. Click Proxy.

The following dialog box appears:



The image shows a 'Configure Proxy' dialog box with the following fields and options:

- Use a proxy server for authorization
- Address: [Text Input Field]
- Port: [Text Input Field with '0']
- Proxy requires authentication
- User name: [Text Input Field]
- Password: [Text Input Field]
- Buttons: OK, Cancel, Help

3. Activate Use a proxy server for authorization and enter the server address and port number.
4. If your proxy server requires authentication, activate **Proxy requires authentication** and enter your proxy server **User Name** and **Password**.
5. Click OK.

Authentication is performed and the License Setup dialog box re-appears with a successful status message.

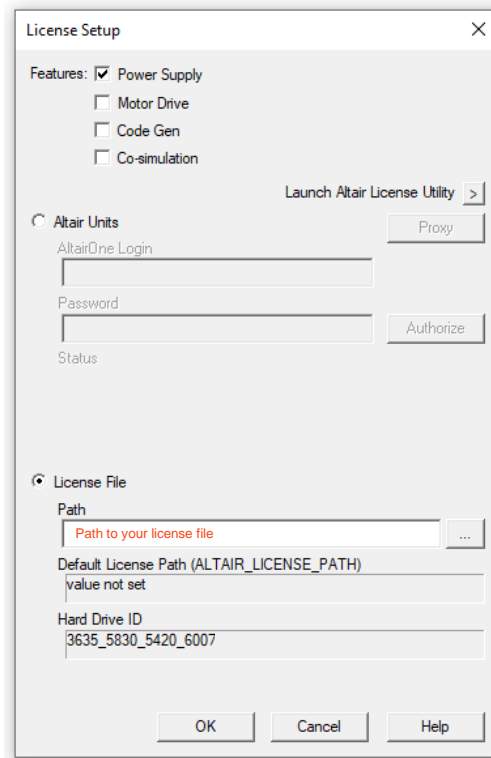
Note: Authorization may fail if you have an SSL proxy in your environment that re-encrypts traffic with your own certificate. To correct this on Windows, set the system environment variable to ALM_HHWU_USE_WININET=1.

6. Click Ok.

Activating a local license

Prerequisite: Obtain a valid license file from your Altair Account Manager and copy it to your preferred location on your computer.

1. Invoke PSIM.
2. If PSIM cannot find a valid license file, the following dialog box appears:



3. Do the following:
 - a. Select the Features you want to activate.
 - b. Select '**License File**'
 - c. Next to **Path**, click ... to select the license file.
 - d. Click **OK**.

Setting up a network license

There are three steps to set up a network license:

1. Install the license server.
2. Activate the license server.
3. Connect the client computers to the license server.

Please read through all the steps before you begin the set-up procedure.

Installing the license server

You can install the license server on either a Windows-based computer, a Linux-based computer, or a Mac OS X computer.

To install a license server on Windows

1. Download the latest license server installer file by signing into your Altair One account and click View All Apps. Select the PSIM product tile and in the right panel, select the License Manager tab and select Windows Installer. If you have issues or questions, contact your Altair Account Manager.
2. Launch the license server installer.
3. The Altair Licensing Installation dialog box appears. Proceed through the next few dialog boxes, entering information for the installation path.
4. Click Next.
5. Do one of the following: If you have an existing server license file, choose Yes and enter the location of the license file. After finishing the installation, the license server will automatically start. Skip to Step 7 under Activating the license server. If you do not have a license file, choose No, then click Next. You will proceed without a license file and add it later to the appropriate location.
6. Review the installation directory and disk space information, then click Install.
7. Click OK when the Information for obtaining a license file dialog appears.
8. Click Done to close the license server installation.

Activating the license server

1. Rename the license file sent to you to `altair_lic.dat`. Make sure you are showing extensions for known file types.
2. Drag and drop the license file into the server installation's root directory using Windows Explorer. (The default location is `C:\Program Files\Altair\licensing15.0`). This will overwrite the empty `altair_lic.dat` file already found in that directory.
3. From the same directory, open `altair-serv.cfg` in a text editor and confirm that the following line appears: `LICENSE_FILE = C:\Program Files\Altair\licensing15.0\altair_lic.dat`
4. In the taskbar, click the Start button and navigate to the Altair License Server 15.0 folder.
5. Click on ALMUtil.
6. In the `almutil` dialog box, click the License Usage tab. Under the Tree tab, you should only see the name of your server computer.
7. In the taskbar, click the Start button and begin typing component into the search bar; then click Component Services in the pop-up menu. The Component Services dialog box appears.
8. Click Services (Local), then select Altair License Server. When the Stop/Restart Service appears, click Restart the service.
9. Go back to ALMUtil and click on the License Usage tab. Then click Refresh. The output looks like the image below:

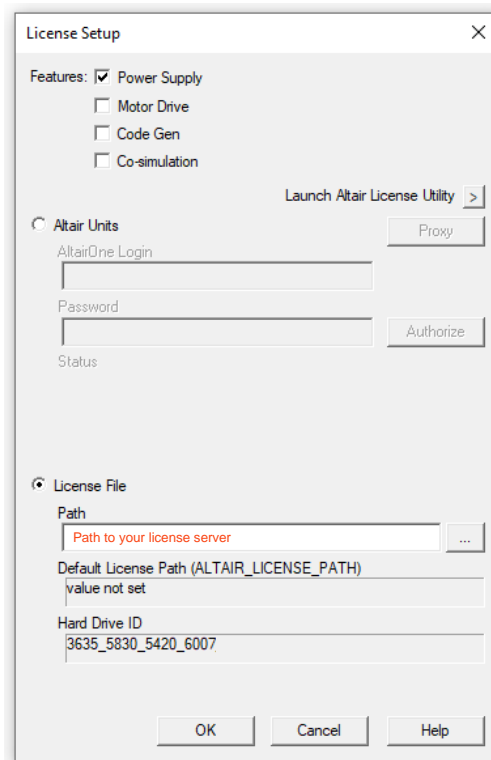
Connecting a client computer to the network license server

Make sure you have the port and host name of your license server. This information is required to connect

to an existing license server and should have been provided to you by your system administrator. The default Altair port is 6200.

1. Download and install PSIM on the client computer. See your system administrator for the PSIM installer executable.
2. Start PSIM.

The License Setup dialog box appears.



3. Select License File and enter the port@host into the Path text box. The default Altair port is 6200. For example, 6200@192.168.100.5 or 6200@company_server_name.

4. Click OK.

Installing PSIM with Microsoft Deployment Toolkit

The process to run a silent installation is simple, one needs to run the installer one time in order to generate a properties file that will log all the install instructions, and then one can use this file to provide the silent installation with these same instructions.

In order to do this, please launch a command line session and run the installer with the following command structure:

```
C:\Users\USERNAME\Downloads\PSIM_install_2022.3.exe:  
"[FullPath]\PSIM2022.3_installer.properties"
```

Replacing [FullPath] with the directory where the properties file will be written. After running this command, please follow the instructions to perform the PSIM install.

Once the installation is complete, a .properties file should be created in the directory you have specified.

Then to trigger a Silent Install from the command line and call a response file, use the following structure:

```
[InstallerName] -i silent -f "[FullPath]\hw2022.3_installer.properties" -DACCEPT_EULA=YES
```

Regarding the licensing method, there are two ways of achieving this.

If one is using an on-premises server license, then one needs to set the following environment variable on the machine where the application will be used:

Name: ALTAIR_LICENSE_PATH

Value: PORT@HOSTNAME

Where one will provide the PORT number used by the Altair License Manager on their server and the HOSTNAME of their server machine.

On the other hand, if you have a license Managed on your Altair One account, then the best would be to generate any host authorization token which you will be able to set as an environment variable at the user machines. The instructions to get this host authorization token are described in the following article:

https://community.altair.com/kb_view.do?sys_kb_id=26670b6a1b736190c4dfdbd9dc4bcbf8