

ACTIVATE™

solidThinking®

2016.3 Installation Guide

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An  Altair Company

solidThinking Activate 2016.3 Installation Guide

This document describes the installation procedure for Activate 2016.3 and additional toolboxes.

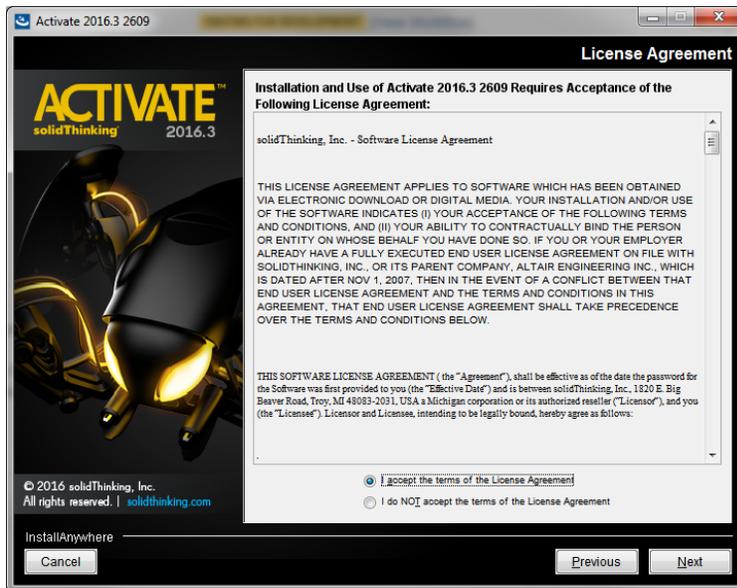
solidThinking Activate 2016.3 Main Installer

To execute the installation, double-click **Activate_2016.3_2609_Win64.exe**. The following screen is displayed:

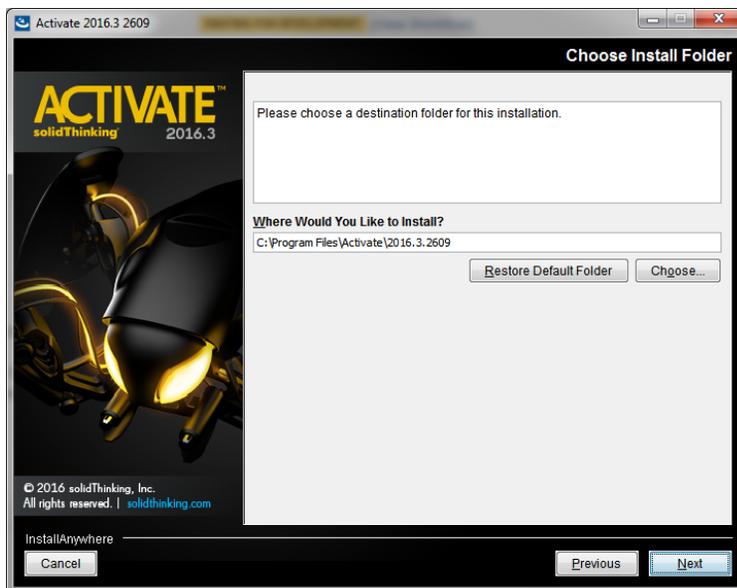


Press **Next**.

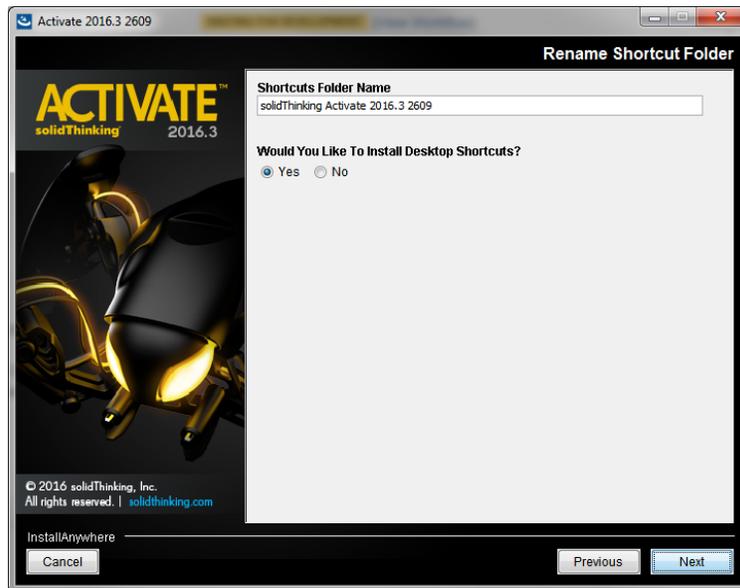
Review the terms of the **License Agreement**, and then press **Next** again.



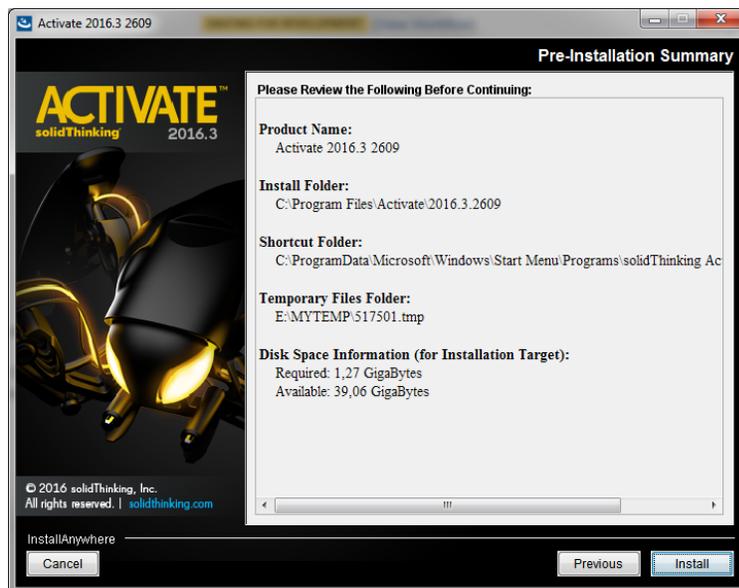
Choose the default folder or enter an **Installation folder**:



Specify the name for the Windows Start Menu folder, and if desired, select the option for a Desktop shortcut.



Press **Install**.



Invoking solidThinking Activate 2016.3

After the installation completes, you can invoke solidThinking Activate from the Windows Start Menu or the Desktop Icon, if you chose to install it.

solidThinking Activate appears in your Windows Start Menu as follows:

- solidThinking Activate 2016.3 2609
- Activate 2016.3 2609 Help
- Activate 2016.3 2609
- License Wizard 2016.3 2609
- Uninstall Activate 2016.3 2609

On your Desktop, you can start solidThinking Activate from this icon:

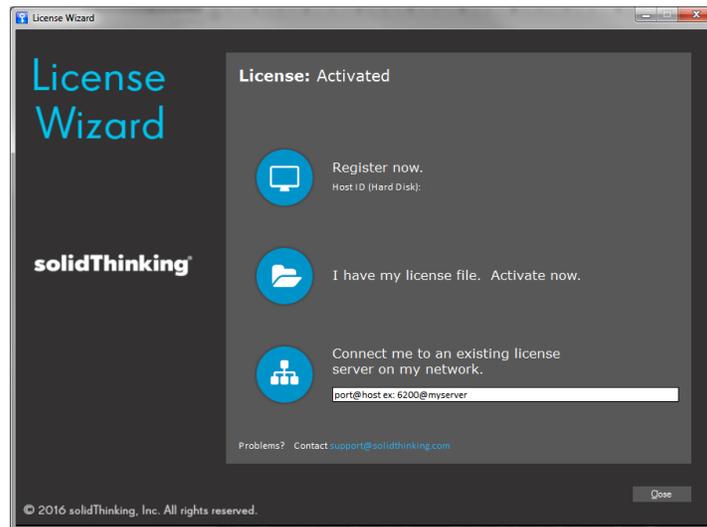


Licensing

The application recognizes either node-locked licenses or floating licenses served from a license server.

solidThinking License Wizard

Launch the License Wizard from the solidThinking Start Menu or Application folder. The wizard can be used to setup licenses (single user, network).



If you don't have a license file, proceed with registration.

If you have a license file or a license server, proceed with license activation or connection to the license server using the second and third options of the License Wizard.

Alternatively, license setup can be done manually.

Manual Configuration

You must set the appropriate environment variable to point to either the license file or the license server. The name of the variable is: **"ALTAIR_LICENSE_PATH"**. Use it to point to a file for a node-locked license or to a network license server in the simple form of port@hostname.

To set the ALTAIR_LICENSE_PATH variable on Windows

1. Go to Start.
2. Click on Control Panels.
3. Go to System and select Advanced system settings.
4. Select the Advanced tab.
5. Click Environment variables.
6. Under User Variables, select or create ALTAIR_LICENSE_PATH.
7. For Value: enter the port@host of your license server or the complete path and filename to the license file.

As an alternative setup when using a local license file, without defining ALTAIR_LICENSE_PATH, you can rename the license file in altair_lic.dat and drop it in the <Activate installation folder>/security folder.

Installing a C/C++ Compiler

solidThinking Activate requires a C/C++ compiler to enable some capabilities and Activate installer provides by default the TCC compiler which can be used for example for the C Custom block.

However, features such as FMU Export or Modelica support require a Microsoft Visual Compiler. In particular, the Modelica Engine powered by Maplesoft™ requires the installation of a Microsoft Visual C++ Compiler, either version 2013 or 2015.

Download and Install Microsoft Visual C++ 2013 *Express Edition* or 2015 *Community Edition* from this URL (<http://www.microsoft.com/visualstudio/eng/downloads>) and make sure the C++ compiler option is selected during the installation.

Note

The compiler is detected automatically by Activate and the compiler name can be verified by using the following command in the Command Window `=vssGetCompilerName()`

Adding Toolboxes (Libraries) to solidThinking Activate 2016.3

You can install additional libraries to solidThinking Activate. This section describes the installation process of a library.

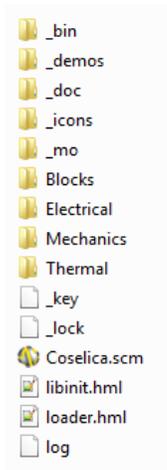
A **solidThinking Activate** library is a directory. If the library is provided as a ZIP file, unzip it into a specified directory.

We are using the **Physical Component Modeling – Coselica Library** as an *example* of installation.

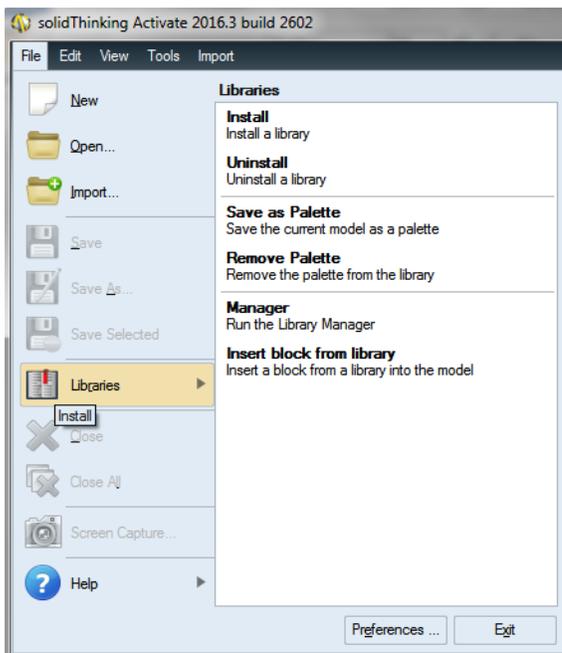
For the Coselica library, the directory is packaged in a ZIP file:

 Coselica_V1_for_Activate2016.zip

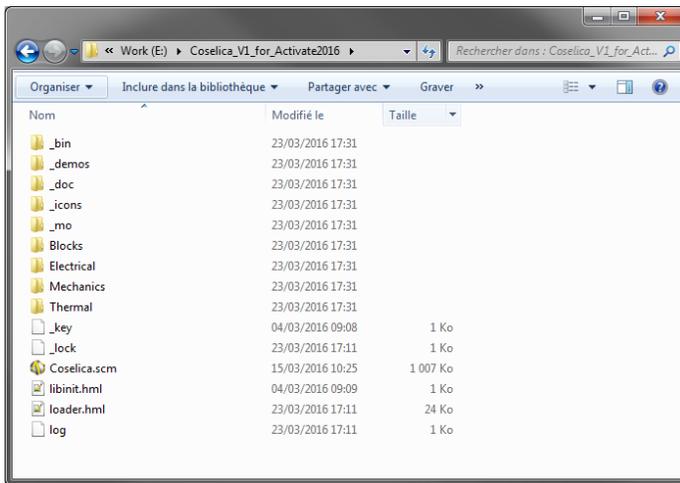
Unzip the file into a directory of your choice. The folder content is shown below.



To proceed with installation of the library, start **solidThinking Activate**. Then from the menu bar, select: **File > Libraries > Install Libraries**:



A file browser is displayed. Simply navigate to the folder where the library is located and select.



The library is installed and ready for use in **solidThinking Activate 2016.3**.

Any other library provided as a ZIP archive would be installed in the same way.