

CSiXRevit Version 2016.1

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CSiXRevit Version 2016.1 is an intermediate update from CSiXRevit Version 2016.0 that integrates into Revit Structure 2016 to enable the exchange of information with CSI products ETABS, SAFE, and SAP2000.
(See Version Compatibility below for specific versions).

PLEASE READ THIS FILE!

It contains important information that is more current than what is in the Manuals.

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1. Installation Instructions for CSiXRevit Version 2016.1

CSiXRevit v2016.1 is available electronically as a full installation by download from the internet using the CSI Installation Wizard. Installing CSiXRevit 2016 will not uninstall older versions of CSiXRevit (2015 and earlier).

You must first install Revit Structure 2016 before installing CSiXRevit on the same machine. Whether you are using a standalone license or a network license, CSiXRevit 2016.1 must be installed on each workstation where it will be used. Only 64-bit operating systems are supported by Revit Structure 2016 and CSiXRevit 2016.

CSiXRevit can be installed on the same machine as ETABS, SAP2000 or SAFE, but this is not required. Data transfer files (*.EXR) exported by CSiXRevit on one machine can be moved to another machine for importing into ETABS, SAP2000, or SAFE, and vice-versa.

The CSiXRevit installation will create the CSiXRevit.addin file which loads CSiXRevit whenever a new session of Revit Structure 2016 starts. The CSiXRevit.addin file will be placed in the non-user specific system folder "C:\ProgramData\Autodesk\Revit\Addins\2016".

The following four commands will be available in Revit Structure 2016 > Add-ins > External Tools after successful installation of CSiXRevit:

- Export to Create New ETABS, SAFE, or SAP2000 Model..
- Export to Update Existing ETABS, SAFE, or SAP2000 Model..
- Import to Create New Revit Structure Project from ETABS, SAFE, or SAP2000...
- Import to Update Existing Revit Structure Project from ETABS, SAFE, or SAP2000...

Note that SAP2000 v17.2.0 or later is required to be able to update a SAP2000 model from a Revit Structure project and vice-versa.

If the CSiXRevit.addin file gets corrupted or altered for any reason, you can recreate this file by running XMLPluginFile.exe as administrator. XMLPluginFile.exe can be found in the folder where CSiXRevit v2016 was installed.

Using the CSI Installation Wizard

Use the Installation Wizard to guide you step-by-step through the process of installation and licensing. Before installation, be sure you have your Activation Key available if you will be using a Standalone license. You should have received this by email from CSI or your dealer. If you will be using a Network license, it is necessary to have the licenses already activated on the license server that is accessible to the workstation. CSiXRevit 2016 will require a new activation key and cannot use the CSiXRevit 2015 activation key or license file.

To begin the CSI Installation Wizard, click this link:

<http://www.csiamerica.com/go/installation-wizard>

The Wizard will start and guide you through the process. The actual files needed for installation will be downloaded as necessary. An active internet connection is required throughout the installation and licensing process.

The license activation server ports are 80 and 443. If either of these ports is blocked, they need to be opened. Otherwise license activation will not be possible.

Windows User Account Control (UAC)

For recent versions of the Windows operating system (Windows 8, 7, Vista, and XP SP3), User Account Control (UAC) is enabled by default. When UAC is turned on, you must explicitly give permission to any program that wants to use "Administrative" privileges. Any program that tries to use Administrative privileges without your permission will be denied access.

The installation of the CSiXRevit and the activation of the license require "Administrative" privileges to run. When installing CSiXRevit with UAC enabled, you should expect to be prompted to allow the installer access to system folders and Windows registry. Please allow it to continue so that the installation can complete.

2. Installation Instructions for License Manager 8.5

The information in this section does not apply if you are using Standalone licenses.

Important: If you are using a network license and you have already installed the Sentinel RMS License Manager 8.5 Utilities described below, please re-install them now as these Utilities have been updated.

If you will be using a network license to run CSiXRevit 2016, the License Manager and Utilities should be installed on a license server, which is usually not one of the client workstations. The Installation Wizard provides the following installations:

Sentinel RMS License Manager 8.5

- If you have an earlier version of Sentinel RMS License v8.x.x running, uninstall it after making sure no licenses are currently in use and no commuter licenses are checked out. Make a backup of the license file "lservc", and then proceed with the installation of License Manager 8.5.
- If you are already running the Sentinel RMS License Manager 8.5 or a later version, you can skip this installation.
- If you have an earlier version of Sentinel RMS License v7.x.x running, you will need to leave this installed as v8.5 does not recognize v7.x.x licenses. Install the Sentinel RMS License Manager 8.5 on a different server.

Sentinel RMS License Manager 8.5 Utilities

- The Sentinel Utilities for License Manager 8.5 needs to be installed even if you are running a later version of the License manager. The Utilities are to be installed on the same license server as License Manager. During the installation you will be prompted for a Network Activation Key. You should have received this by email from CSI or your dealer. Enter the key and click on Activate; a Network license will then be generated and copied to the server location or appended to an existing license at the server location. Note that the License Manager 8.5 needs to be running to activate the license.

On the client workstations

To speed up finding a network license when CSiXRevit is launched, you can create a text file, LMHOST.INI, and enter the network name or IP address of the machine that is running the License Manager. If you are serving licenses on more than one machine, enter each name or IP address on a separate line of text. Save this file to the folder where CSiXRevit is installed.

3. Version Compatibility

CSiXRevit v2016.1 is compatible with:

- ETABS 2013 and ETABS 2015 (v13.1.1 and later)
- SAP2000 (v15.2.1 and later)
- SAFE 2014 (v14.0.0 and later)
- The API of “Revit Structure 2016 Build 20150506_1715 (x64)”.

Note that SAP2000 v17.2.0 or later is required to be able to update a SAP2000 model from a Revit Structure project and vice-versa.

You must check the results carefully if you use other builds of Revit Structure. The recommended build of Revit Structure can be seen in CSiXRevit by using the menu command About.

4. Significant Changes from Version 2016.0

The following changes have been made from CSiXRevit v2016.0 to v2016.1.

Incident	Description
81339 81503	<p>An incident was resolved which affected the import of SAP2000 or ETABS models into Revit Structure 2016. When CSiXRevit was unable to identify a steel section based on its name in the user's project template or the family libraries, and the user did not specify a replacement section at import time, members with that section were not imported. This incident only affected CSiXRevit 2016.</p> <p>In addition, a related enhancement was made to the import of SAP2000 models into Revit Structure. CSiXRevit 2016.1 can read steel sections which have been exported parametrically from SAP2000 v18.0 and later, that is with their dimensions written in the .exr file generated by SAP2000. When CSiXRevit imports an exr file and encounters a section with a name it cannot match to a Revit family type in the user's Revit Structure template or family libraries, CSiXRevit 2016.1 creates a new Revit family type based on the SAP2000 section dimensions. Previous versions of CSiXRevit did this for concrete or wood sections, but not for steel sections.</p>
81478	<p>Two incidents were resolved which affected the import of loads into Revit Structure 2016. Both incidents only affected CSiXRevit 2016.0. 1) When a SAP2000 or ETABS model containing braces was imported as a new Revit Structure project, the log file contained some erroneous warnings that CSiXRevit was unable to set the braces releases due to an object reference not set to an instance of an object. The warnings were erroneous and the brace releases were set. 2) When a SAP2000, ETABS, or SAFE model in which several load cases shared a common load case type, was imported into Revit, only one of the load cases was imported in Revit Structure and neither were the loads that were part of that load case.</p>
81479	<p>Two enhancements were made to facilitate the import of .exr files into localized versions of Revit Structure featuring built-in family names and library folder names other than those used in the US version. 1) The "CSiXRevit Family Name Mapping.txt" files which provide translations of localized built-in family names and parameter names also can include localized family library folder names. 2) Support for nested family library</p>

Incident	Description
	folders - that is folders containing subfolders - is now provided.