

CATIA V4 Export for AutoCAD

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CATIA V4 Export for AutoCAD Help

Welcome to *CATIA V4 Export for AutoCAD* Help!

This help file provides all the information you need to understand and use *CATIA V4 Export for AutoCAD*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *CATIA V4 Export for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *CATIA V4 Export for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands added by *CATIA V4 Export for AutoCAD*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

Note:

- Please refer to the section "Loading Instructions" in the [ReadMe](#) file to load *CATIA V4 Export for AutoCAD* plug-in file into the AutoCAD environment.
- Please read the [License Agreement](#) before using the software.

Introduction

CATIA V4 Export for AutoCAD is a CATIA V4 file export plug-in for AutoCAD. This plug-in gives AutoCAD the ability to export 3D solid data from AutoCAD to a CATIA V4 file.

CATIA V4 Export for AutoCAD reads 3D solid objects in the active AutoCAD drawing and converts them to equivalent CATIA V4 solid bodies. This plug-in does not need CATIA V4 to be installed on the computer or on the network.

CATIA V4 Export for AutoCAD is powered by the widely used 3D InterOp technology from Spatial. 3D InterOp is the industry standard for proprietary CAD file format data exchange and is used in almost all the major CAD systems. Besides data exchange 3D InterOp also offers powerful repairing and healing features which are extensively used in *CATIA V4 Export for AutoCAD*. Repairing involves checking the file for corrupted data and fixing the invalid data. Healing corrects the differences in precision. *CATIA V4 Export for AutoCAD* also creates a detailed log file which is extremely useful in identifying data translation problems and aids in locating and fixing errors.

CATIA V4 Export for AutoCAD can export to CATIA V4 files from CATIA version 4.1.9 to CATIA 4.2.4.

CATIA V4 Export for AutoCAD is designed to work with the following versions of AutoCAD:

- AutoCAD 2010 (32 & 64 Bit)
- AutoCAD 2009 (32 & 64 Bit)
- AutoCAD 2008 (32 & 64 Bit)
- AutoCAD 2007
- AutoCAD 2006
- AutoCAD 2005
- AutoCAD 2004
- AutoCAD 2002
- AutoCAD 2000i
- AutoCAD 2000

CATIA V4 Export for AutoCAD is very easy to use. Once installed, it must be loaded into the AutoCAD environment. There are simple instructions for this in the [ReadMe](#) file. Once loaded it adds new commands to AutoCAD's existing commands and a new submenu called "CATIAV4Export" to the AutoCAD menu containing these newly added commands.

CATIA V4 Export for AutoCAD comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

About CATIA V4

CATIA (Computer Aided Three-dimensional Interactive Application) is a multi-platform

CAD/CAM/CAE commercial software suite developed by the French company Dassault Systemes. CATIA is the cornerstone of the Dassault Systemes product lifecycle management software suite. Although later versions of CATIA V4 implemented NURBS, V4 principally used piecewise polynomial surfaces. CATIA V4 uses a non-manifold solid engine.

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ReadMe

This is the *CATIA V4 Export for AutoCAD* ReadMe file.

Thank you for installing CATIA V4 Export for AutoCAD.

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of CATIA V4 Export for AutoCAD.

Loading Instructions:

=====

Since CATIA V4 Export for AutoCAD is a plug-in for AutoCAD, it has to be loaded into the AutoCAD environment before it can be used. Loading is a one time process. CATIA V4 Export for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The CATIA V4 Export for AutoCAD plug-in files are installed into the CATIA V4 Export for AutoCAD installation folder (typically "C:\Program Files\SYCODE\CATIA V4 Export for AutoCAD\"). The plug-in files have an extension of ".arx".

The list of plug-in files along with the version of AutoCAD is shown below. Please be sure to use the plug-in file that corresponds to your version of AutoCAD.

```
CATIAV4Export_VC60.arx    -> AutoCAD 2000, 2000i, 2002
CATIAV4Export_VC70.arx    -> AutoCAD 2004, 2005, 2006
CATIAV4Export_VC80.arx    -> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
CATIAV4Export_VC80x64.arx -> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
CATIAV4Export_VC90.arx    -> AutoCAD 2010 (32 Bit)
CATIAV4Export_VC90x64.arx -> AutoCAD 2010 (64 Bit)
```

- (1) Select "Load Application..." from "Tools" menu or enter the "_APpload" command.
- (2) Click the "Contents" button in "Startup Suite"
- (3) Click the "Add" button.
- (4) Browse for the plug-in file for your version of AutoCAD (see list above).
- (5) Click the "Add" button on the Add File to Startup Suite dialog box.
- (6) Click the "Close" button to close the Startup Suite dialog box.
- (7) Click the "Close" button to close the Load/Unload Applications dialog box.

Now CATIA V4 Export for AutoCAD is completely installed and ready for use.

Usage:

=====

CATIA V4 Export for AutoCAD adds new commands to AutoCAD. The commands added are:

CATIA V4 Export for AutoCAD

- 1) CATIAV4Export - Exports a CATIA V4 file
- 2) CATIAV4ExportHelp - Displays the CATIA V4 Export for AutoCAD help file
- 3) CATIAV4ExportRegister - Registers your copy of CATIA V4 Export for AutoCAD
- 4) CATIAV4ExportAbout - Displays the CATIA V4 Export for AutoCAD about box

Sample Files:

=====

Sample files are copied into the Samples folder which is located in the CATIA V4 Export for AutoCAD installation folder (typically "C:\Program Files\SYCODE\CATIA V4 Export for AutoCAD\"). You can try CATIA V4 Export for AutoCAD using these sample files.

Support:

=====

For support, please E-Mail support@sycode.com

Contact

| | |
|-----------------|--|
| Mailing address | S1/116, Nova Cidade Complex, NH 17, Alto Porvorim, Goa - 403521 India |
| Phone | +91 9822689298 |
| Fax | +91 832 2416615 |
| E-Mail | info@sycode.com |
| Web Site | http://www.sycode.com |

Command Reference

CATIA V4 Export for AutoCAD adds new commands to AutoCAD and a submenu called "CATIAV4Export" which houses them. The new commands are:

| | |
|---------------------------------------|---|
| CATIAV4Export | Exports a CATIA V4 file |
| CATIAV4ExportHelp | Displays the <i>CATIA V4 Export for AutoCAD</i> help file |
| CATIAV4ExportRegister | Register your copy of <i>CATIA V4 Export for AutoCAD</i> |
| CATIAV4ExportAbout | Displays the <i>CATIA V4 Export for AutoCAD</i> about box |

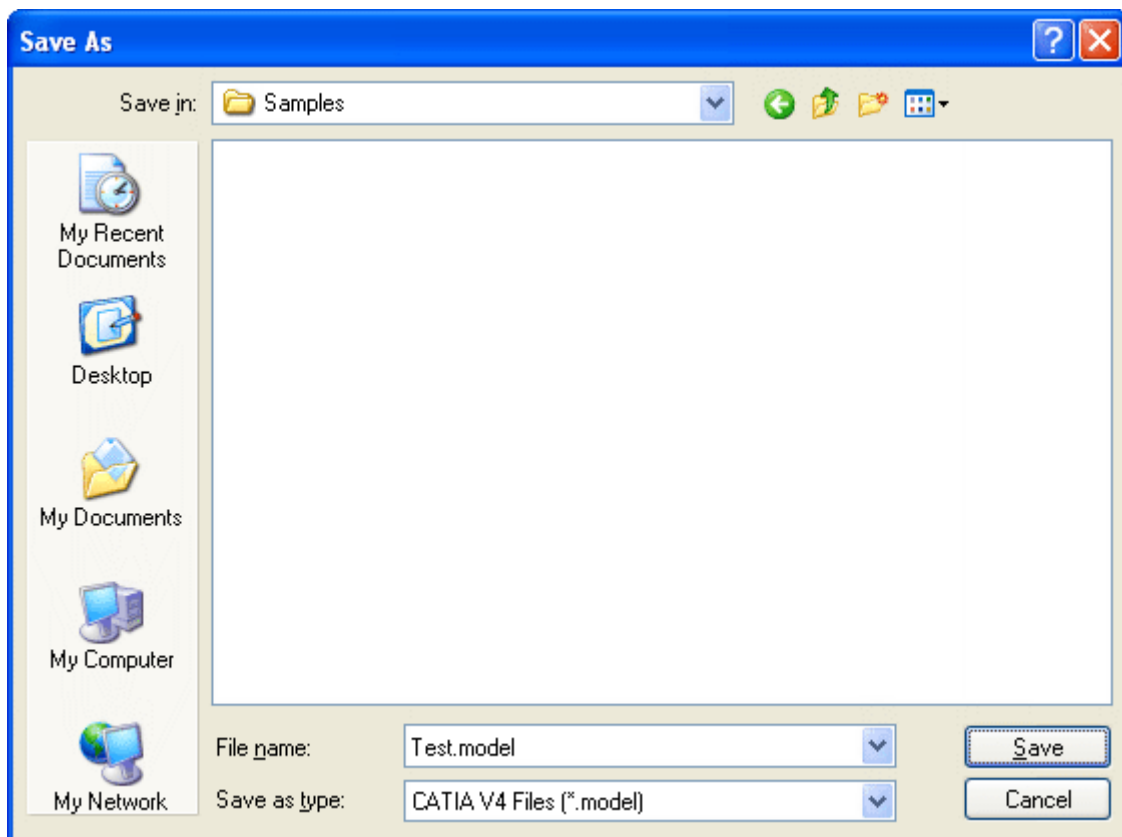
CATIAV4Export

| | |
|--------------------|------------------------|
| Menu Button | CATIAV4Export > Export |
| Command | CATIAV4Export |

This command is used to export CATIA V4 part and assembly files from AutoCAD

To export a CATIA V4 file

1. Select *Export* from the "CATIAV4Export" menu or type *CATIAV4Export* at the AutoCAD command prompt and press *Enter*.
2. At the AutoCAD "Select Objects" command prompt, select the objects that you wish to export. Press *Enter* when done.
3. The AutoCAD "Save As" dialog box is displayed. Enter the name of a CATIA V4 file and click *Save*.



4. The "CATIA V4 Export for AutoCAD Options" dialog box is displayed. Select the options as required and click *Ok*.

CATIAV4ExportHelp

| | |
|--------------------|----------------------|
| Menu Button | CATIAV4Export > Help |
| Command | CATIAV4ExportHelp |

This command displays the help file. The [Welcome](#) page is a good place to start.

CATIAV4ExportRegister

| | |
|--------------------|--------------------------|
| Menu Button | CATIAV4Export > Register |
| Command | CATIAV4ExportRegister |

This command is used to register your copy of *CATIA V4 Export for AutoCAD*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. Normally, we issue the trial key immediately. However, this product uses libraries from a third party which we need to be licensed separately on your computer. For this reason, the trial key will be issued within one business day. A permanent key is issued after you have purchased a license.

SYCODE License Server

Product Name: CATIA V4 Export for AutoCAD 2010 version 1.0

Host ID: 00-1D-7D-FD-AD-1D

License Key: RcaADFDD1D1U1C01fdEF0D04CN1wEE00AAVt52EwEE04I
8R80RFa1A14p0SDiqD0SD1E7uein688CCBDhgQA14H2B1Zk
7Cfm30DDFDsdfcvcZU17095K501IDAA71RF0D81DF

=== LICENSE KEY PARAMETERS ===
Key type: Trial
Expires: 24-Nov-2009
Runs remaining: 10

How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

CATIA V4 Export for AutoCAD

IMPORTANT:

- (1) Please ensure that your computer is connected to the internet before you request for a key.
- (2) Please be sure to enter a valid email address as the key will be sent to you by email.
- (2) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to register@sycode.com

CATIAV4ExportAbout

Menu Button CATIAV4Export > About

Command CATIAV4ExportAbout

This command is used to display the *CATIA V4 Export for AutoCAD* About box. The About box lists the software and its version.



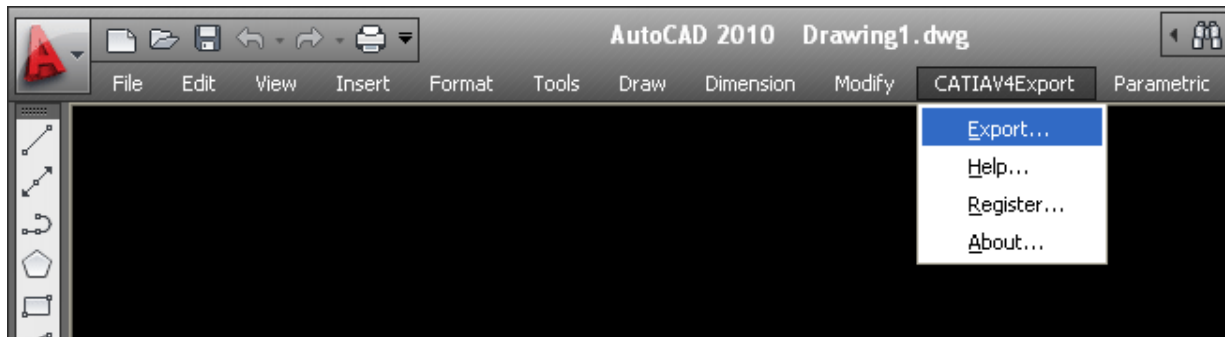
Tutorial

This tutorial provides the necessary information and hands-on experience to help you get started with *CATIA V4 Export for AutoCAD*.

Step 1: Start AutoCAD.

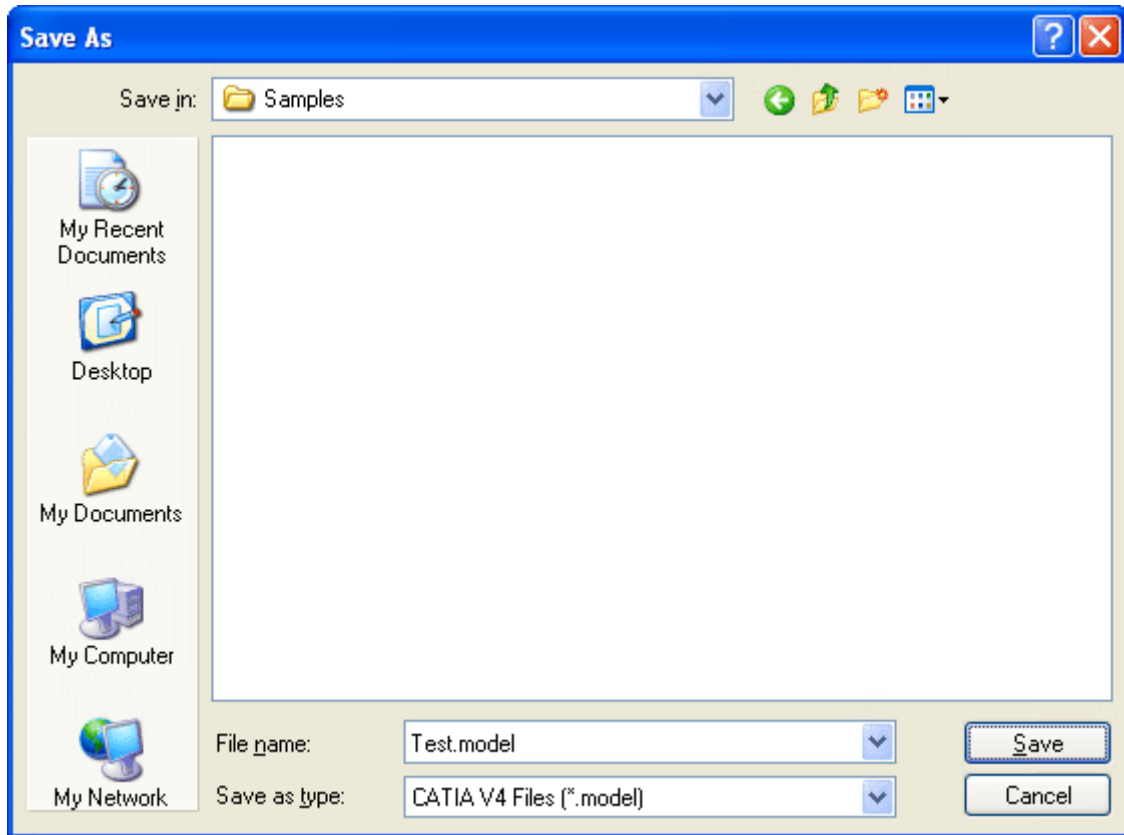
Step 2: Select "Open" from the AutoCAD file menu. The "Select File" dialog box is displayed. Select the file `C:\Program Files\SYCODE\CATIA V4 Export for AutoCAD\Samples\Sample 1.dwg` and click Open.

Step 3: Select *Export* from the "CATIAV4Export" menu or type *CATIAV4Export* at the AutoCAD command prompt and press Enter.



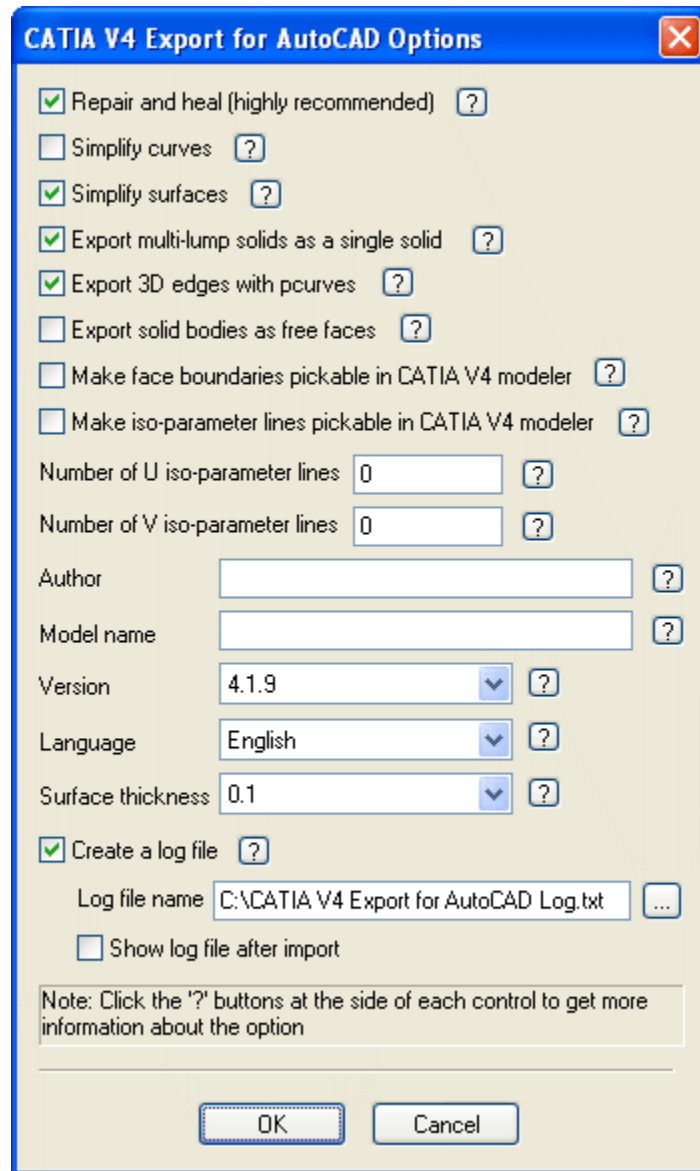
Step 4: At the AutoCAD "Select objects" command prompt, select the objects you wish to export. Press *Enter* when done.

Step 5: The AutoCAD "Save As" dialog box is displayed. Enter the output file name of a CATIA V4 file and click *Save*.



Step 6: The "CATIA V4 Export for AutoCAD Options" dialog box is displayed. Select the options as required and click *Ok*.

CATIA V4 Export for AutoCAD



The image shows a dialog box titled "CATIA V4 Export for AutoCAD Options". It contains several settings for exporting a model to AutoCAD. The settings are as follows:

- Repair and heal (highly recommended) ?
- Simplify curves ?
- Simplify surfaces ?
- Export multi-lump solids as a single solid ?
- Export 3D edges with pcurves ?
- Export solid bodies as free faces ?
- Make face boundaries pickable in CATIA V4 modeler ?
- Make iso-parameter lines pickable in CATIA V4 modeler ?
- Number of U iso-parameter lines: 0 ?
- Number of V iso-parameter lines: 0 ?
- Author: [Empty text box] ?
- Model name: [Empty text box] ?
- Version: 4.1.9 ?
- Language: English ?
- Surface thickness: 0.1 ?
- Create a log file ?
- Log file name: C:\CATIA V4 Export for AutoCAD Log.txt ...
- Show log file after import

Note: Click the '?' buttons at the side of each control to get more information about the option

Buttons: OK, Cancel

The model will be exported to Catia V4 file, you specified.