

CoCreate OneSpace Modeling 2007: Installation and Configuration

This document describes how to install CoCreate OneSpace Modeling on Windows 2000®¹, Windows XP® Professional or Windows Vista®.

Please note that this document will not teach you how to install and use Windows 2000®, Windows XP® Professional or Windows Vista®. Please refer to the original Microsoft documentation where needed.

Hardware Requirements

A detailed listing of hardware requirements can be found at the CoCreate web site:

http://www.cocreate.com/osd_requirements

Software and License Requirements

The following software and licenses are required to run CoCreate OneSpace Modeling:

- Software:
 - Windows 2000®, Windows XP® Professional, Windows XP® Professional 64-bit Edition, Windows Vista® or Windows Vista® 64-bit Edition
 - Graphics drivers (with OpenGL support)
- Licensing:
 - License Server Rev 15 or higher

Installing CoCreate OneSpace Modeling

Before you start the installation, make sure that no other version of CoCreate OneSpace Modeling is running.

If you already have earlier versions of CoCreate OneSpace Modeling installed, the new version will be installed in addition to your previous version.

If you already have an older version of CoCreate OneSpace Modeling 2007 installed, the installer will automatically upgrade your existing installation. You do not need to remove the previous version.

If you do not want an automatic upgrade of your previous version of CoCreate OneSpace Modeling 2007, please follow the instructions below in the section **Installing multiple versions of CoCreate OneSpace Modeling in parallel**.

If you install the same version of CoCreate OneSpace Modeling, you can choose to modify, repair, or remove your existing installation.

Install CoCreate OneSpace Modeling as follows:

¹ Windows XP® , Windows 2000® and Windows Vista® are registered trademarks of Microsoft Corporation.

1. Log on as a user with at least administrator or power user privileges. You need administrator privileges to run the installation on a Windows Vista® system
2. Insert the DVD.
3. Double-click the file *DVDSetup.exe*.
4. Follow the instructions in the installation procedure.
5. When the installation is complete, you can find CoCreate OneSpace Modeling in the **Start > Programs > CoCreate OneSpace** menu.

Installing multiple versions of CoCreate OneSpace Modeling in parallel

Typically, only one version of OneSpace Modeling will exist on your system. During a regular installation, the existing version is upgraded automatically to the new version. However, you may want to keep multiple versions of OneSpace Modeling in parallel on the same system (e.g. for test purposes). To allow this mode, use the alternative way of installing the software.

Install CoCreate OneSpace Modeling in addition to an existing installation as follows:

1. Log on as a user with at least administrator or power user privileges. You need administrator privileges to run the installation on a Windows Vista® system
2. Insert the DVD.
3. Double-click the file *setup_parallel.exe* (located in the sub-folder Modeling and Drafting\OneSpace Modeling\Base Product).
4. Follow the instructions in the installation procedure.

Note If OneSpace Modeling is installed this way, the installation cannot be upgraded or patched at a later time. For regular usage, the installation using *setup.exe* is strongly recommended. This instance of CoCreate OneSpace Modeling can be distinguished from a regularly installed version by its name (in **Add or Remove Programs**, or the **Start Menu**). The name contains the exact version as a postfix (e.g. "CoCreate OneSpace Modeling 2007 - 15.50.0.x").

Note You cannot install the same version multiple times. If you uninstall a version that has multiple copies, registry entries required for the proper operation of its siblings may be deleted.

Uninstalling CoCreate OneSpace Modeling

Warning The following commands will remove all files delivered with CoCreate OneSpace Modeling. Any additional files that you have created will not be removed. However, if you have modified any of the CoCreate OneSpace Modeling files, they WILL be removed. Make copies of the modified files or save them before proceeding.

Uninstall CoCreate OneSpace Modeling as follows:

1. Open the **Control Panel**.
2. Click **Add or Remove Programs**.
3. Select **CoCreate OneSpace Modeling 2007** in the Add or Remove Programs dialog.
4. Click **Add or Remove** to uninstall CoCreate OneSpace Modeling.

User Interface Customization for CoCreate OneSpace Modeling on Windows

User interface customization data is kept in the personal customization directory. This directory is created in the user's profile directory. The default location is `c:\Documents and Settings\user\Application Data\CoCreate\OSD_Modeling\major.minor`.

Release notes

For more information, please read the Release Notes document that is installed in **Start > Programs > CoCreate OneSpace > CoCreate OneSpace Modeling 2007**. This file contains last-minute information.

Configuring CoCreate OneSpace Modeling

This section describes how to configure CoCreate OneSpace Modeling including:

- [Choosing the Graphics Board Configuration](#)
- [Defining an Editor](#)
- [Setting up the License Server](#)
- [Blocked Licenses and License Version Compatibility](#)
- [Configuring License Server clients](#)
- [Activating/Deactivating CoCreate OneSpace Modeling modules](#)
- [Running CoCreate OneSpace Modeling](#)

Note Editing Configuration Files: The Notepad editor does not handle UNIX-style line endings correctly; the whole file will be displayed as one line. We recommend using WordPad or another text editor that handles these line styles correctly.

Choosing the Graphics Board Configuration

To run CoCreate OneSpace Modeling, you should use a resolution of at least 1024x768 pixels and a color depth of at least 15 bits to produce more than 32768 colors.

Your graphics board, however, might not be able to accelerate 3D operations in high resolution or in True Color mode, so you may need to find a compromise. Consult the documentation supplied with your graphics board about supported resolutions and color depths in 3D mode.

Hardware versus Software Rendering

Hardware rendering means that 3D graphics operations are accelerated by specific 3D graphics hardware in your system. Most graphics boards have dedicated 3D hardware.

Software rendering means that 3D graphics operations are done in software, i.e. using your PC's main processor.

In general, hardware rendering is the preferred mode as it gives better performance than software rendering. Be aware, though, that in the hardware rendering mode you are actually using the specific 3D graphics driver which comes with your board, i.e. you might see different behavior than with software rendering. If you notice problems with your graphics driver, you can sometimes work around them by switching to software rendering so that the

3D acceleration is not used. Many boards also have a separate control panel which offers an option to explicitly turn 3D acceleration off. If you are using a certified graphics board and the symptom disappears after switching to software rendering mode, please report the case to CoCreate support.

Your graphics hardware can usually run in various modes ("pixel formats"). These modes do not only differ in screen resolution and color depth; a few of them might not be 3D-accelerated at all even if your graphics board has the necessary hardware. CoCreate OneSpace Modeling tries to find an appropriate display mode with hardware acceleration turned on at the current resolution.

Defining an Editor

CoCreate OneSpace Modeling 2007 introduces support for Unicode. Unfortunately not all text editors handle Unicode text files correctly. For this reason, OneSpace Modeling now ships with a customized version of the open-source editor Notepad++, which correctly handles Unicode files. If Notepad++ is installed on your system, OneSpace Modeling uses it as its default external editor. Notepad++ is a separate install option in the CoCreate OneSpace Suite, and includes syntax highlighter files for Modeling Lisp and the OneSpace Drafting macro language.

You can also define any other text editor of your choice using the environment variables EDITOR or SEDITOR. SEDITOR takes precedence over EDITOR. Assuming that your favorite editor is installed as *C:\Program Files\SomeEditor\editor.exe*, you can follow these steps to define it as the default text editor for OneSpace Modeling:

1. Open the Control Panel. Click **Start > Settings > Control Panel**.
2. Double-click the System icon.
3. In the System Properties dialog, click the **Advanced** tab, then click **Environment Variables**.
4. For Variable enter **EDITOR** or **SEEDITOR**.
5. For Value enter **C:\Program Files\SomeEditor\editor.exe**.
6. Click **Set**, then click **OK**.

Note The standard Microsoft editors WordPad and Notepad are not recommended for editing OneSpace Modeling text files. See the topic **Unicode: Editing Unicode text files** in the help for more details and other recommended Unicode text editors.

Setting Up the License Server

The License Server program provides software security for CoCreate OneSpace Modeling. It is installed on a single PC or workstation which issues licenses to other systems running CoCreate OneSpace Modeling.

For more information, see the *License Server Help*.

To Obtain Your Password

CoCreate OneSpace Modeling is password-protected. To run, each CoCreate OneSpace Modeling module requires a password on the License Server PC.

You can obtain your passwords from the Internet based License and Upgrade Delivery Service on the <http://www.cocreate.com/licensing> Web page.

To access this area, you need your customer number (found on all CoCreate documents) and an access password.

Find your product data and enter the physical ID of your security device. The password will be returned online immediately.

The password-protected software modules of CoCreate OneSpace Modeling on Windows are:

- Design Modeling (Upgrade password-protected)
- Sheet Metal (Upgrade password-protected)
- FE Analysis (Upgrade password-protected)
- Surfacing (Upgrade password-protected)
- Advanced Design
- Mold Base
- 3D Library
- CATIA Data Adapter
- CATIA V5 Adapter
- PTC Pro/ENGINEER Data Adapter
- I-DEAS Data Adapter
- Unigraphics NX Data Adapter
- SolidWorks Data Adapter
- XVL Data Adapter
- eDrawings (professional)

To Start the License Server

In order to run CoCreate OneSpace Modeling, the License Server program must be registered and started. Generally you will skip this section because the License Server is started automatically. You will have to start the License Server only if something went wrong or if you explicitly stopped it.

1. To go to the License Server menu select **Start / Programs / CoCreate OneSpace / CoCreate OneSpace License Server 2007**
2. To register the License Server click **Register License Server** in **Control Service**.
3. To start the License Server click **Start License Server** in **Control Service**.

Please note that with this button sequence the License Server will start automatically whenever Windows is restarted. To prevent this behavior:

1. Select **Start / Settings / Control Panel / Services**.
2. Click on **MEIs**
3. Click the **Startup ...** button.
4. Select the Startup Type `Manual` and click the **OK** button.
5. Click the **Start** button.

Blocked Licenses

Since OneSpace Designer Modeling 2004, the License Server has rejected blocked licenses.

Blocked licenses are licenses which are marked as "blocked" in the CoCreate license database. Licenses were usually blocked if they were split or moved to other License Servers during a license exchange process.

No operations can be performed on blocked licenses.

To Obtain and Release Licenses

The License Server issues available licenses to those users who want to run CoCreate OneSpace Modeling, and it releases the licenses when they exit CoCreate OneSpace Modeling.

The following conditions must be met in order to get a license:

- The password must be in the configuration file (default is `MELs.conf`) on the License Server PC or workstation.
- The number of users permitted by a specific password must not be exceeded. If it is, the user requesting the license must wait for the next available license.

Under different circumstances the License Server responds to requests for licenses as follows:

License is available:	CoCreate OneSpace Modeling appears on the user's PC or workstation screen.
All available licenses are used:	CoCreate OneSpace Modeling will not run.
The user's PC or terminal is idle for more than 3 hours:	The License Server takes back the user's license after 3 hours, so it is available for another user.
The network connection breaks:	CoCreate OneSpace Modeling tries to re-establish the broken connection with the License Server every five seconds and displays a dialog box.
	You can choose to wait until a license becomes available, or you can exit CoCreate OneSpace Modeling by clicking Exit and then confirming the exit.

Warning Clicking Exit and then Confirm will cause CoCreate OneSpace Modeling to terminate without saving your data!

The PC running CoCreate OneSpace Modeling hangs or is switched off:	The License Server immediately releases the user's license.
The user exits CoCreate OneSpace Modeling or terminates the CoCreate OneSpace Modeling process:	The License Server immediately releases the user's license, so it is available for other users.

To monitor the License Server activity

The License Server activity is recorded in an event log file. This file contains a record of the licenses granted and released for different hostnames and certificates, and it lists the errors encountered while the License Server is running.

To check that the License Server is running and that licenses have been granted,

1. Click **Start / Programs / Administrative Tools / Event Viewer**.

2. Click **Log** and select the **Application** option.

You can also display the License Server Information in your Web browser:

1. Click **Start / Programs / CoCreate OneSpace / CoCreate OneSpace License Server 2007 / License Server Information**.
2. Your HTML-browser pops up showing the required information.

Configuring License Server Clients

Each PC or workstation in your network running CoCreate OneSpace Modeling needs to know the name of at least one host on which the license server is running.

The installation program prompts you to enter the list of names of the License Server hosts used by CoCreate OneSpace Modeling. Enter the name list as follows:

```
host1[,host2 ...]
```

If you want to change the name list of the License Server hosts later, use Windows **Control Panel > Add or Remove Programs**. Highlight **CoCreate OneSpace Modeling *version*** and click **Change** to launch the **Installshield Wizard**. Click **Next** until you see the **License Server** page where you can make the necessary changes to the name list.

Activating CoCreate OneSpace Modeling Modules

CoCreate OneSpace Modeling allows the user to interactively load or unload modules. Each module needs an available license. If there is no license available for the selected module, an associated message is issued. When the user unloads a module, its license is released for use by another user.

Running CoCreate OneSpace Modeling

Now you are ready to run CoCreate OneSpace Modeling:

1. Click **Start / Programs / CoCreate OneSpace / CoCreate OneSpace Modeling *version***.
2. Click **CoCreate OneSpace Modeling *version (language)***.

Using the International Versions of CoCreate OneSpace Modeling

During “Custom” installation, you can choose which language versions of CoCreate OneSpace Modeling you want to install. The English version will always be installed but you can install multiple other language versions. If you did install other language versions, the **CoCreate CoCreate OneSpace Modeling** menu will contain an entry for each installed version.

Configuring Integrated CoCreate OneSpace Modeling Applications

This section describes the configuration of the following integrated CoCreate OneSpace Modeling applications:

- [Sheet Metal](#)
- [CoCreate OneSpace Modeling Server](#)
- [Design Analysis](#)
- [PTC Pro/ENGINEER Data Adapter](#)
- [I-DEAS Data Adapter](#)
- [CATIA Data Adapter](#)
- [Unigraphics NX Data Adapter](#)

Configuring Sheet Metal

You can configure the Sheet Metal Technology Data Base (TDB), including the sheet metal settings.

To configure the default settings

Change your directory to folder:

```
<Your OneSpace Modeling folder>\personality\sd_customize\SheetAdvisor
```

Copy the file sha_customize in this directory to your local corp, site, or user customization directory. See corp, site, user customization information in the general customization manual.

If you do not copy the file, your configuration changes will be overwritten when you install a new revision of Sheet Metal.

- Use an ASCII editor to edit the file `sha_customize` as follows:
- Locate the settings you want to change, for example the units setting (`UNITS 1 :mm`).
- To change the units setting, for example to inches, edit the line to (`UNITS 1 :inch`).
- Save the file and exit.

Note Changing the units setting in Sheet Metal also overwrites the units setting of CoCreate OneSpace Modeling.

To configure the Sheet Metal TDB files

When working with Sheet Metal you need to configure your own Technology Data Base (TDB) files.

The following demonstration TDB files are delivered with Sheet Metal:

```
sha_shopstable.lsp  
sha_demoshop.lsp  
sha_demoshop_func.lsp
```

sha_costmodel.lsp
punch_fncs/sha_punch_functions.lsp
punch_fncs/sha_stamp_functions.lsp

These files are found in the folder

<Your OneSpace Modeling folder>\personality\sd_customize\SheetAdvisor\

For localized versions of the same files see the subfolders `personality\german`, `french`, `italian`, `japanese`. Note that the files `sha_punch_functions.lsp` and `sha_stamp_functions.lsp` have no localized versions.

To configure the TDB files you proceed as follows:

1. Create a new folder for your own TDB files. For example `C:\users\archive\data\`
2. Copy the demonstration TDB files to the new folder.
You may, for example, copy all Lisp files (*.lsp) from the `personality\german\sd_customize\SheetAdvisor\` folder to the `C:\users\archive\data\` folder.
3. Change to the new folder `C:\users\archive\data\` and rename the `sha_demoshop.lsp` file to, for example `my_fabrication_shop.lsp`.
4. Customize the fabrication shop file according to your manufacturing needs. For details see the Sheet Metal documentation, especially the administration guide, or the online help. You can also view the descriptions and examples in the demoshop files.
5. Specify the correct path and filenames for your TDB files in the `sha_customize` file.

Note When modifying the demonstration TDB files, or adding your own fabrication shop files, you must save the files with different names. Otherwise your changes will be overwritten and lost when you install a new version of Sheet Metal.

Installing and Configuring the CoCreate OneSpace Modeling Server (Remote Server Update Module)

The Remote Server Update functionality is supported on the following hardware platforms:

- Windows 2000® (Microsoft)
- Windows XP® Professional (Microsoft)
- Windows XP® Professional 64-bit Edition (Microsoft)
- Windows Vista® (Microsoft)
- Windows Vista® 64-bit Edition (Microsoft)

Make sure there is enough disk space in the cache directory. Install CoCreate OneSpace Modeling Server as follows:

1. Log on as a user with administrative privileges.
2. Insert the DVD.
3. Double-click the file `SETUP.exe` (located in the Modeling and Drafting sub-folder).
4. Follow the instructions in the installation procedure.

The installation automatically starts the Windows service for CoCreate OneSpace Modeling Server. Make sure your firewall does not block the server.

Installing and Configuring the Dispatcher

Install CoCreate OneSpace Dispatcher as follows:

1. Log on as a user with administrative privileges.
2. Insert the DVD.
3. Double-click the file *SETUP.exe* (located in the Modeling and Drafting sub-folder).
4. Follow the instructions in the installation procedure.

When the installation is complete, you can start CoCreate OneSpace Dispatcher in the **Start > Programs > CoCreate OneSpace Dispatcher version** menu.

To add a server to the list:

1. Click **View**.
2. Click **Server**.
3. Enter the server name in the **Add Server** field.

To configure the port assignments:

1. Click **Administration**.
2. Click **Configure**.
3. Enter the client port number in the **Client Port** field. The default number is 2310.
4. Enter the server port number in the **Server Port** field. The default number is 2309.
5. If necessary, change the value of the **Update Interval**.
6. If necessary, change the path of the **Cache Directory**.
7. Click **OK** to accept your settings and close the menu.

The additional commands under **Administration** let you do the following:

Suspend Dispatching	Suspends dispatching of new requests.
Resume Dispatching	Resumes dispatching of requests.
Stop Accepting Requests	Stop accepting new requests but continue with requests in progress.
Resume Accepting Requests	Resume accepting new requests.

- To enable a server, highlight the server and click **Enable**.
- To disable a server, highlight the server and click **Disable**.
- To remove a server from the list, highlight the server and click **Remove**.
- To cancel a job, highlight the job and click **Cancel**.

Troubleshooting the Dispatcher

Checking Port Assignments

If the remote functionality is not working correctly, the most likely problem is wrong port assignments between client-dispatcher-server. Check the following:

- **Server not running!**

In the file %SYSTEMROOT%\system32\drivers\etc\services, check that the following entry is correct:

```
SDserver(version) 2309/tcp
```

The number 2309 is the port assigned to communicate between the dispatcher and the server and must be identical to the number in the **Port** data entry field in the **Dispatcher** menu. If this port is already in use, select an unused port and make sure you change the assignment in the **Dispatcher** menu.

Also, check in the Control Panel whether the service `SDserver` is running, otherwise install and start the following service program:

```
<Your OneSpace Modeling folder>\SDserver.exe -install
```

Using Network Administration Tools

If you are using networking administration tools, make sure that the tool supports local naming entries. This is because the default for the server port number in the dispatcher is 2309. Some network administration tools may ignore this port assignment and the dispatcher is then unable to connect to the server.

Configuring Design Analysis

To configure Design Analysis, please refer to the online document:

```
<Your personal installation directory>\help\osdm\HtmlHelp\<language>\OSDM_CommonDoc.chm
```

and browse to the topic

```
"Design Analysis" - "English" - "Configuration"
```

Installing the PTC Pro/ENGINEER Data Adapter

During the installation of CoCreate OneSpace Modeling you are asked if you want to install the PTC Pro/ENGINEER Data Adapter. If you specify to do so, the file `plugin_start.html` describes how to register the link on the PTC Pro/ENGINEER side. The default location for this file is:

```
< Your personal installation directory  
>\OneSpace_CAD_Adapters_2007\ProE\documentation
```

Installing the I-DEAS Data Adapter

During the installation of CoCreate OneSpace Modeling you are asked if you want to install the I-DEAS Data Adapter. If you specify to do so, the file `plugin_start.html` describes how to register the link on the I-DEAS side. The default location for this file is:

```
< Your personal installation directory  
>\OneSpace_CAD_Adapters_2007\IDEAS\documentation\
```

Installing the CATIA V5 Data Adapter

The CATIA V5 Data Adapter is an Elysium product. To obtain CATIA V5, go to the following Web site: <http://www.elysiuminc.com>. You have to log in with your username and password. You can find the adapter and Installation Guide below CAD-Porter → Downloads → CoCreate.

Installing the Unigraphics NX Data Adapter

During the installation of CoCreate OneSpace Modeling you are asked if you want to install the Unigraphics NX Data Adapter. If you specify to do so, the file `plugin_start.html` describes how to register the link on the Unigraphics NX side. The default location for this file is:

```
< Your personal installation directory  
>\OneSpace_CAD_Adapters_2007\UG\documentation\
```

.NET Framework Installation

For running Add-in applications or clients that are based on CoCreate OneSpace Modeling's .NET API, the installation of the **Microsoft® .NET Framework** revision 2.0.50727 is mandatory.

When installing CoCreate OneSpace Modeling from DVD, the installation procedure will automatically check the .NET Framework installation prerequisites and initiate the installation accordingly. It is highly recommended to install the .NET Framework manually as described below if it has not been installed automatically; this could have been caused by:

- The .NET Framework installation prerequisites are not met.
- The .NET Framework installation has been cancelled.
- CoCreate OneSpace Modeling is directly installed from a download package.

Accessing the Installation Package

The installation package is located on the installation DVD under "Modeling and Drafting\Prerequisites\x86\dotnetfx.exe", or it can be downloaded either from CoCreate's [eSupport M@rketplace](#) (support customers only, login required), or directly from Microsoft.

The installation package for OneSpace Modeling, 64-bit edition, is located on the installation DVD under "Modeling and Drafting\Prerequisites\amd64\dotnetfx.exe\NetFx64.exe"

Installation

For installation just run the installation package; the installation of the .NET Framework requires **Administrator** privileges.

If you install the .NET Framework after installing CoCreate OneSpace Modeling, you will then have to re-register the application by calling the following command:

```
<Your OneSpace Modeling folder>\binNT\SolidDesigner /register
```

The above command must be issued from a command prompt window.

If beta versions of the .NET Framework 2.0 are already installed on the target system, these have to be uninstalled first. Install the released .NET Framework 2.0.50727 manually in order to get detailed installation instructions.

If You Have a Problem

This section describes problems you might encounter when installing or using CoCreate OneSpace Modeling. In each case, the appropriate remedial action is given.

It also describes how to send feedback and report problems.

- [Sending Feedback and Reporting Problems](#)
- [File Transfer between UNIX and PC](#)
- [Not Enough Memory](#)
- [Graphical Performance Deficiencies](#)
- [Lengthy CoCreate OneSpace Modeling Computation](#)
- [NFS problems](#)
- [Insufficient Disk Space](#)
- [Handling Large Amounts of Data](#)

Sending Feedback and Reporting Problems

PCs are installed in a wide variety of configurations. Therefore it is important that you provide configuration data with any support request. This will help us to verify and solve the problem.

To submit a report, please use your standard support contact.

PC configuration

Save a configuration report to a file using the Windows Diagnostics tool:

1. Open **Start / Settings / Control Panel / Administrative Tools / Computer Management**.
2. Select **Save Report** or **Print Report** in the File menu depending on whether you want to send the report using email or fax.
3. Make sure you select **All tabs** as the scope and **Complete** as the detail level of the diagnostic output.

If for some reason you cannot provide such an automated report, make sure that your report contains the following data:

- Type of graphics board used, including its memory configuration
- Display resolution and number of colors; driver version number if the problem is display-related (to find out the driver version number, click the right button over a free area on the desktop, choose **Properties**, select the **Settings** menu and click on **Display Type**)
- Amount of main memory and swap space
- Processor type

- Network card used; driver version and network configuration if the problem is network-related (the license server requires a proper TCP/IP installation)
- Active services
- Any special things you had to do on your PC to get CoCreate OneSpace Modeling installed
- Non-standard environment variables

CoCreate OneSpace Modeling version information

- Version number as displayed in the CoCreate OneSpace Modeling Copyright screen
- File date (should be sufficient in most cases)
- Size of the `.exe` file

Files needed to reproduce the problem

- Any customization files you use (such as `sd_customize`)
- Recorder files
- CoCreate OneSpace Modeling data files

Customization directories used

- Click **Edit > Settings > UI Settings > Customizations** tab > **Show Directories** and send us the contents of the output box

File Transfer between UNIX and PC

Files and path names on a PC differ from their counterparts on UNIX workstations. There are different file name and path name conventions, and ASCII files use different end of line definitions.

Symptoms

- UNIX-style ASCII files are not displayed correctly.
- Filenames change during transfer.
- Path names are not understood.

To solve this problem

ASCII files:

On a PC, lines end with a `<CR> <LF>` combination (where `<CR>` is ASCII 13 and `<LF>` is ASCII 10). On UNIX systems, lines end with `<LF>` only. Furthermore, special characters (such as umlauts) are encoded differently on the various UNIX platforms.

The Notepad editor cannot handle UNIX-style ASCII files. Use the WordPad editor instead.

Filenames:

The conventions for filenames differ between PCs and UNIX workstations. This is mainly due to the influence of the FAT file system on PCs which originally only supported 8+3 filenames (i.e. a basename of up to 8 characters plus an extension of 3 characters). When transferring files, you may encounter the following:

CoCreate OneSpace Modeling creates data files with 3- and 4-character extensions. Make sure you are transferring these files with programs which handle long filenames correctly. Some ftp clients, for example, support 3-character extensions only. The built-in Windows ftp client handles long filenames correctly.

Case is also significant in CoCreate OneSpace Modeling filenames. Make sure that any file transfer tools (such as ftp clients) preserve the case - the default Windows tools do.

Path names:

CoCreate OneSpace Modeling on Windows uses the UNIX path name convention, i.e. paths contain forward slashes instead of backslashes, for example:

```
personality/sd_customize/ANNOTATION
```

On the Windows platform, there is no unique root in the file system; instead, there are several drives, and each of them has a root folder. This requires a special file name convention.

For example, if within CoCreate OneSpace Modeling your current drive is `D:` and you want to change to drive `C:`, enter the following in the CoCreate OneSpace Modeling command line:

```
cd "C:/"
```

In menus or, for example in the File Browser you type

```
"Drive:/"
```

where you would type *Drive:* (like `C:` or `D:`) in a DOS/Windows path name.

Not Enough Memory

In certain circumstances CoCreate OneSpace Modeling may report that there is not enough memory available.

Symptoms

CoCreate OneSpace Modeling displays the following error message:

```
Not enough memory. Please store data and exit.
```

To solve this problem

1. Save the current model.
2. Restart CoCreate OneSpace Modeling.

Graphical Performance Deficiencies

Depending on your graphics board and whether you are working with hardware or with software rendering you may experience different problems in the graphics area.

For more details on the configuration see [Choosing the Graphics Board Configuration](#). This section provides you with hints and workarounds concerning the problems you might encounter.

Graphical Performance Symptoms

The graphical performance is not satisfactory when viewing shaded models.

To solve this problem

Check if the hardware acceleration is switched on. See [Choosing the Graphics Board Configuration](#) for details on how to find out whether it is switched on or off.

Viewport Symptoms

CoCreate OneSpace Modeling reports errors when you rotate certain parts and freezes the viewport.

To solve this problem

Make sure that hardware acceleration is switched on. There is a problem in Microsoft's OpenGL software renderer which may cause this behavior.

You can also work around the problem by switching 3D geometry edges off (in the CoCreate OneSpace Modeling Show menu) before loading or displaying the part.

Trail Symptoms

The mouse cursor and/or the feedback lines leave trails in the viewport as you move them.

To solve this problem

On some graphics cards, mouse shadows need to be disabled to fix the mouse trail issue. Open the Mouse control panel, open the "Pointers" tab, and uncheck the "Enable pointer shadow" option.

3D Geometry Display Symptoms

No 3D geometry displayed.

To solve this problem

Check that the Drawlist Browser is not empty and that 3D Geometry is not switched off in the Show menu. Click the **Fit** button.

Lengthy CoCreate OneSpace Modeling Computation

Sometimes you may need to interrupt a lengthy CoCreate OneSpace Modeling computation.

Symptoms

CoCreate OneSpace Modeling does not come back after starting a command, but keeps showing the hour glass.

To solve this problem

All lengthy operations in CoCreate OneSpace Modeling are interruptible by pressing the [Break] or [Esc] key on your keyboard.

If this does not help, please report the case to CoCreate support.

NFS problems

Some NFS solutions for the PC might lead to problems in conjunction with CoCreate OneSpace Modeling.

Symptoms

CoCreate OneSpace Modeling files cannot be loaded from or saved to an NFS-mounted drive.

To solve this problem

Make sure that your NFS solution is supported and can handle long filenames with more than three letters in the filename extension. We have used Intergraph's DiskAccess product (<http://www.intergraph.com>); if you are using DiskAccess' automatic filename conversion feature (which converts filenames to all lowercase or uppercase characters), however, this will slow down access to directories containing many files. We have also used the freeware tool Samba (<http://samba.anu.edu.au/samba>) successfully to connect PCs and UNIX workstations and transfer CoCreate OneSpace Modeling files.

Insufficient Disk Space

Insufficient disk space will cause the installation to fail.

Symptoms

Installation stops with a message saying "Not enough disk space".

To solve this problem

The installation program checks that the target filesystem has enough space for CoCreate OneSpace Modeling. On large FAT filesystems, however, the real disk space occupied by the installed CoCreate OneSpace Modeling can differ significantly from the sum of the CoCreate OneSpace Modeling file sizes. The installation program tries to take this into account, but is not always correct. Make sure that you install CoCreate OneSpace Modeling to a file system with sufficient disk space. A full CoCreate OneSpace Modeling installation requires up to 700 MB.

Handling Large Amounts of Data

You want to use models in CoCreate OneSpace Modeling which exceed 2 GB in memory.

To solve this problem

CoCreate OneSpace Modeling can use as much memory as the operating system provides to the application. On 64-bit operating systems, this amounts to a virtual address space for the application of up to 8 terabytes.

On 32-bit platforms, the address space is limited to 4 GB, half of which is used by the operating system, so only 2 GB of virtual memory is addressable by the application. You can move the split line in virtual memory to 3 GB, i.e. 1 GB is reserved for the operating system, while 3 GB are available to the application. This is done by configuring the operating system to run in the so-called "4GT RAM Tuning" mode.

This mode is enabled by adding the switch "/3GB" to entries in the boot.ini file. Details on the configuration are described in the release notes shipped with the above-mentioned operating systems. Microsoft also describes the configuration in a technical article titled "Memory Support and Windows Operating Systems" at

<http://www.microsoft.com/whdc/system/platform/server/PAE/PAEmem.mspx>.

Alternatively, consult the Microsoft Knowledge Base article Q291988. The Microsoft Knowledge base can be accessed via their support web site at

<http://www.support.microsoft.com/>.

Note that this special boot switch is not available in the client versions of Windows 2000®.