



Creo Elements/Direct Drafting Installation and Configuration

Creo Elements/Direct Drafting 18.1

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Installing and Configuring Creo Elements/Direct Drafting

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Introduction

This manual is intended for customers who have purchased Creo Elements/Direct Drafting to operate on computers with the Microsoft Windows 2000® or Windows XP Professional® operating systems. This manual describes:

- The minimum system requirements for Creo Elements/Direct Drafting
- What should have been done before you install Creo Elements/Direct Drafting
- The MEIs license server installation procedure
- The Creo Elements/Direct Drafting installation procedures
- How to uninstall or re-install Creo Elements/Direct Drafting

Note that the installation instructions provided in this manual assume that you will complete the installation procedure from DVD in a single session.

System Requirements

Your Creo Elements/Direct Drafting software is a 32-bit application requiring the following minimum configuration:

Computer	Intel® Pentium® or higher or compatible CPU, with DVD drive
Hard Disk	During DVD Installation: 3 GB Minimum: 100 MB
RAM	512 MB RAM (or higher)
Video Display	1024x768 resolution or higher
Mouse	Windows-compatible mouse with appropriate driver software
Operating System	One of the following: <ul style="list-style-type: none">• Windows 8 (32-bit and 64-bit Editions)• Windows 8 Pro (32-bit and 64-bit Editions)• Windows 8 Enterprise (32-bit and 64-bit Editions)• Windows 7 32-bit Editions: Ultimate, Enterprise, and Professional• Windows 7 64-bit Editions: Ultimate, Enterprise, and Professional• Microsoft Windows Vista 32-bit Editions: Ultimate, Business, and Enterprise• Microsoft Windows Vista 64-bit Editions: Ultimate, Business, and Enterprise

	<ul style="list-style-type: none"> • Microsoft Windows XP Professional • Microsoft Windows XP Professional x64 Edition
Java Runtime Environment (JRE)	Sun Java 5 (JRE 1.5 or higher) to access the Help Center

Preparing for Installation

Before you begin the software installation procedure, make sure that:

- The system hardware has been configured correctly (if not, refer to the hardware manuals).
- The operating system has been installed.
- The mouse has been installed and configured correctly.
- The display resolution is set to 1024x768 or higher.
- The password required for running Creo Elements/Direct Drafting has been obtained. Refer to [Obtaining Password\(s\) on page 9](#) for further details.
- The security device (a LAN card installed in your computer or an MSU device) required for the MEIs License Server has been installed. Follow the manufacturer's instructions when installing and configuring this security device.

Obtaining Password(s)

Creo Elements/Direct Drafting is password protected. You can obtain your passwords from the Internet based License and Upgrade Delivery Service on the <http://www.ptc.com/support/cocreate.htm> Web page.

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

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

Installing and Configuring the License Server

Creo Elements/Direct Drafting requires the Creo Elements/Direct License Server.

Check whether the Creo Elements/Direct License Server software is already installed on your system (or accessible via your network) by clicking **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct License Server [version] ▶ Control Service ▶ Start License Server**.

To install the Creo Elements/Direct License Server, simply follow the instructions displayed in the Creo Elements/Direct License Server installation dialog.

The Creo Elements/Direct License Server handles the use of licenses and prevents unauthorized users from accessing your Creo Elements/Direct software.

Note

If you have several workstations in a network running Creo Elements/Direct software products, you only need to install the License Server software on one of these workstations. This workstation is identified by its hostname. See [Specifying the Hostname on page 11](#) for further information.

Adding Licenses

When the MEIs License Server is installed, proceed as follows to add licenses for Creo Elements/Direct Drafting:

1. In the **Creo Elements Direct Licensing Configuration Client** dialog box, click **License Configuration**.
2. When prompted to select a security device port (either a COM port or a LAN port), be sure to select the port associated with the security device you specified on your Password Request Form. The installation program automatically detects the physical ID associated with your security device.

```
# @(#) MEIs.conf
#
# The format of each entry is:
# <certificate number> <password> [<access list>] [#<product description>]
#
# For example:
Hdocume08700123 9444889f34f0c46c0569c48636116007
    allow 12.15.80.0 to 12.15.87.255 # WorkManager Document rev. 7
Hsd10bse00200123 e8afa3c47a9ebd34691c3b46b461db9f
    allow 12.0.0.0 to 12.255.255.255 # Designer Modeling rev.12.0
Hme110019800123 716d767e00e7e87cb12a7b85e3f47c95
    allow 44.1.2.3 # Designer Drafting rev. 12.0
```

(Note: The lines in this example have been split to fit on the page. Do NOT insert a CR/LF (carriage return/line feed) character between the 32-digit password and the 'allow' statement! Make sure that there is a single space only.)

3. Save the MEIs.conf file.

For further instructions on how to install, use and manage the License Server, refer to the License Security Handbook supplied in HTML format in your MEIs installation directory. For example:

```
C:\Program Files\PTC\Creo Elements\Direct License Server [version]\index.html
```

or on the DVD:

```
htm\english\MEIs\MEIs.Manual\index.html
```

Specifying the Hostname

During the Creo Elements/Direct Drafting installation procedure, you will be prompted for the hostname of the computer running the MEIs License Server for this product. Specify any of the following:

localhost	You can simply tick the Use local host checkbox in the dialog if the License Server runs on the same computer as your Creo Elements/Direct software product(s).
IP address	Enter the IP address of the computer running the License Server for your Creo Elements/Direct software product(s).
Actual hostname	Enter the hostname of the computer running the MEIs License Server for your Creo Elements/Direct software product(s). See Obtaining the Hostname on page 11 .

Obtaining the Hostname

To find out the hostname of the computer running the MEIs License Server, open a DOS shell on that computer and enter `hostname`.

Alternatively, to obtain a full list of hostname and IP address information, enter the following command in a DOS shell:

```
ipconfig.exe /all
```

For example, if the actual hostname of the computer running the License Server is `coc12345p`, enter the following line:

```
LICENSE_SERVER `coc12345p`
```

Starting the License Server Manually

By default, the MEIs License Server starts up automatically. Optionally, you can start MEIs manually.

1. Change to the directory where the MEIs license server is installed.
2. Click on `MEIs.exe`.

Installing and Configuring Creo Elements/Direct Drafting

1. Log on as a user with administrator or power user privileges.
2. Insert the DVD.
3. Double-click the file `setup.exe`.
4. Follow the instructions in the installation procedure.
5. When the installation is complete, you can find Creo Elements/Direct Drafting in the **Start ▶ All Programs ▶ PTC** menu.

Starting and Exiting Creo Elements/Direct Drafting

To start Creo Elements/Direct Drafting, either click the associated Creo Elements/Direct Drafting icon or:

1. Click **Start**.
2. Click **All Programs**.
3. Click **PTC**.
4. Click **Creo Elements Direct Drafting [version]**.
5. Click the Creo Elements/Direct Drafting option you want to use:

Creo Elements/Direct Drafting	Creo Elements/Direct Drafting uses the standard Windows style user interface
Creo Elements/Direct Drafting (Classic UI)	Creo Elements/Direct Drafting uses the classic user interface familiar to users of HP-UX workstations.
Creo Elements/Direct Drafting (Mixed UI)	Creo Elements/Direct Drafting uses a mixture of the two user interfaces mentioned above.

The Creo Elements/Direct Drafting Splash Screen

The Creo Elements/Direct Drafting splash screen is displayed while Creo Elements/Direct Drafting starts. If Creo Elements/Direct Drafting fails to start properly, the splash screen aborts, and an error message is displayed.

If you want to suppress the Creo Elements/Direct Drafting splash screen, add the following line to the `me10.ini` file in the Creo Elements/Direct Drafting installation directory:

```
MENOSPLASH=1
```

By setting this variable to 0, you can re-enable the Creo Elements/Direct Drafting splash screen.

Switching Languages

By default, the Creo Elements/Direct Drafting user interface is displayed in the language to which the language variable of your operating system is set. To switch to the language of your choice while Creo Elements/Direct Drafting is running, enter the appropriate command in the user input line:

Language	Command
English	<code>change_locale 'en'</code>
French	<code>change_locale 'fr'</code>
German	<code>change_locale 'de'</code>
Italian	<code>change_locale 'it'</code>
Spanish	<code>change_locale 'es'</code>
Japanese	<code>change_locale 'ja'</code>

Alternatively, specify this command above the `Startup_menus` string in the `startup.m` file contained in the Creo Elements/Direct Drafting installation directory.

Note

If you installed Creo Elements/Direct Drafting in Custom mode, any languages you deselected during installation will not be available at Creo Elements/Direct Drafting runtime.

Exiting Creo Elements/Direct Drafting

To exit Creo Elements/Direct Drafting, click **Exit**, **Confirm** and **Yes**, or type `exit confirm` and press ENTER.

Uninstalling Creo Elements/Direct Drafting

The uninstall program removes the Creo Elements/Direct Drafting-related files you installed and deletes associated entries from the registry. Other files (such as font files) that have been saved or put in the Creo Elements/Direct Drafting directory are not removed.

Setting Up a Serial Graphics Tablet for Creo Elements/Direct Drafting

Creo Elements/Direct Drafting supports a number of popular serial graphics tablets, including the WACOM intuos² and UltraPad families.

Proceed as follows to set up Creo Elements/Direct Drafting for tablet support:

-
1. Install the tablet driver(s) supplied by your tablet vendor.
 2. Connect the tablet to the COM1 (serial) port of your system. Set up the tablet. Follow the instructions provided by your tablet vendor.
 3. Print or plot the appropriate Creo Elements/Direct Drafting overlay. Note that a number of tablet overlay files (named OVL . . .) are provided in the Creo Elements/Direct Drafting installation directory. Place this overlay on your tablet.
 4. Use a text editor to open the `me10.ini` file located in the `old_ui` subdirectory below the Creo Elements/Direct Drafting installation directory.
 5. In the `me10.ini` file, set the following variables as shown below.

```
MELOCATORPORT=com1
MELOCATORDRIVER=wintab
```
 6. Start Creo Elements/Direct Drafting in the Classic User Interface mode by selecting: **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Creo Elements Direct Drafting [version] (Classic UI)**.
 7. To calibrate the tablet for use with Creo Elements/Direct Drafting, enter the following command in the Creo Elements/Direct Drafting command line:

```
calibrate_tablet
```
 8. When prompted, pick three reference points on the tablet.

Mouse vs. Tablet

Note that you can use either a mouse or a tablet (but not both at the same time) as the pointing device in Creo Elements/Direct Drafting.

The instructions provided above set up a tablet as your pointing device in Creo Elements/Direct Drafting. If you want to use a mouse, proceed as follows:

1. Exit Creo Elements/Direct Drafting.
2. Use a text editor to open the `me10.ini` file located in the `old_ui` subdirectory below the Creo Elements/Direct Drafting installation directory.
3. In the `me10.ini` file, set the following variables as shown below.

```
MELOCATORPORT=
MELOCATORDRIVER=msmouse
```
4. Restart Creo Elements/Direct Drafting by selecting: **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Creo Elements Direct Drafting [version]**.

Checking for Late-Breaking Information

Before loading the Creo Elements/Direct Drafting files onto your system, read the `readme.htm` file for the latest information about this release. Note that this file contains late-breaking information that may not yet be included in the documentation.

Optionally, you can read this `readme.htm` file by clicking **Help ► Readme** at Creo Elements/Direct Drafting runtime.

Problems?

This section provides remedies for problems you may encounter when using Creo Elements/Direct Drafting.

Licensing Problems

If your Creo Elements/Direct Drafting license is not set up properly, Creo Elements/Direct Drafting will start in evaluation mode. In evaluation mode, you have access to the full functionality of Creo Elements/Direct Drafting. However, you can only create a limited number of elements. Once this limit is reached, you will not be able to modify or save your drawing.

When this happens, check for the following:

- Does the `passwords` file contain the correct hostname of the computer running the Creo Elements/Direct License Server?
- Is the Creo Elements/Direct License Server program running on the Creo Elements/Direct License Server computer? If you are refused a connection, you may need to execute `MEls` on the computer where the Creo Elements/Direct License Server is installed.
- Is your computer's hostname allowed in the appropriate password line in the `MEls.conf` file?
- Are the passwords entered correctly in `MEls.conf`? Note that passwords must not be specified in brackets.
- If you try to run Creo Elements/Direct Drafting without the security module connected, the following message is displayed:

Please connect a security device.

Proceed as follows to remedy this problem:

1. Use **Close Program** or the **Task Manager** to stop Creo Elements/Direct Drafting
2. Connect the security device.

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3. Configure and start the License Server.
 4. Start Creo Elements/Direct Drafting.

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