



**Creo Elements/Direct
Drafting Installation and
Configuration**
Creo Elements/Direct Drafting 20.1

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Introduction

This guide is intended for customers who have purchased Creo Elements/Direct Drafting to operate on computers with the Windows 10, Windows 8.1, Windows 8, or Windows 7 operating systems. This guide describes:



- The system requirements for Creo Elements/Direct Drafting
- Prerequisites for installing Creo Elements/Direct Drafting
- MEIs License Server installation procedures
- Creo Elements/Direct Drafting installation procedures
- How to uninstall or re-install Creo Elements/Direct Drafting

Note

The installation instructions provided in this guide assume that you 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 configuration:

CPU	One of the following, with a DVD drive: <ul style="list-style-type: none">• Intel Pentium (III, 4, M, D)• Intel Xeon• Intel Celeron• Intel Core• AMD Athlon• AMD Opteron  Note Single, dual, and multi-core CPUs are supported.
Hard Disk	During DVD Installation: 3 GB Minimum: 400 MB
RAM	Minimum: 512 MB RAM (or higher)
Video Display	1024x768 to 2047x2047 resolution  Note Dual monitor is not supported.
Mouse	Windows-compatible mouse with appropriate driver

	software.
Virtual Machines	Creo Elements/Direct Drafting is not tested or certified on virtual machines, such as Microsoft VirtualPC or VMware products.
Operating System	One of the following: <ul style="list-style-type: none"> • Windows 10 (64-bit Editions) • Windows 10 Pro (64-bit Editions) • Windows 10 Enterprise (64-bit Editions) • Windows 8.1 (32-bit and 64-bit Editions) • Windows 8.1 Pro (32-bit and 64-bit Editions) • Windows 8.1 Enterprise (32-bit and 64-bit Editions) • 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
License Server	At least one Creo Elements/Direct License Server is required to host and maintain licenses for Creo Elements/Direct products. The server could either be a local host or a computer within a network.
Java Runtime Environment (JRE)	Sun Java 5 (JRE 1.5 or higher) to access the Help Center.

A detailed listing of the system requirements can be found at:

<http://www.ptc.com/products/creo-elements-direct/drafting>

Preparing for Installation

Before you begin the software installation procedure, ensure the following:

- The system hardware is configured correctly (if not, refer to the hardware manuals).
- The operating system is installed.
- The mouse is installed and configured correctly.
- The display resolution is set to 1024x768 or higher.

-
- The password required for running Creo Elements/Direct Drafting is available. Refer to [Obtaining Password or Passwords on page 10](#) for further details.
 - The security device (a LAN card installed in your computer or an MSU device) required for the MEIs License Server is installed. Follow the manufacturer's instructions when installing and configuring this security device.

Obtaining Password or Passwords

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

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 is returned online immediately.

Installing and Configuring the License Server

Creo Elements/Direct Drafting requires 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 Creo Elements/Direct License Server, follow the instructions displayed in the Creo Elements/Direct License Server installation dialog box.

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), 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.

```
# @(#) License.conf.example
#
# 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! Ensure that there is a single space only.

3. Save the `License.conf.example` file.

For further instructions on how to install, use, and manage the License Server, refer to the License Security Handbook `Licensing.pdf` located at the following path in your MEIs installation directory:

```
Direct License server [version]\doc\C
```

Specifying the Hostname

During the Creo Elements/Direct Drafting installation procedures, you are prompted for the hostname of the computer running the MEIs License Server for this product. Specify one of the following:

Localhost	You can click the Use local host check box in the dialog box if the License Server runs on the same computer as your Creo Elements/Direct software product or products.
IP address	Type the IP address of the computer running the License Server for your Creo Elements/Direct software product or products.
Actual hostname	Type the hostname of the computer running the MEIs License Server for your Creo Elements/Direct software product or products. See Obtaining the Hostname on page 12 .

Obtaining the Hostname

To find out the hostname of the computer running the MEIs License Server, open a DOS shell on that computer and type `hostname` at the command prompt and press ENTER.

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

```
ipconfig.exe /all
```

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

```
LICENSE_SERVER `coc12345p`
```

Starting the License Server Manually

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

1. Change to the directory where the MEIs license server is installed.
2. Double-click `MEIs32.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 `setup.exe` file.
4. Follow the instructions as per the installation procedures.
5. When the installation is complete, you can find Creo Elements/Direct Drafting at the following path:

Start ► All Programs ► PTC

Starting and Exiting Creo Elements/Direct Drafting

To start Creo Elements/Direct Drafting:

- Click **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Creo Elements Direct Drafting [version]**.

To start Creo Elements/Direct Drafting with alternative UI:

- Classic UI

Click **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Alternative UI ▶ Creo Elements Direct Drafting [version] (Classic UI)**.

Creo Elements/Direct Drafting uses the classic user interface familiar to users of HP-UX workstations.

- Windows UI

Click **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Alternative UI ▶ Creo Elements Direct Drafting [version] (Windows 9x)**.

Creo Elements/Direct Drafting uses the Windows 9x user interface.

- Mixed UI

Click **Start ▶ All Programs ▶ PTC ▶ Creo Elements Direct Drafting [version] ▶ Alternative UI ▶ Creo Elements Direct Drafting [version] (Mixed UI)**.

Creo Elements/Direct Drafting uses a mixture of the two user interfaces, Windows UI and Classic UI.

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, type the appropriate command in the user input line (command line) and press ENTER:

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

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

 **Note**

If you installed Creo Elements/Direct Drafting in Custom mode, any languages you did not select during installation are not available in Creo Elements/Direct Drafting.

Exiting Creo Elements/Direct Drafting

To exit Creo Elements/Direct Drafting:

- Click **File** ► **Exit**.

Uninstalling Creo Elements/Direct Drafting

To uninstall Creo Elements/Direct Drafting:

1. Open the **Control Panel** of Microsoft Windows.
2. Double-click **Add or Remove Programs**.
3. Select **Creo Elements/Direct Drafting [version]** in the **Add or Remove Programs** dialog box.
4. Click **Remove**.

 **Note**

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 you have saved or copied in the Creo Elements/Direct Drafting directory are not removed.


Checking for Late-Breaking Information

Before loading the Creo Elements/Direct Drafting files on your system, read the `readme.htm` file for the latest information about this release.

Note

The `readme.htm` file contains late-breaking information that may not yet be included in the documentation.

Optionally, you can read the `readme.htm` file during Creo Elements/Direct Drafting runtime:

1. Click the arrow next to .
2. Click **Readme**.

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 starts 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 MEIs 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 `License.conf.example` file?
- Are the passwords entered correctly in `License.conf.example`? Passwords must not be specified in brackets.

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