



Software Matrix & Installation

Startup TOOLS 2018

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1 Hard- and Software Requirements

Please find hard- and software requirements for Startup TOOLS 2018 in the following chapter.

1.1 Creo and Pro/ENGINEER Datapacket Support

	Version 2012	Version 2013	Version 2016	Version 2017	Version 2018
Wildfire 2	(X) ¹	(X) ¹	(X) ¹	(X) ¹	-
Wildfire 3	(X) ¹	(X) ¹	(X) ¹	(X) ¹	-
Wildfire 4	X	X	(X) ¹	(X) ¹	-
Wildfire 5	X	X	X	(X) ¹	-
Creo 2.0 64 Bit Parametric, Direct, Simulate, Layout	-	X	X	X	-
Creo 3.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	-	X	X	X
Creo 4.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	-	-	X	X
Creo 5.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	-	-	-	X

Table 1-1: Supported Pro/ENGINEER and Creo Versions of Startup TOOLS

¹ This setup provides configuration packages and functionality for legacy releases. Maintenance has been discontinued for those packages. Depreciated support is marked by brackets. As a result of deprecation, no further changes will be placed into those packages.

1.2 Client Operating System Support

	Version 2012	Version 2013	Version 2016	Version 2017	Version 2018
Windows XP 32 Bit SP2 and higher	X	X	(X) ¹	-	-
Windows XP 64 Bit SP2 and higher	X	X	(X) ¹	-	-
Windows 7 32 Bit SP1	X	X	X	(X) ²	-
Windows 7 64 Bit SP1	X	X	X	X	X
Windows 8 64 Bit	-	X ≥ M050	(X) ¹	(X) ¹	(X) ¹
Windows 8.1 64 Bit	-	X ≥ M050	X	X	X
Windows 10 64 Bit	-	-	X	X	X
Windows 2003 32 Bit SP2 and higher	X	X	(X) ¹	(X) ^{1,2,3}	-
Windows 2003 64 Bit SP2 and higher	X	X	(X) ¹	(X) ^{1,2,3}	-
Windows 2008 32 Bit SP2 and higher	X	X	X	(X) ^{3,2}	(X) ^{3,2}
Windows 2008 64 Bit SP2 and higher	X	X	X	X	X
Windows 2008 R2 64 Bit SP1 and higher	X	X	X	X	X
Windows 2012 Server	-	X ≥ M050	X	X	X
Windows 2012 R2 Server	-	X ≥ M050	X	X	X
Windows 2016 Server	-	-	-	X	X

Table 1-2: Client Operating System Support

For each project, the client requires a plus of 50MB of memory in addition to the common memory average of 50MB.

² GENIUS TOOLS for Creo is not supported.

1.3 Server Operating System Support

	Version 2012	Version 2013	Version 2016	Version 2017	Version 2018
Windows XP 32 Bit ³ SP2 and higher	(X)	(X)	(X)	-	-
Windows XP 64 Bit ³ SP2 and higher	(X)	(X)	(X)	-	-
Windows 7 32 Bit ³ SP1	X	X	X	X	-
Windows 7 64 Bit ³ SP1	X	X	X	X	-
Windows 8 ³	-	X >= M050	(X) ¹	-	-
Windows 8.1 ³	-	-	X	X	X
Windows 10 ³	-	-	X	X	X
Windows 2003 32 Bit SP2 and higher	X	(X) ¹	(X) ¹	(X) ¹	-
Windows 2003 64 Bit SP2 and higher	X	X	X	(X) ¹	-
Windows 2008 32 Bit SP2 and higher	X	X	X	X	X
Windows 2008 64 Bit SP2 and higher	X	X	X	X	X
Windows 2008 R2 64 Bit SP1 and higher	X	X	X	X	X
Windows 2012 Server	-	X >= M050	X	X	X
Windows 2012 R2 Server	-	X >= M050	X	X	X
Windows 2016 Server	-	-	-	X	X

Table 1-3 Server operation system support

³ INNEO is recommending the use of a server operating system and does not support the usage of workstation operating systems. Nevertheless, for testing purpose it is possible to use a workstation operating system like Windows 7, 8 or 10 with limitations.

1.4 Creo Support for GENIUS TOOLS for Creo

	Version 2016	Version 2017	Version 2018
Creo 1.0 Parametric, Direct, Simulate	-	-	-
Creo 2.0 64 Bit Parametric, Direct, Simulate, Layout	-	(X) ⁴	-
Creo 3.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	X	X
Creo 4.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	X	X
Creo 5.0 64 Bit Parametric, Direct, Simulate, Layout, Schematics, Options Modeler	-	-	X

Table 1-4: GENIUS TOOLS for Creo Support

⁴ Creo 2.0 is supported. Some GENIUS TOOLS for Creo modules require Creo 3.0 and cannot be used with Creo 2.0.

1.5 Browser Support

	Version 2012	Version 2013	Version 2016	Version 2017	Version 2018
Internet Explorer 6	-	-	-	-	-
Internet Explorer 7	X	X	-	-	-
Internet Explorer 8	X	X	X	-	-
Internet Explorer 9	X	X	X	-	-
Internet Explorer 10	-	X ≥ M050	X	X	X
Internet Explorer 11	-	X ≥ M070	X	X	X
Edge	-	-	-	-	-
Firefox	-	-	-	-	-
Google Chrome and other	-	-	-	-	-

Table 1-5: Browser Support

Note: The browser version support also depends on the approval of the manufacturer PTC for appropriated Pro/ENGINEER and Creo release.

Note: TOOLBOX support is guaranteed up to Creo 3.0. Creo 4.0 does not support the functions of the TOOLBOX. Instead, GENIUS TOOLS for Creo is available. However, certain functionalities are available from Creo 3.0.

1.6 Data Management Support

	Version 2012	Version 2013	Version 2016	Version 2017	Version 2018
Pro/INTRALINK 3.x	(X) ¹	(X) ¹	(X) ¹	(X) ¹	(X) ¹
Windchill 8.0	X	X	X	-	-
Windchill 9.0	X	X	X	-	-
Windchill 9.1	X	X	X	-	-
Windchill 10.0	X	X	X	X	X
Windchill 10.1	X	X	X	X	X
Windchill 10.2	-	X ≥ M061	X	X	X
Windchill 11	-	-	X	X	X
Windchill 11.1	-	-	-	X ≥ M040	X
Windchill ProductPoint 1.0	(X) ¹	(X) ¹	(X) ¹	-	-
Windchill ProductPoint 1.1	(X) ¹	(X) ¹	(X) ¹	-	-

Table 1-6: Data management support

2 First Installation

Before you start the installation, identify a Startup TOOLS Server in your network. This server must be accessible via a network connection from every Creo workstation. The subsequent installation directory will be shared and connected to the Creo workstations via a mapped network drive. Corresponding to the product requirement you must have a supported operating system as described in Table 1-3 Server operation system support.

2.1 Startup TOOLS Server - Installation

For starting the installation call the setup routine

`setup_SUT2018-xxxx_software.exe.`

Please verify that the Startup TOOLS Setups you are using are signed by INNEO Solutions GmbH. On start Windows will display a security message and asks to trust the publisher.

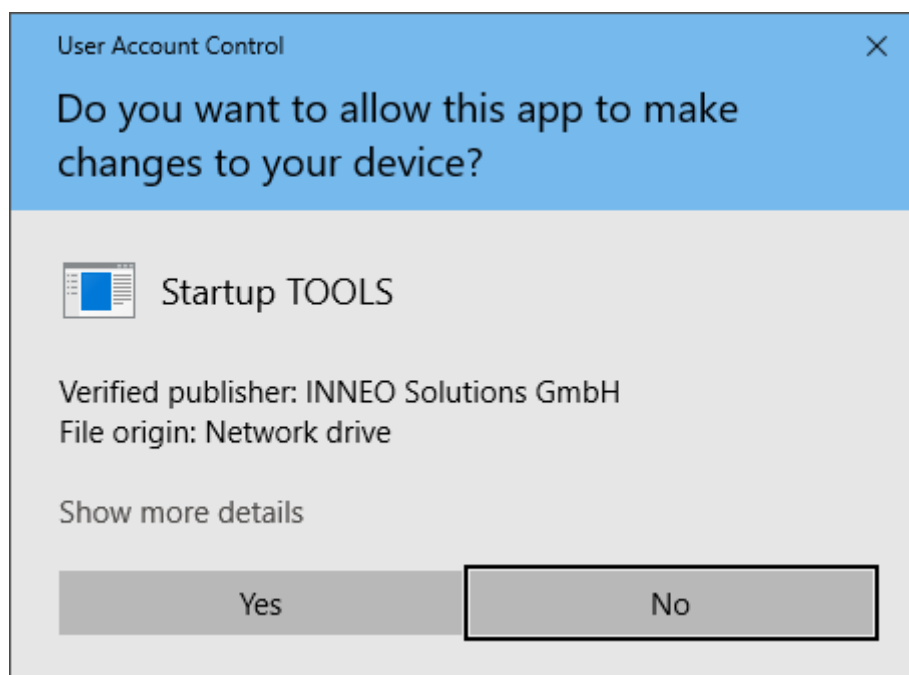


Figure 1: Security message in Windows 10

Note: You need administrator rights for the installation!

Please select the setup language and follow the installation routine after that.

Select a suitable installation location. The required space will be calculated and displayed below the destination folder.

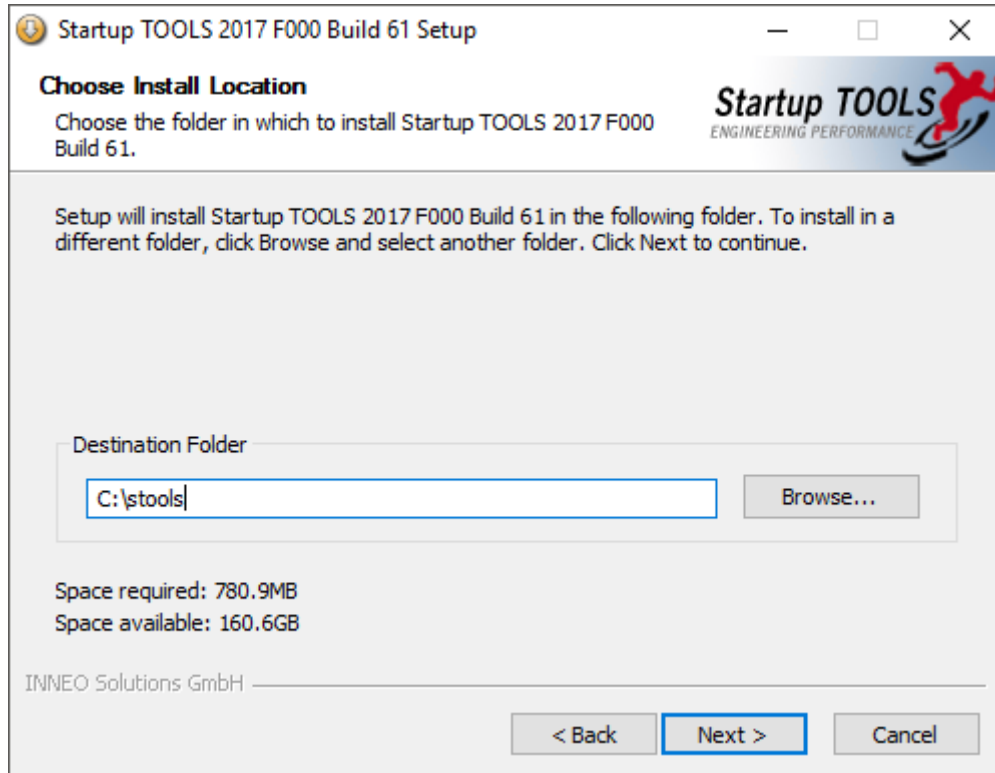


Figure 2: Installation directory

The installation directory will be shared later with the name „stools“.

Please note: Writing permissions are required for this directory. We recommend to **not** install Startup TOOLS under C:\Program Files\ or C:\Program Files (x86)\.

Note: The data package has to be installed into the same location. The required disk space for the data packet is not part of the calculation of the required space. The amount of data per packet is at about 250 MB.

Select the components to install on the next page and confirm your selection.

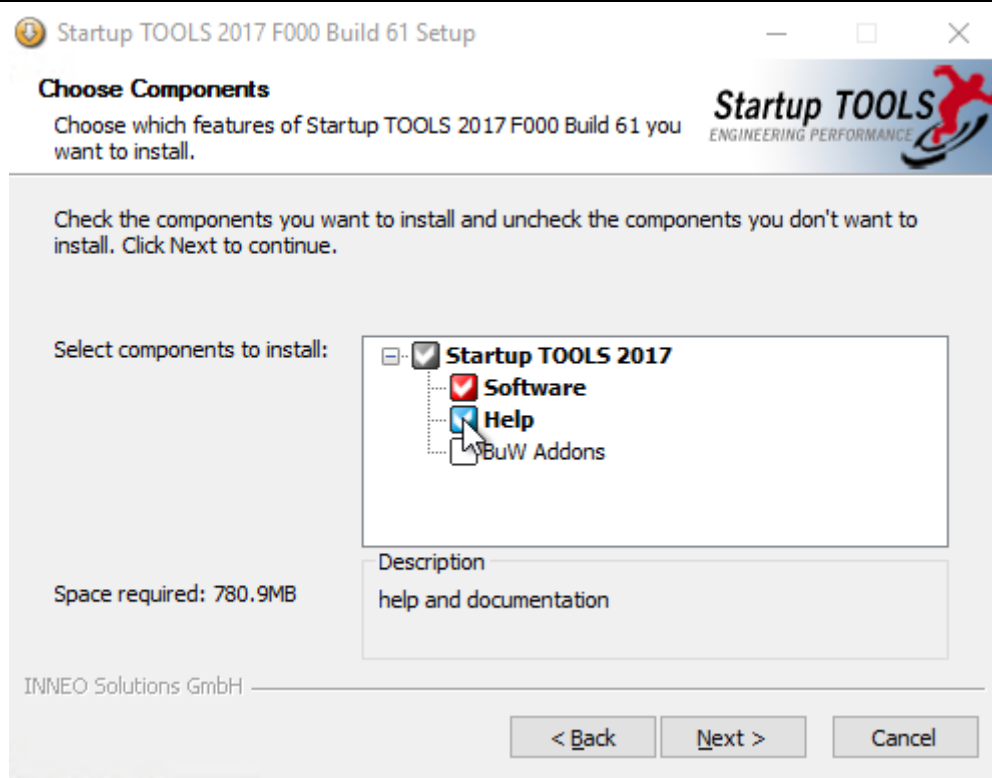
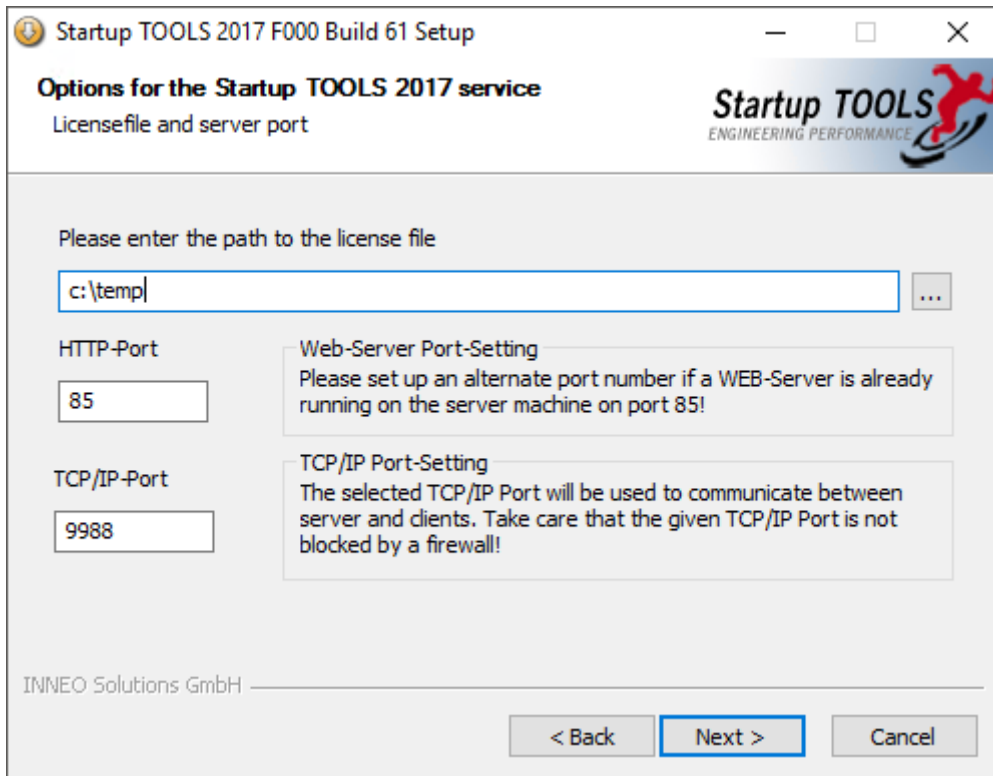


Figure 3: Software component selection

Note: If you place the mouse over a component an additional description will be displayed in the description box with more detailed information.



The image shows a Windows-style dialog box titled "Startup TOOLS 2017 F000 Build 61 Setup". The subtitle is "Options for the Startup TOOLS 2017 service" with the subtext "Licensefile and server port". The Startup TOOLS logo is in the top right corner. The main area contains a text prompt "Please enter the path to the license file" above a text input field containing "c:\temp|". To the right of the input field is a browse button "...". Below this are two port settings: "HTTP-Port" with a text box containing "85", and "TCP/IP-Port" with a text box containing "9988". To the right of these are two informational boxes: "Web-Server Port-Setting" (Please set up an alternate port number if a WEB-Server is already running on the server machine on port 85!) and "TCP/IP Port-Setting" (The selected TCP/IP Port will be used to communicate between server and clients. Take care that the given TCP/IP Port is not blocked by a firewall!). At the bottom left is the text "INNEO Solutions GmbH". At the bottom right are three buttons: "< Back", "Next >" (highlighted with a blue border), and "Cancel".

Figure 4: License und port information

On the next dialog select the license file. You should have received a license file with the extension *.dat from your supplier. Save the license file on the server and select it in the dialog (the license file has the name prefix *sutserver_*).

Note: If you use only client licenses, please enter the client license file. If you have both server and client licenses, please use the server license.

You can change the ports. The setup routine will check if a valid or free port was specified.

Confirm your selection.

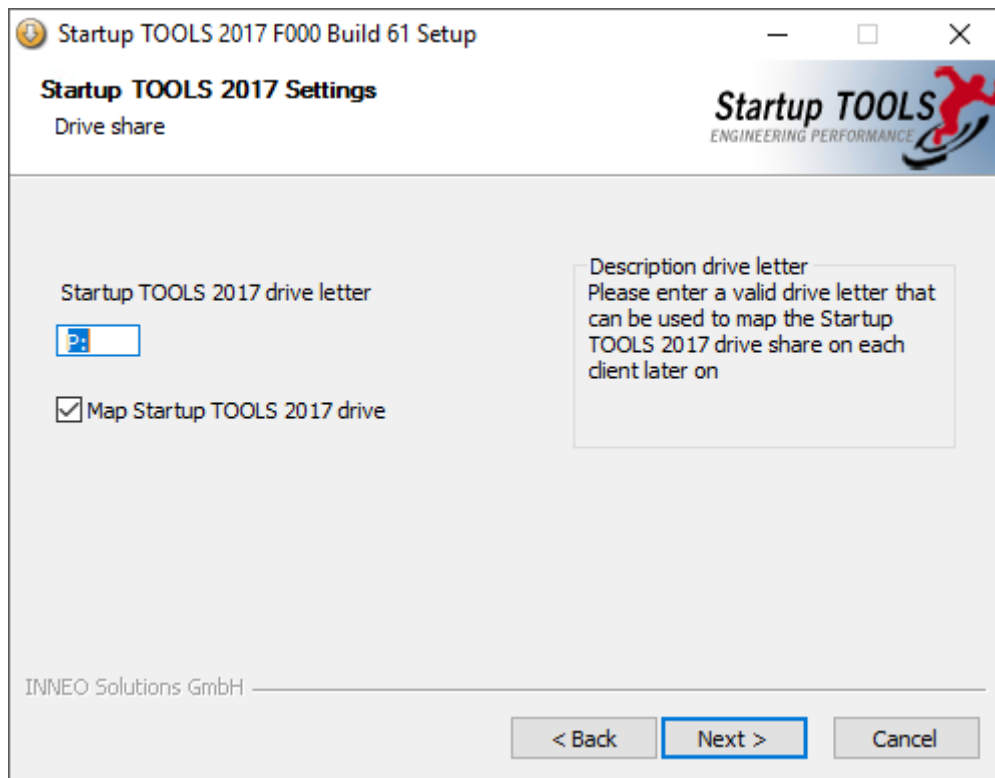


Figure 5: Startup TOOLS network drive

In the next dialog the drive letter for the share "stools" which will be connected to Creo clients is defined. The drive letter can be changed later in the configurator.

Click on *Next* to continue.

For the use of Pro/INTRALINK 3.x, you can now select a Pro/INTRALINK startup command. Mark the checkbox to insert the startup command.

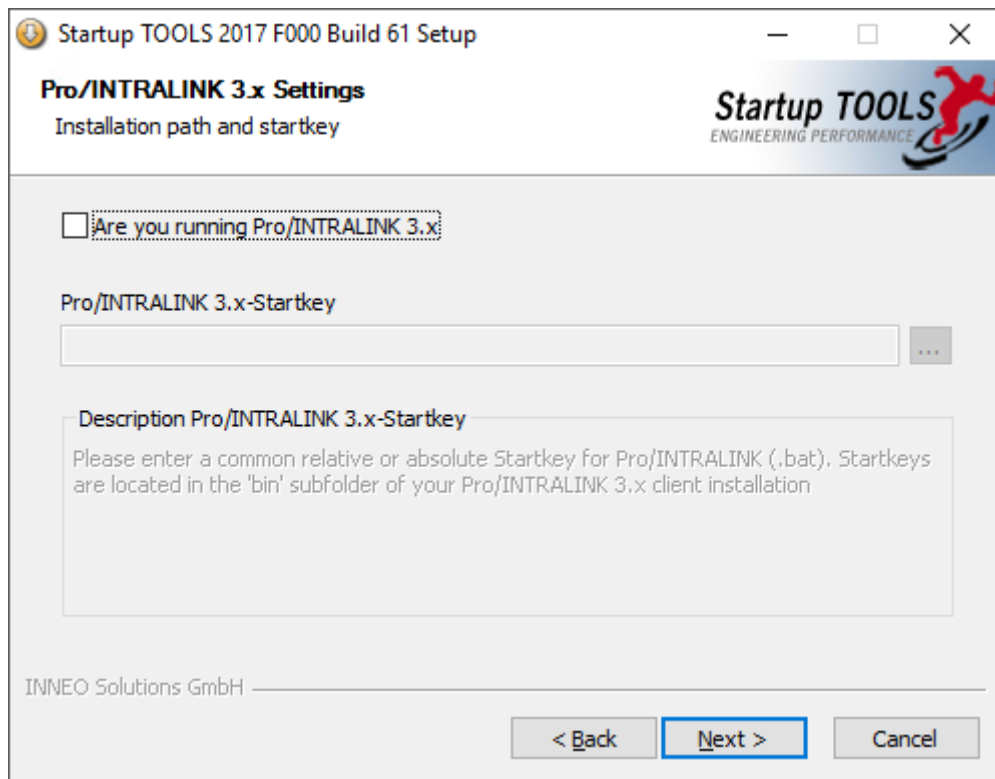


Figure 6: INTRALINK installation directory and startkey

Click on *Next* to continue.

Note: Do not mark the checkbox, if you are using Pro/INTRALINK 8 or later.

Follow the instructions of the setup.

The installation process begins and copies the files and sets up the working environment.

Click on *Finish* to continue.

Note: The creation of the database is a necessary process, so your Startup TOOLS installation can be used. If you have unchecked the checkbox and proceed with *Finish* you can manually run the creation process. Just open the Configurator as described later on.

The Data setup is started automatically if both setups are located in the same directory. Otherwise start it manually.

Please follow the instructions of the installation routine.

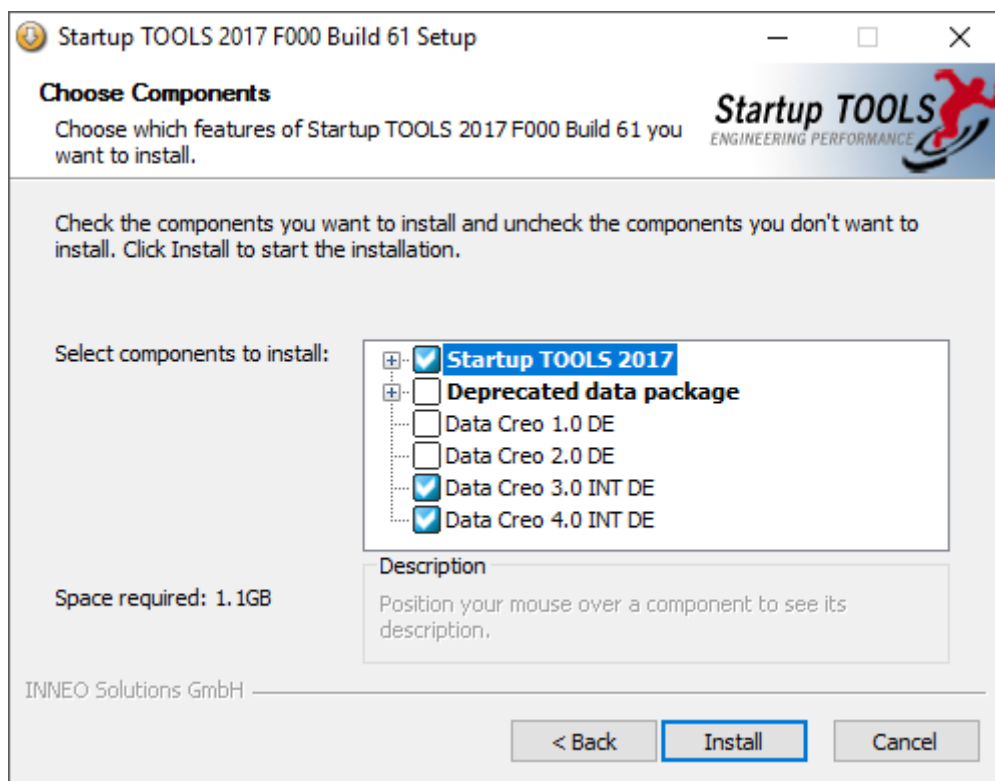


Figure 7: Select data package components

At this point, please select a suitable data package for your Creo version. You can install additional packages later.

Click *Install* to continue.

The server installation is now complete.

The Startup TOOLS configurator can be used to create projects. Further settings can be modified.

(See the administration manual <tools>\help\english\sut_conf_en.pdf).

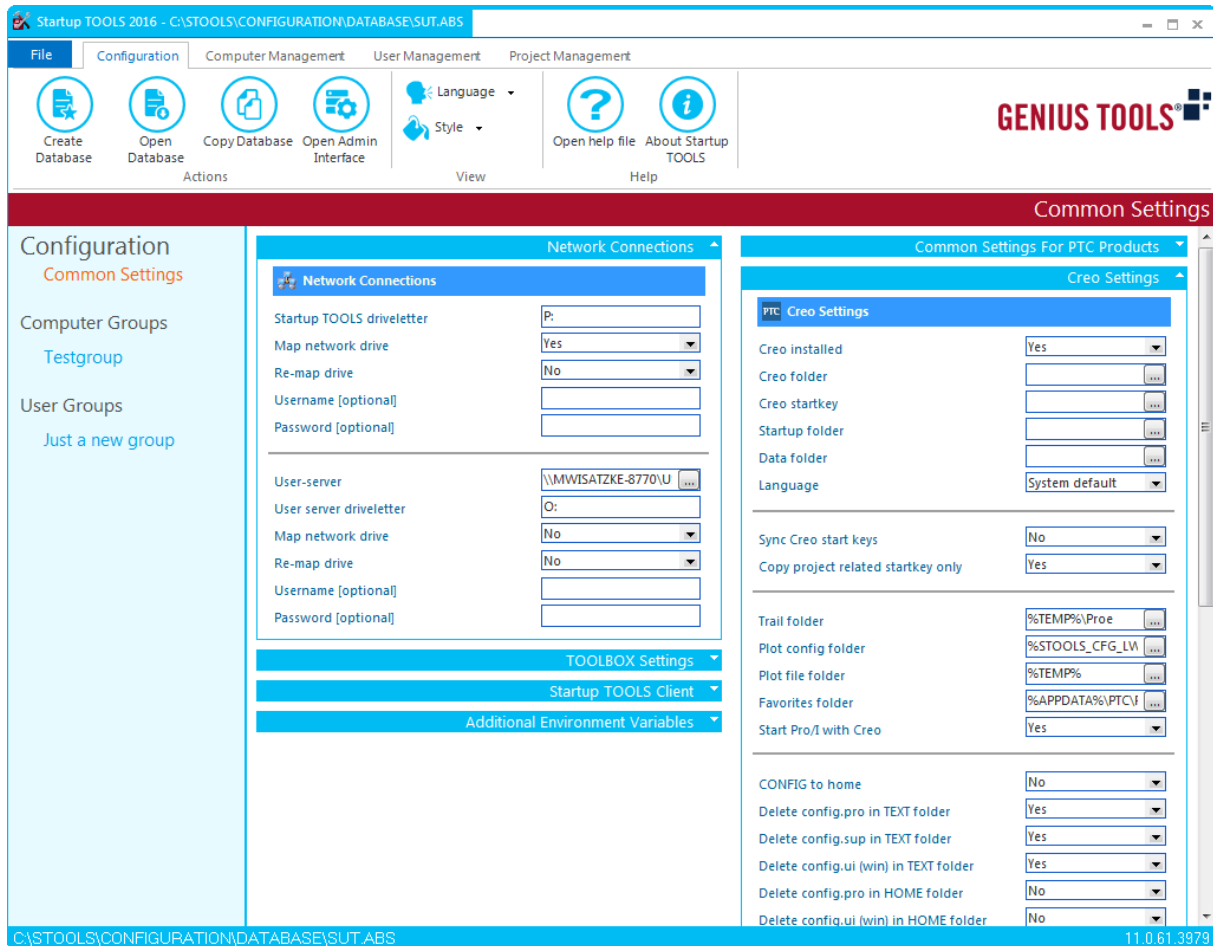


Figure 8: The configurator

Note: You can start the Configurator at any time via the desktop shortcut on the server, the start menu entry or a direct call of

<tools>\software\i486_nt\sut_configurator.exe.

FIRST INSTALLATION

The installation provides one project per installed Startup TOOLS data package.

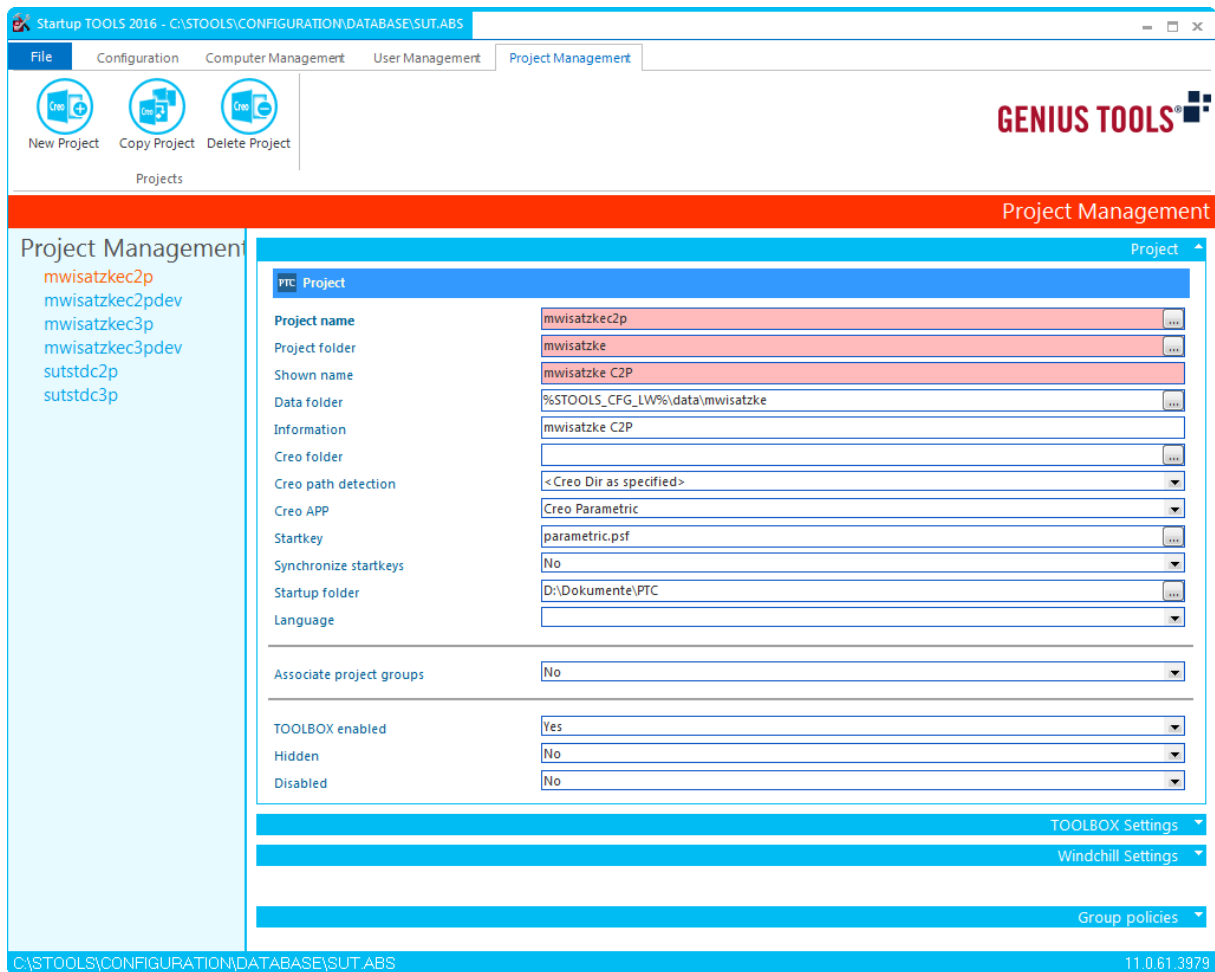


Figure 9: Predefined projects

Please validate the startkeys of the predefined projects if you want to use them directly. Click on the project in the project table and modify the value for the command if necessary.

Project Management

Project Management
 mwisatzkec2p
 mwisatzkec2pdev
 mwisatzkec3p
 mwisatzkec3pdev
 sutstdc2p
 sutstdc3p

Project ↑

PTC Project	
Project name	<input type="text" value="mwisatzkeC3pdev"/>
Project folder	<input type="text" value="mwisatzke_dev"/>
Shown name	<input type="text" value="mwisatzke C3P DEV"/>
Data folder	<input type="text" value="%STOOLS_CFG_LW%\data\mwisatzke"/>
Information	<input type="text" value="mwisatzke C3P DEV"/>
Creo folder	<input type="text"/>
Creo path detection	<input type="text" value="<Latest Creo 3.0 datecode from local registry>"/>
Creo APP	<input type="text" value="Creo Parametric"/>
Startkey	<input type="text" value="parametric.psf"/>
Synchronize startkeys	<input type="text" value="No"/>
Startup folder	<input type="text" value="D:\Dokumente\PTC"/>
Language	<input type="text"/>
Associate project groups <input type="text" value="No"/>	
TOOLBOX enabled <input type="text" value="Yes"/>	
Hidden	<input type="text" value="No"/>
Disabled	<input type="text" value="No"/>

Figure 10: Modify the startkey

Click on *Accept* to continue.

Click on the *Administration Interface* button in the button bar of the configurator to validate the license file used.

Enter *admin* as username and leave the password field blank in the login mask. See the Configurator help for information on changing the password.

Windows Security
×

Microsoft Edge

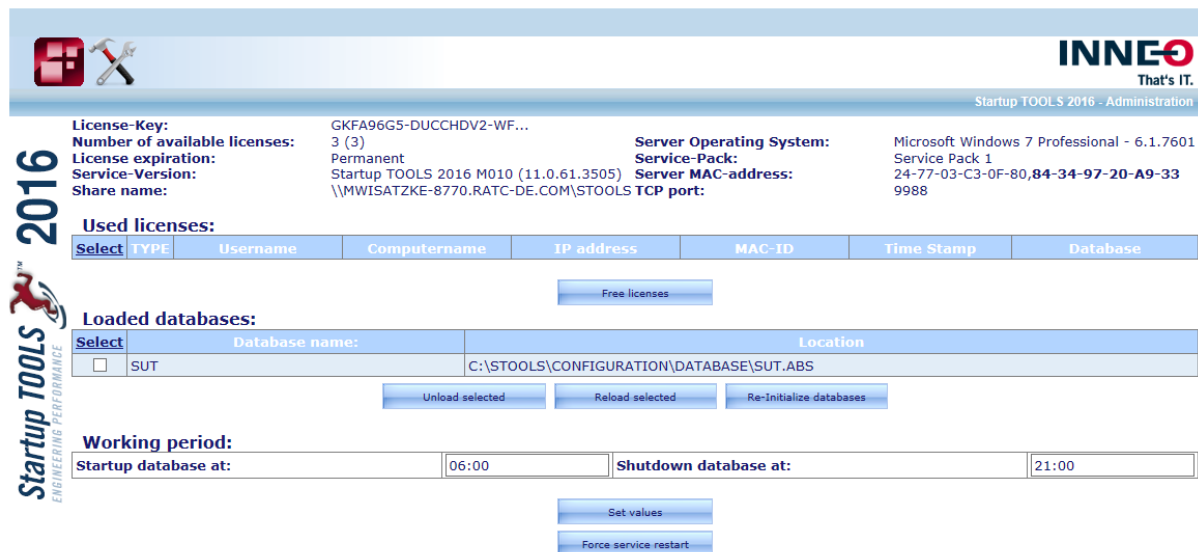
The server localhost is asking for your user name and password. The server reports that it is from Startup TOOLS 2017 Administration.

Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.

OK
Cancel

Figure 11: Login mask of the license server

The administration interface shows locked licenses and releases them on demand. Additional information on using the administration interface can be found in the configurator help file.



Startup TOOLS 2016 - Administration

License-Key: GKFA96G5-DUCCHDV2-WF...
Number of available licenses: 3 (3)
License expiration: Permanent
Service-Version: Startup TOOLS 2016 M010 (11.0.61.3505)
Share name: \\MWISATZKE-8770.RATC-DE.COM\STOOLS

Server Operating System: Microsoft Windows 7 Professional - 6.1.7601
Service-Pack: Service Pack 1
Server MAC-address: 24-77-03-C3-0F-80,84-34-97-20-A9-33
TCP port: 9988

Used licenses:

Select	TYPE	Username	Computername	IP address	MAC-ID	Time Stamp	Database
Free licenses							

Loaded databases:

Select	Database name:	Location
<input type="checkbox"/>	SUT	C:\STOOLS\CONFIGURATION\DATABASE\SUT.ABS

Working period:

Startup database at:	06:00	Shutdown database at:	21:00
-----------------------------	-------	------------------------------	-------

Figure 12: Administration interface

Validate in the administrator interface if your Startup TOOLS server license is recognized. You can find your number of licenses under *Number of available licenses*

Note: In case you are using client licenses only, the number of available licenses will be 0.

Close the browser and configurator to continue. The installation of Startup TOOLS 2018 server is done now.

If you have checked "Create desktop Icons" in the last dialog of the installation, you will notice the following icons on your desktop:



Figure 13: Desktop Icons

You are able to start the application with the link "Startup TOOLS 2018 Client".

The link "Startup TOOLS 2018 Configurator" should only be accessible to people who have administrative tasks of Startup TOOLS.

After the installation of the Startup TOOLS server has finished, you are able to access the Documentation of Startup TOOLS.

You can find more information in the document <stoolsinstall>\help\usascii\sut_conf_en.pdf.

2.2 Startup TOOLS Client - Installation

After the installation of Startup TOOLS server, a link is created in the directory

`<stoolsinstalldir>\software\install\Links\`

to start the Startup TOOLS Applications.

For a client workstation it is sufficient to copy the link

`<stoolsinstalldir>\software\install\Links\Startup TOOLS Client.lnk`

to the desktop.

Please ensure that the UNC path information (and not absolute entries) is used in the preferences of the links

`(\\Startup TOOLS ServerNAME\stools\software\...)`

3 Update of an Existing Startup TOOLS Installation

According to the previous version the update process varies a bit. Therefore, the update installation descriptions are listed for several Startup TOOLS version.

Update installations of versions prior to 2007 are not automated. We recommend that a technical consultant of INNEO helps you doing this job.

Please note: The TOOLBOX of Startup TOOLS 2018 is not usable with Creo 4.0 projects. As a replacement the GENIUS TOOLS for Creo can be used. Keep this in mind before performing an update!

3.1 Update installation from 2007 0620

Note: Please make sure to backup all data in folders you have made changes to before you start the update process.

Start the software setup by calling:

`setup_SUT2018-xxxx_software.exe.`



Figure 14: Update Information

Confirm the dialog to start the update installation of Startup TOOLS 2018.

The old software installation will be uninstalled in the background. This can take several minutes.

Then, follow the instructions in the chapter "First installation" and install software and data package. The displayed target directory will be the folder of the current Startup TOOLS installation. Please do not change!

If you want to keep your previous database (default case) you do not have to change any information regarding license, Creo and INTRALINK- Start settings.

Make sure if you have changed ports during installation of Startup TOOLS 0620 that these changes are handled properly!

An additional window is displayed at the end, when the configurator is launched.

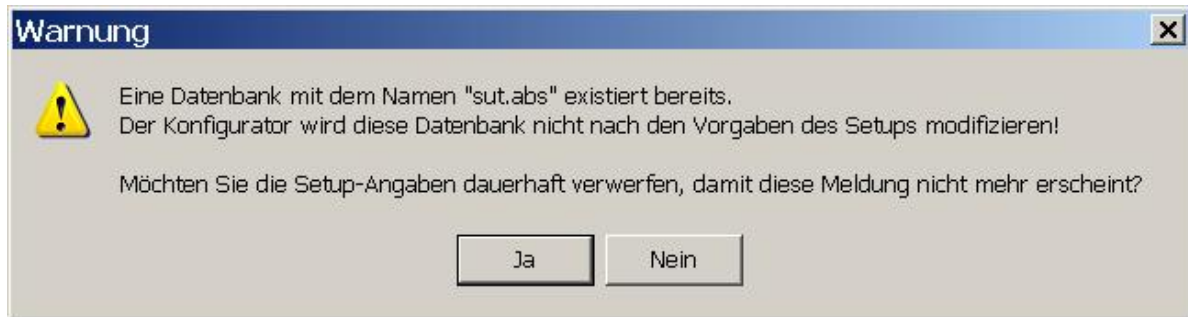


Figure 15: Keep older database settings

Discard all settings (Button "Yes") the new setup has changed to go ahead with your old database.

3.2 Update of pre Startup TOOLS 2007 Releases

In order to use the new functionality of Startup TOOLS 2018 please run a full first installation of the Startup TOOLS Server.

You have to copy all data of the old Startup TOOLS version in a folder under <stools>\data. The content of the old project folder (under *\bin and *\configpro) can be copied together in a folder under <stools>\configuration\projects.

You should enter all configuration settings of the old versions (*.cfg; *.def) in the Configurator of Startup TOOLS 2018. The graphical user interface helps you to enter these quickly and efficiently.

If you want to get familiar with the usage of the configurator you should consult the manual Administration (<stoolsinstall>\help\usascii\sut_conf_en.pdf). Basically all configurationally possibilities of the previous versions of the Startup TOOLS are available.

You can use the Startup TOOLS 2018 parallel to other Startup TOOLS Versions (Please take care of the drive letter!).

Please note: In most cases an update of Creo tends to update Startup TOOLS as well. Take care to update the already existing Creo environments to fulfill the latest requirements. Sometimes additional information has to be added to the projects or some settings have to be modified.

If you fell unconfident with the take-over process we recommend contacting a consultant of your vendor.

3.3 Update Installation from Startup TOOLS 2007 and Date Versions

Start the setup by calling the file

`setup_SUT2018-xxxx_software.exe`



Figure 16 Update information (Content may differ)

Select „Yes“, to start the update installation of Startup TOOLS 2018.

Your old software will be uninstalled in background. This can take several minutes. The installation wizard, containing the old requirements is started automatically. If the data package is installed, the target directory selection is skipped.

Note: It is not necessary to have the same version of data and software package. You can apply a newer software setup and keep the older version of the data package.

Note: Only one version of Startup TOOLS can be installed on a computer at the same time.

Note: Take a full backup of your Startup TOOLS environment and then run software and data setup.

Note: License files are not compatible with older builds. The license of the current Startup TOOLS version cannot be used with previous versions.

4 Installation instructions and permissions

To use the Startup TOOLS there is nothing to consider while setting up the PTC products. Please fulfill the prerequisites and guidelines of the manufacture. Information can be found on the homepage of PTC or in the *readmefirst* file.

4.1 Write Permission for PTC Product and System Folders

For successful use, the Startup TOOLS require write permission to the servers and to client workstations hard drives.

4.1.1 Write Permission for Startup TOOLS Server Service

The user account of the Startup TOOLS server service must hold write / delete permission for the Startup TOOLS directories. Generally, the *System* account is used to start the Startup TOOLS service. It normally always has write / delete permission for all folders on the local computer. Additionally, write permissions are required for the TEMP and HOME directories.

Note: Concerning this also refer to the notes in the configurator guide.

4.1.2 Write Permission for the Startup TOOLS Client

The user of the Startup TOOLS client needs write / delete permissions in the following Windows system folders:

- Temp directory of the respective user
- Home directory of the respective user

Additionally, users should have write, change, and delete permissions for the following Creo directories:

- <Creo>\<Creo APP>\bin
- <Creo>\Common Files\Text

Note: If writing permission is not granted in Creo, one of the following preconditions must be met.

1. The Startup TOOLS client must be started once for each Creo installation on each workstation with the administrator account, for the sut.psf file to be created in the BIN directory of the respective Creo installation. Thereafter it must be possible for all users to read this file! This step must be repeated after each build update of Creo! Additionally, ensure that the Config files of Creo are written to the HOME directory and not - as is standard - to the TEXT directory.

2. A valid administrator account must be specified in the configurator under *System / Creo settings / Username*, allowing to copy the files to the respective location using this user account.

Note: The full scope of functions is guaranteed when write/delete rights are specified for all directories mentioned or when a corresponding administrator account with correct password is specified in the configurator!

To be able to use the Workspace Backup or to save user-related config.pro and config.ui (win) files on the server, a separate folder *User data* must be created below the Startup TOOLS installation folder. Users should have write / delete permission for this folder.

4.1.3 Write Permission for the Name Generator

To be able to use the number generator, the user will need writing permission to the directory

`<Startup TOOLS>\configuration\gt_resource_folder\name_generator.`

The administrator account is not considered when determining this access right.

4.2 Access to the registry

Both the Startup TOOLS server and the client read and write data from/to the registry. Depending on the required configuration, the account of the server service needs to be selected such that data can be saved to and read from the main key HKLM.

The user needs write/read/delete permissions for the user key HKCU.

The following registry entries are created, supplemented, or changed using the client:

HKCU\SOFTWARE\STARTUP-TOOLS\Client

To open Creo data via the Startup TOOLS, the following keys need to be edited (only applicable for local profiles):

```
HKCU\Software\Classes\phaFile\DefaultIcon\ (Default)
HKCU\Software\Classes\phaFile\shell\Open\command\ (Default)
HKCU\Software\Classes\asmFile\DefaultIcon\ (Default)
HKCU\Software\Classes\asmFile\shell\Open\command\ (Default)
HKCU\Software\Classes\dgmFile\DefaultIcon\ (Default)
HKCU\Software\Classes\dgmFile\shell\Open\command\ (Default)
HKCU\Software\Classes\drwFile\DefaultIcon\ (Default)
HKCU\Software\Classes\drwFile\shell\Open\command\ (Default)
HKCU\Software\Classes\frmFile\DefaultIcon\ (Default)
HKCU\Software\Classes\frmFile\shell\Open\command\ (Default)
HKCU\Software\Classes\layFile\DefaultIcon\ (Default)
HKCU\Software\Classes\layFile\shell\Open\command\ (Default)
HKCU\Software\Classes\mfgFile\DefaultIcon\ (Default)
HKCU\Software\Classes\mfgFile\shell\Open\command\ (Default)
HKCU\Software\Classes\mrkFile\DefaultIcon\ (Default)
HKCU\Software\Classes\mrkFile\shell\Open\command\ (Default)
HKCU\Software\Classes\prtFile\DefaultIcon\ (Default)
HKCU\Software\Classes\prtFile\shell\Open\command\ (Default)
HKCU\Software\Classes\secFile\DefaultIcon\ (Default)
HKCU\Software\Classes\secFile\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile1\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile1\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile2\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile2\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile3\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile3\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile4\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile4\shell\Open\command\ (Default)
```

INSTALLATION INSTRUCTIONS AND PERMISSIONS

```
HKCU\Software\Classes\ProeFile5\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile5\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile6\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile6\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile7\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile7\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile8\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile8\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile9\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile9\shell\Open\command\ (Default)
HKCU\Software\Classes\ProeFile10\DefaultIcon\ (Default)
HKCU\Software\Classes\ProeFile10\shell\Open\command\ (Default)
```

Additionally, changes need to be made in the registry for the safety settings of Internet Explorer:

```
HKCU\Software\Microsoft\Windows\CurrentVersion\Internet
Settings\Zones
HKCU\Software\Microsoft\Windows\CurrentVersion\Internet
Settings\ZoneMap
```

Note: Upon start, Creo likewise enters some data in the registry. The respective keys are currently not publicly known, so that it should at least be ensured that registration by means of regsvr32 DLLs is possible. Generally this is possible to main users under Windows. If users are not allowed to register DLLs, Creo setup must be performed with login as administrator and Creo must be started once with administrator rights. Thereafter, the registered DLLs can be used by all users.

Working with different Creo releases is possible only if the user is permitted to register DLLs! Generally this is possible for main users under Windows.

Note: Access to other keys is not excluded!

5 Update BOM Find Numbers (former PosNum)

The setup routine of the Startup TOOLS update updates all BOM Find Numbers system files that have not been customized. The routine recognizes this in a modified update, which differs from the date of installation.

However, it may be necessary to also customized configuration files need to be revised syntax.

In this case, the affected files in the subdirectory

`<StartupTOOLS>\software\toolbox\posNum\update_files\`

are included.

When you first start the application existing configuration files are then automatically converted into the format of the new file (in the `\update_files` directory).

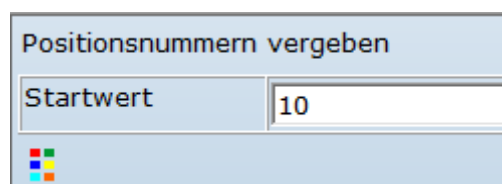
The settings previously used are automatically transferred in this way.

A copy of the current configuration files is located after finalization in

`<StartupTOOLS>\software\toolbox\posNum\posNum_Old\`

directory.

If the automatic revision fails, e.g. because the appropriate write permissions are missing on the application directory, BOM Find Numbers starts in update mode. All function icons are hidden, BOM Find Numbers shows only an Update Info button (see figure below).



When clicking this icon you get information about missing write access on the directory level.

6 GENIUS TOOLS Assembly Report: Replacement for BOM Find Numbers

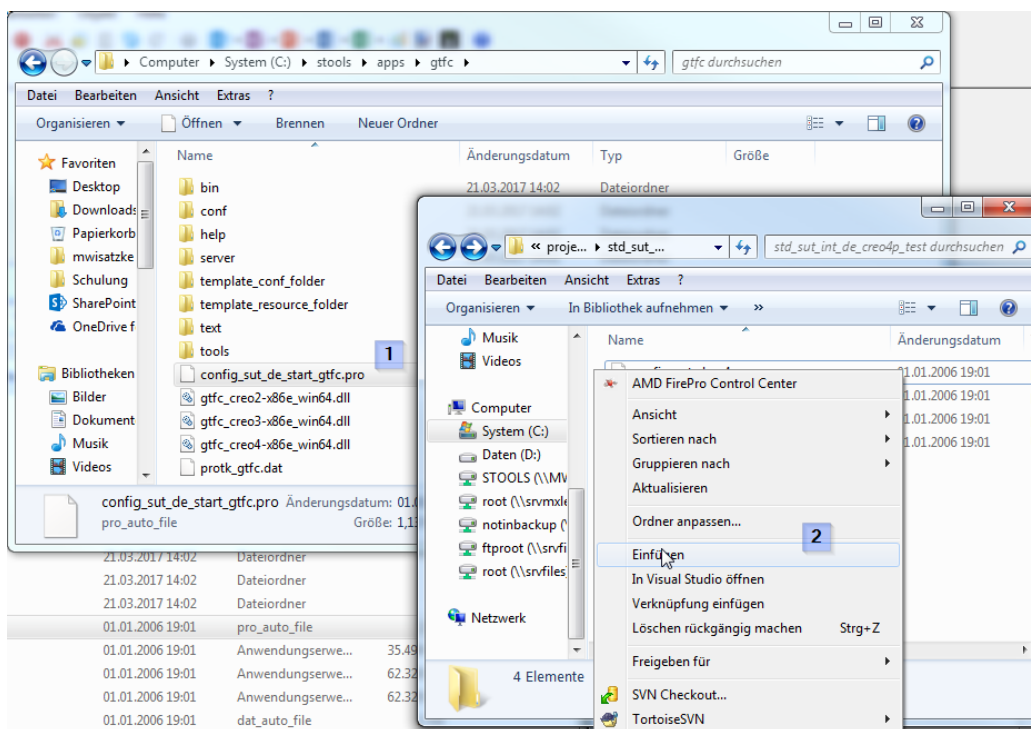
Since TOOLBOX is no longer provided by Creo 4.0, the toolkit application GENIUS TOOLS Assembly Report was developed as part of GENIUS TOOLS for Creo. Assembly Report is available from Creo 3.0.

It is not possible to update or import old BOM Find Numbers data. Assembly report must be reconfigured.

7 Using GENIUS TOOLS for Creo in old Startup TOOLS Projects

To use GENIUS TOOLS for Creo in existing Startup TOOLS projects, a file from the GENIUS TOOLS for Creo directory must be copied to the respective project directory:

1. Navigate to the directory <stools>\apps\gtfc and copy the file *config_sut_de_start_gtfc.pro*.
2. Now open the project directory under <stools>\configuration\projects
3. Copy the file *config_sut_de_start_gtfc.pro* into the project directory



Copy the file (1) and insert it in the project directory (2)

After starting the project in the Startup TOOLS Client the GENIUS TOOLS for Creo are available in your project.

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