

**GENIUS TOOLS**<sup>®</sup> 

# GENIUS TOOLS Starter

Release 7.0.1.0

## Release information

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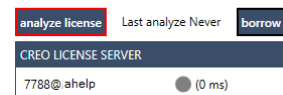
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# 1 Important information

## GENIUS TOOLS Starter App: Query on the availability of licenses and license servers has changed (new feature in version 7.0.1.0)

The license analysis no longer takes place automatically when GENIUS TOOLS Starter App is opened or updated. Only after clicking the *Analyze License* button in the Licenses tab will up-to-date information on the accessibility of Creo license servers be displayed together with information on all available licenses and extensions for the selected project. (See Free column). Also, the time passed since the last analysis is shown.

Info Licenses Config



The Analyze License function can be disabled by the administrator. Read more in [New features in version 7.0.1.0](#).

## Different functionality depending on license type

Starting with version 6.0.1, perpetual licenses and subscription licenses come with different product functionality. The following functions will only be available with a subscription license.

The following functions are available with a subscription license for GENIUS TOOLS Starter.

Release	Function / module	Description
6.0.1.0	Dynamic access to Windows user management with LDAP/Active Directory (lightweight directory access protocol)	Creates access to Windows user management and enables live queries so that user assignment is always up-to-date. Users thus do not have to be created and maintained manually. ⇒ Less maintenance work
6.0.1.0	Configuring units	Adds a group element ("unit") that can easily reflect complex configurations such as for company sites and units. ⇒ Easier configuration for companies with many sites and/ or units

		⇒ Allows for a reduction of projects
6.0.1.0	Access to directory "users"	<p>Adds a group element ("users") that can easily reflect complex configurations for many users.</p> <p>⇒ Less maintenance work</p>
7.0.0.0	Selecting Creo startkey when starting a project	<p>Provides a project with a choice from several Creo startkeys (start command that opens Creo with a defined license package). Users can start a project with a default startkey or select another one when opening a project in GENIUS TOOLS Starter App.</p> <p>⇒ Allows the reduction of projects</p>
7.0.0.0	Apps projects	<p>Creates projects that run on any other program. Assigning a project directory and batch files is possible.</p> <p>⇒ GENIUS TOOLS Starter App can be made the central access point for users.</p>
7.0.1.0	Operating satellites in GENIUS TOOLS Starter Service	<p>Enables the connection of satellite servers to a main server and their automatic synchronization.</p> <p>⇒ Faster connection of user computers to a synchronized satellite server</p> <p>⇒ Reducing queries from network to main server</p>

**Warning:** If you are using mixed licenses (perpetual and subscription) and configure functionality that is limited to subscription licenses, the projects in GENIUS TOOLS Starter App will no longer start if there is no subscription license available.

## Environment variables for use in mapkeys (new feature in version 6.0.2.0)

Starting with version 6.0.2.0 variables in configuration files are resolved. This means mapkeys that use environment variables with path specifications do not function anymore.

We therefore introduced new variants of environment variables to which escape characters are added. This prevents the variables from being erroneously resolved in mapkeys and so their use can be continued in mapkeys and elsewhere. The new variables have the suffix `_ESCAPED`:

- GTS\_DATA\_ESCAPED
- GTS\_ROOT\_DIR\_ESCAPED
- GTS\_SERVER\_DIR\_ESCAPED
- GTS\_SERVERONLY\_DIR\_ESCAPED
- GTS\_PLOT\_CONFIG\_DIR\_ESCAPED
- GTS\_TRAIL\_DIR\_ESCAPED
- GTS\_USER\_CONFIG\_DIR\_ESCAPED
- GTS\_UNIT\_DIR\_ESCAPED

## Changes to the configuration concept starting with version 6.0.1.0

In Version 6.0.1.0 the way configuration files determine project settings has changed.

### Configuration changes for all license types

All files that were previously used from the `..\configuration\projects` directory now have to be placed in the `..\configuration\standard` directory. This affects batch files (*start/stop\*.bat*), Creo configuration files (*config\_\*.pro/sup; \*.ui*), and GENIUS TOOLS for Creo configuration files (*\*.cfg*).

All files under `..\configuration\projects` will be copied to `..\configuration\standard` when you update from version 6.0.0 or migrate from a 20xx version. The entry in the *gt\_main.cfg* under `..\apps\gtfc\conf` will be set to *gt\_conf\_unit=%GTS\_ROOT\_DIR%\configuration\standard*.

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**Please note:** Remember to check the *gt\_main.cfg* after the update if you are not using a default installation.

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**Warning:** Check your batch files for references to the directory `..\configuration\projects` and change them to `..\configuration\standard`.

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The directory structure of an operating environment will contain the following new directories.

Directory	Comment
<code>..\configuration\standard</code>	Purpose and content match the previous <code>..\configuration\projects</code> directory.
<code>..\configuration\units</code>	Can contain a subdirectory for each unit that houses additional batch and configuration files.

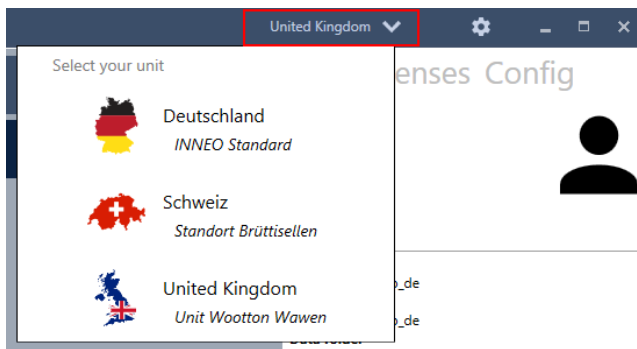
..\configuration\users

Can contain a subdirectory for each user (the directory name is the Windows user name) that houses additional batch and configuration files.

### Configuration using units for subscription licenses

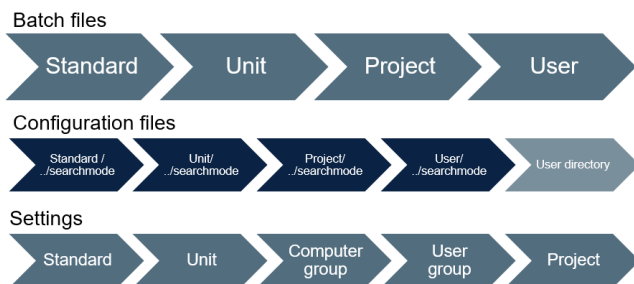
If you are using a subscription license, you can configure two additional layers for batch files and Creo configuration files: Units and Users. In larger installations, this makes it easier to configure different settings for different locations or business units.

A unit can be used to represent different concepts such as geographical or team assignment. If a user has access to multiple units, they can select their unit in the GENIUS TOOLS Starter App.



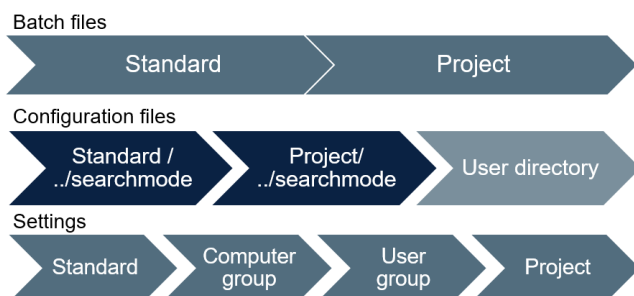
*Unit selection*

The following figure shows a schematic representation of the new configuration concept.



*Configuration concept from 6.0.1*

For reference, this is a schematic representation of the previous concept.



*Configuration concept 6.0.0*

## 2 New features in version 7.0.1.0

### GENIUS TOOLS Starter Service: Working with satellites


With GENIUS TOOLS Starter 7.0.1.0 the data synchronization of GENIUS TOOLS Starter Service can be operated with satellites. The status of one or more working environments of a central main server is mirrored on a satellite.

Locations that have a slow connection to the main server can access a more accessible satellite instead. This significantly reduces the time needed for data synchronization.

GENIUS TOOLS Starter App automatically determines which satellite or main server responds fastest based on the ping runtime. This is then used for synchronization.

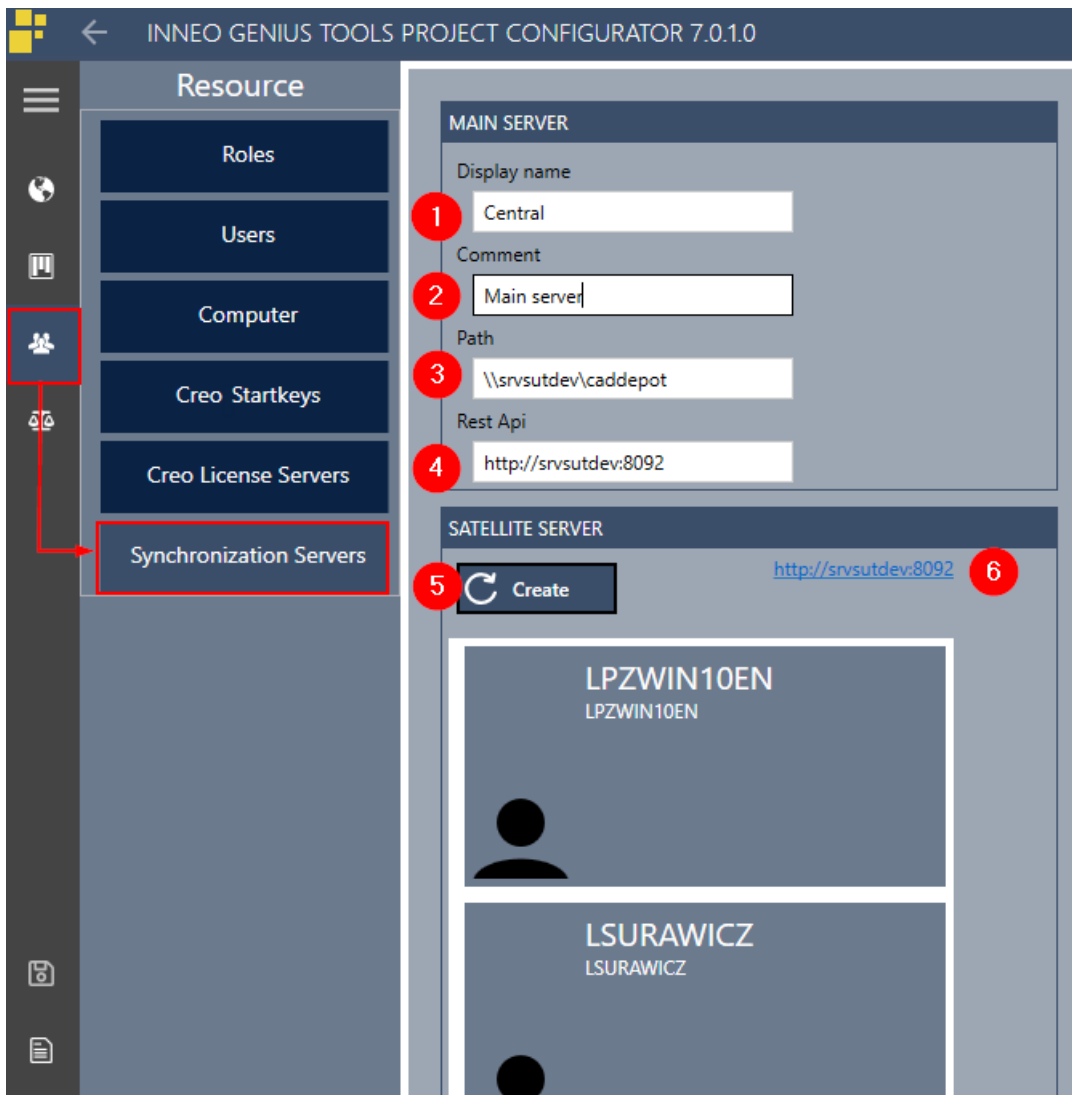
Read the document *GENIUS TOOLS Starter Installation.pdf* > chapter GENIUS TOOLS Starter Service for information on how to set up satellites.

### GENIUS TOOLS Project Configurator: New resource synchronization servers

In the *Resources* page  you can add synchronization servers that have been installed by using GENIUS TOOL Starter Service. (See above paragraph.)


Fields 1-3 (Display, Comment, Path) show the information entered in the GENIUS TOOLS Environment Administrator. The Web URL (4) is taken from the configuration file you created for GENIUS TOOLS Starter Service. The action *Create* (5) connects GENIUS TOOLS Starter to GENIUS TOOLS Starter Service and displays all current satellites.

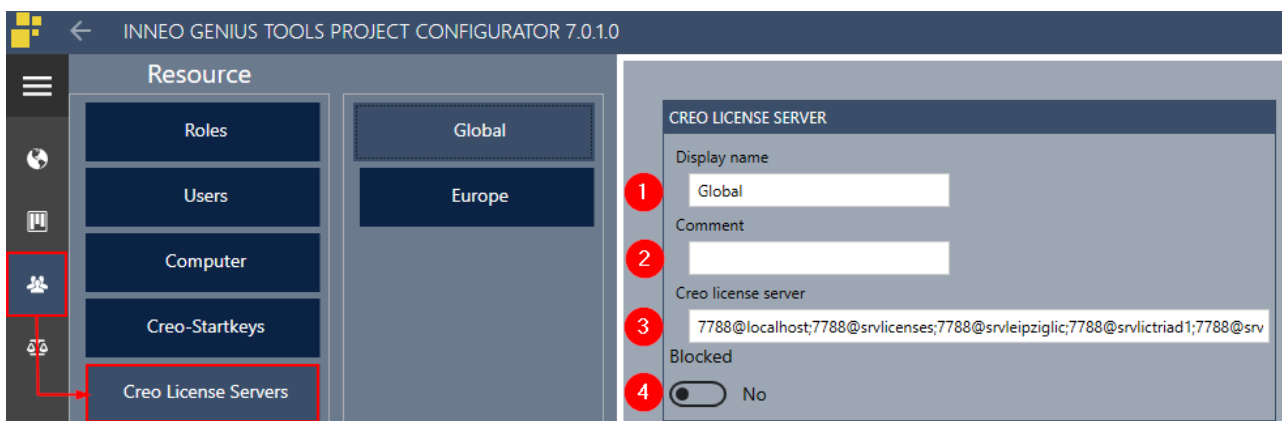




Linking satellites to GENIUS TOOLS Starter

## GENIUS TOOLS Project Configurator: New resource Creo license servers

In the *Resources* page  you can group one or several license servers as one resource which you can then assign to a project, unit or group.

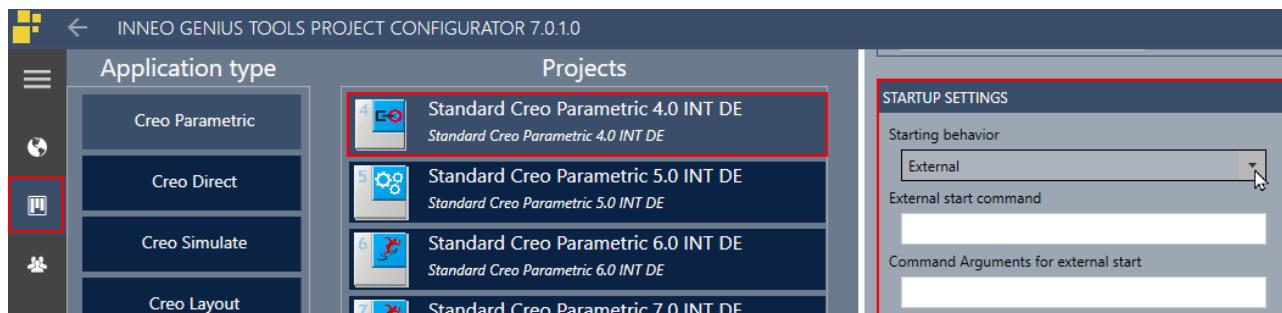


Managing Creo license servers in Resources

## GENIUS TOOLS Project Configurator: Open projects with external application

GENIUS TOOLS Starter offers the possibility to open a Creo project with a user-defined command. You can use this option, for example, to link Creo projects with SAP (SAP Engineering Control Center interface to PTC Creo).

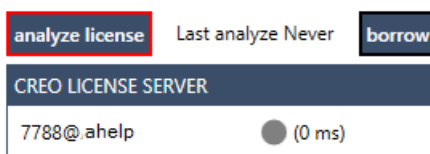
To use other applications that start a Creo project, change the start behavior of the project from Creo to External. (*GENIUS TOOLS Project Configurator > Projects > Creo tab > Startup behavior*)



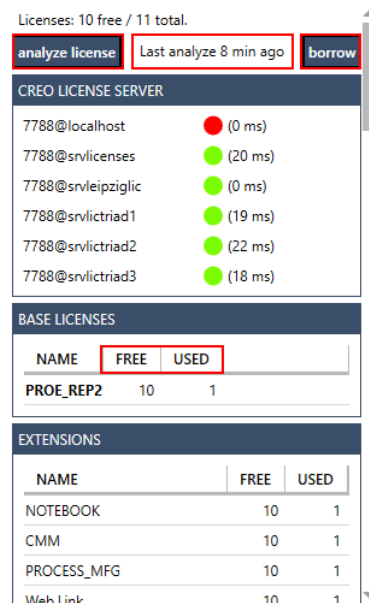
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### Info Licenses Config



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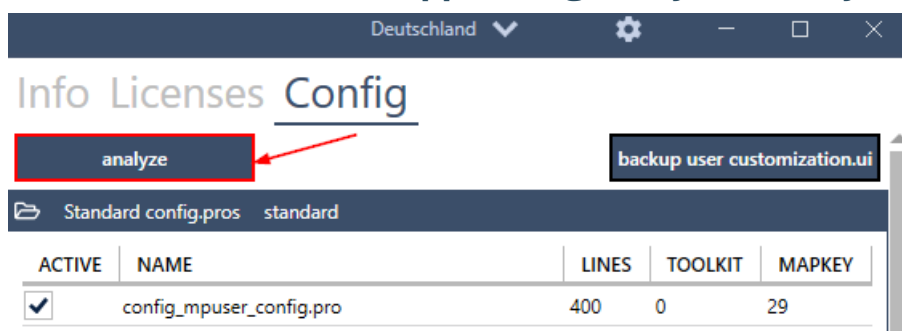


## GENIUS TOOLS Starter App: Disabling Analyze License function

The *Analyze License* function can be disabled by the administrator. This will also delete details of the required license servers in the Licenses tab.

The display of Creo license server can be hidden together with the *Analyze License* function (1) in GENIUS TOOLS Project Configurator under *Access Rights > Function Access > Select: Access Group > Section: Function Access > Can see licenses*. Make sure that the option *Show Licenses in Configuration > Creo Settings > Tab: Application > Section: Licenses* is also set to Yes.

## GENIUS TOOLS Starter App Config Analyzer: analyze configuration files

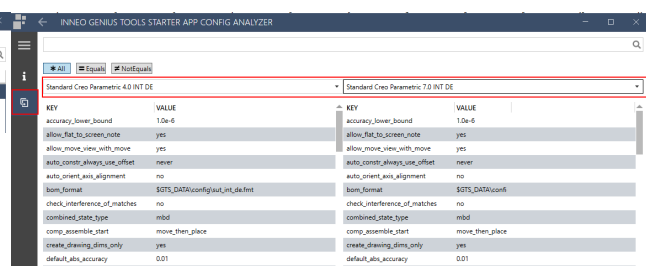


On the left of the Config tab the button analyze (1) opens GENIUS TOOLS Starter App Config Analyzer. In the *Project Information* dialog this tool lists all configuration and batch files that are need for a project as well as their locations. You can click on a file and edit it directly in the editor of the analyzer tool.

The dialog *Compare Projects* allows you to directly compare the configuration settings of two projects.



*Project Information dialog*



*Compare Projects dialog*