

GENIUS TOOLS[®] 

GENIUS TOOLS Starter

Release 7.0.0.0

Release information

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1 Important information

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

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.

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
7.0.0.0	Select Creo startkey	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. ✓ Allows for a reduction of projects
7.0.0.0	Apps projects	Creates projects that run on any other program. Assigning a project directory and batch files is possible. ✓ GENIUS TOOLS Starter App can be made the central access point for users.

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.

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.

Please note: Remember to check the `gt_main.cfg` after the update if you are not using a default installation.

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

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

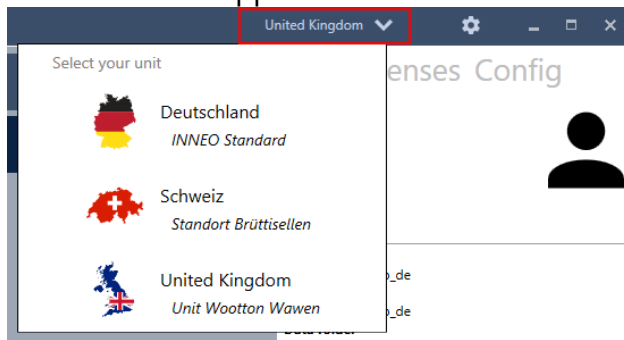
Directory	Comment
<code>..\configuration\standard</code>	Purpose and content match the previous <code>..\configuration\projects</code> directory.
<code>..\configuration\units</code>	Can contain a subdirectory for each unit that houses additional batch and configuration files.
<code>..\configuration\users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

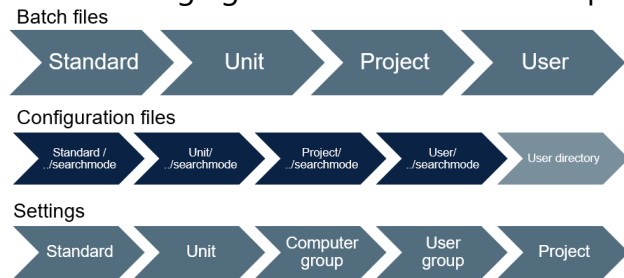
If you are using a subscription license, you can configure two additional layers for batch files and Creo configuration files: Units and Users. In larger installations, this makes it easier to configure different settings for different locations or business units.

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.



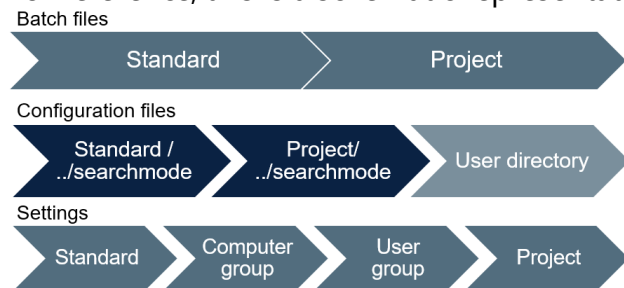
Unit selection

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 7.0.0.0

New service: GENIUS TOOLS Starter Service for faster data synchronization

GENIUS TOOLS Starter Service is a service for faster data synchronisation between the caddepot directory of the installation computer and the cadpool directory of the user computer. The service checks files for changes and synchronizes only these changes instead of synchronizing all files. This reduces the synchronization time significantly and will be especially useful when connection speed is slow.

GENIUS TOOLS Starter Service can be installed on the installation computer with the software update to version 7.0.0.0 and later versions. It will be located in the **gts-service-latest** directory in the installdpot and will be updated automatically to the latest version. The service checks the caddepot for changes and writes these changes into the zip file **gts_filetree_structure.zip** in the operating environment.

After installing GENIUS TOOLS Starter App you need to open GENIUS TOOLS Project Configurator and switch the synchronization type to **Service** in **Configuration >**

Synchronization > Server.

SERVER

Checksum validation
No

Server name
leipzig

Comment

Synchronization type
Service

Se File System
Service

Hint: If you have not installed GENIUS TOOLS Starter Service during setup, start the file **registerService.cmd** in the directory **gtsa-service-latest** for installation. Administration rights are needed.

New type of project: Apps projects

An administrator can now offer users projects that run on any other program or just quick access to a single file. GENIUS TOOLS Starter App can thus be made a central access point for users.

Projects running on other programs are created and managed in the project lists in the menu item **Apps**. This opens a dialog with the following, simplified settings: general project settings, complete start command, startup directory, data directory and project directory where project-specific batch files can be stored.

New resource: managing different license packages with Creo startkeys

The main menu **Resources** now includes the possibility to create and manage Creo startkeys. A startkey is a configured start command that opens Creo with one or several defined licenses or license extensions. Startkeys can be managed in GENIUS TOOLS Project Configurator after creating them in the PTC installation assistant (when setting up or reconfiguring Creo) as PSF files in PTC's **bin** directory.

Creo startkeys: Possibility to provide users with a selection of several startkeys

Creo startkeys can be assigned to the standard settings, groups, units or individual projects in the new tab **Licences**. The tab is found directly in the main menu **Projects** and – for groups, units and standard – in **Configuration > Creo settings**.

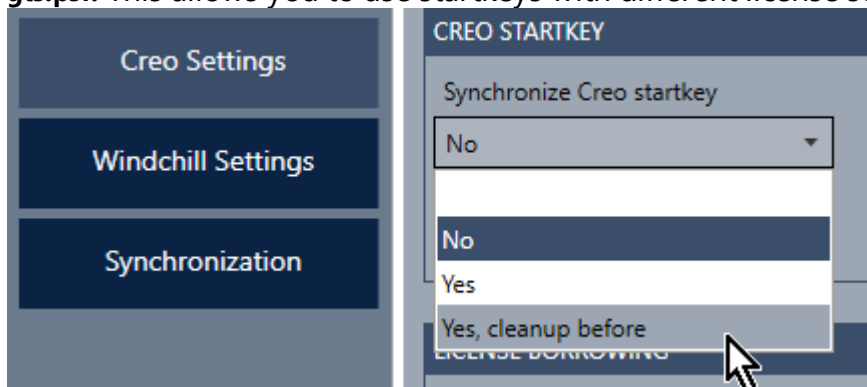
An administrator can provide users with a selection of several Creo startkeys for a project so that the quantity of projects can be minimized.

If several startkeys are made available to a project, users can select one of them in GENIUS TOOLS Starter App. Projects with a selection of startkeys can either be defined to have a startkey set on default or reuse the startkey that was last selected by the user.

In addition administrators can specify whether the startkeys to choose from should only be those assigned to the project or group or also include those from groups or units of higher order. Thus the choice of license packages can either be extended or be completely overwritten. (See behavior in the **Licences** tab: Additive vs Overwritten).

Creo startkeys: cleaning up and synchronizing before starting a project

There is a new option for synchronising Creo startkeys (start command). In the dialog **Configuration > Groups > Creo settings > Synchronize Creo startkeys** Creo startkeys can now be deleted from PTC's bin directory of the relevant Creo version, except **cocreatesim.psf** and **gts.psf**. This allows you to use startkeys with different license servers.



Creo startup settings: enforcing data synchronization before project start

The behavior of Creo at project start can be changed so that all data is synchronized with project start, i. e. independent of the set synchronization interval. In the main menu

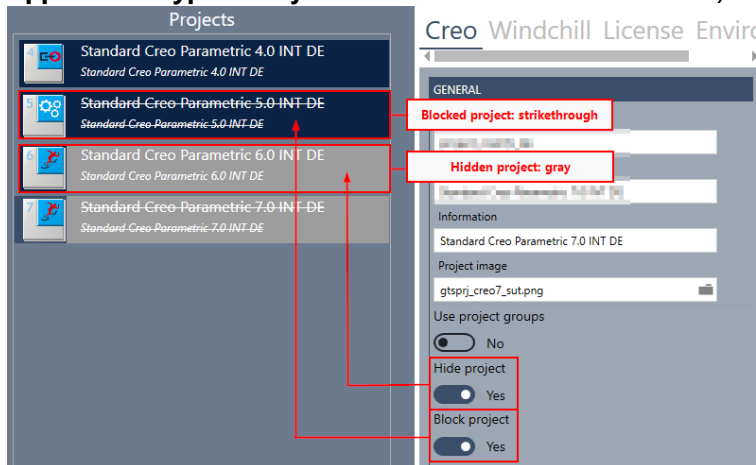
Configuration go to **Creo settings > Synchronize with project start** and select:

No (default): No data is synchronized before opening a project.

Yes: Data is synchronized before project start, i. e. the following subdirectories in the **configuration** directory: **plot, standard, units, projects** and **users**.

Projects in GENIUS TOOLS Project Configurator: improved status display

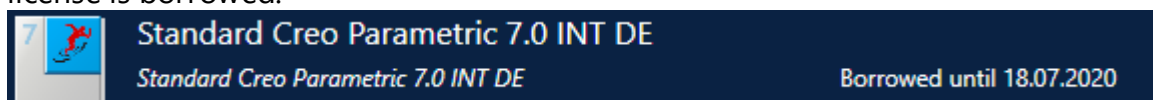
The status of a project can be better spotted: Blocked projects are displayed in gray in GENIUS TOOLS Project Configurator, hidden projects are stroked through. (In **Projects > Application Type > Projects > Tab: Creo > Block: General**.)



A hidden project is a project that is not listed in GENIUS TOOLS Starter App, but can still be started using a start parameter. A blocked project, by contrast, cannot be started using a start parameter.

Projects in GENIUS TOOLS Starter App: improved display for license borrowing

In the main window of GENIUS TOOLS Starter App projects with a borrowed license can now be quicker recognized by the note on the right which informs about the period a license is borrowed.



In the footer you can view in the tooltip of the plane button which GENIUS TOOLS licenses have been borrowed and for how long.

