

GENIUS TOOLS Starter

13.0.1.0

Documentation

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1 Important information

Starter Service: Verify access rights (13.0.0.0)

Verify that the user permissions for the GENIUS TOOLS Starter services are set correctly:

- GENIUS TOOLS Starter Control Service: the user must have administrator rights.
- GENIUS TOOLS Starter Sync Service: the user needs read and write access on files and directories that are to be synchronized.

By dividing the system into two services, the principle of least privilege is implemented: Administrative permissions are used only where they are technically necessary. The synchronization service operates with the minimum level of permissions.

Different functionality depending on license type

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

Subscription function	Description	Release
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

Subscription function	Description	Release
Access to directory "users"	Adds a group element ("users") that can easily reflect complex configurations for many users. ⇒ Less maintenance work	6.0.1.0
Selecting Creo startkey when starting a project	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 the 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.	7.0.0.0
Operating satellites in GENIUS TOOLS Starter Service	Enables the connection of synchronization servers to a main server and their automatic synchronization. ⇒ Faster connection of user computers to a synchronized satellite ⇒ Reducing queries from network to main server	7.0.1.0
Edit and compare configuration blocks	Release-dependent config.pro editor and graphic comparison tool („Config Analyzer“, discontinued in version 12.0.1.0) ⇒ Quick overview, comparison and editing of project-related configuration blocks (config_*.pro files)	7.0.1.0
Company-specific project collections	Start projects can be put together in defined project groups by the administrator. ⇒ In many projects, these can be structured according to your own requirements.	7.0.2.0

Subscription function	Description	Release
Selectable project options	Projects can be started with multiple, individually defined configuration blocks, e.g. for license extensions or additional programs.	8.0.0.0
Reproducing organization structure with units and subunits	Subordinate units (subunits) can be created to provide additional configuration levels for project settings. ⇒ Better mapping for locations, subunits etc. and the resulting complex project configurations ⇒ Allows for further reduction of projects	8.0.1.0
Combined project options	Users can select a project option in GENIUS TOOLS Starter App, which activates multiple configuration options which are located in different directories and configuration levels, e. g. for license extensions and add-on applications. ⇒ Number of projects can be minimized	8.0.1.0
Edit config.pro files in GENIUS TOOLS Config Editor	Creo configuration options can be edited faster with auto-completion and color coding. ⇒ Easier comparison and editing of configuration options, also in batch mode.	8.0.2.0
Auto projects	Settings for auto projects (e. g. Keyshot) can be specified for the configuration levels standard, unit, project and user. ⇒ Company-specific configurations possible	9.0.0.0
Create and migrate Creo Elements/Direct Modeling projects	For Creo Elements/Direct Modeling projects, settings can be specified for the configuration levels standard, unit, project and user, and project settings and data packages can be added or migrated. ⇒ Integration of an additional CAD application	9.0.0.0

Subscription function	Description	Release
Create SolidWorks projects	Projects for SolidWorks can be configured in the layers standard, unit, project and user. Project settings can be specified and data packages added. ⇒ Integration of an additional CAD application	9.0.1.0
Create Inventor projects	Projects for Inventor can be configured in the layers standard, unit, project and user. Project settings can be specified and data packages added. ⇒ Integration of an additional CAD application	9.0.2.0
Create AutoCAD projects	For the applications AutoCAD, AutoCAD Architecture and AutoCAD Mechanical, projects can be created for a specific release and be assigned project and data directories. ⇒ Integration of an additional CAD application	9.0.2.0
Support of AutoCAD LT	Projects can be created for AutoCAD LT.	10.0.1.0
Select alternative authentication	Users can authenticate against a system other than Windows. Windchill user data can be imported with GENIUS TOOLS Project Configurator. For other systems, e. g. SAP, a self-created file can be used. ⇒ Compatibility of Starter projects with other authorization systems, e. g. Windchill	10.0.1.0
Unit-specific visibility of projects	Access to a project can be restricted to a specific unit (in addition to being restricted to a role). ⇒ Use of units for project access	11.0.0.0
Install Creo projects	Synchronize Creo Parametric setups to user computers, from which they can be started manually or automatically.	11.0.0.0

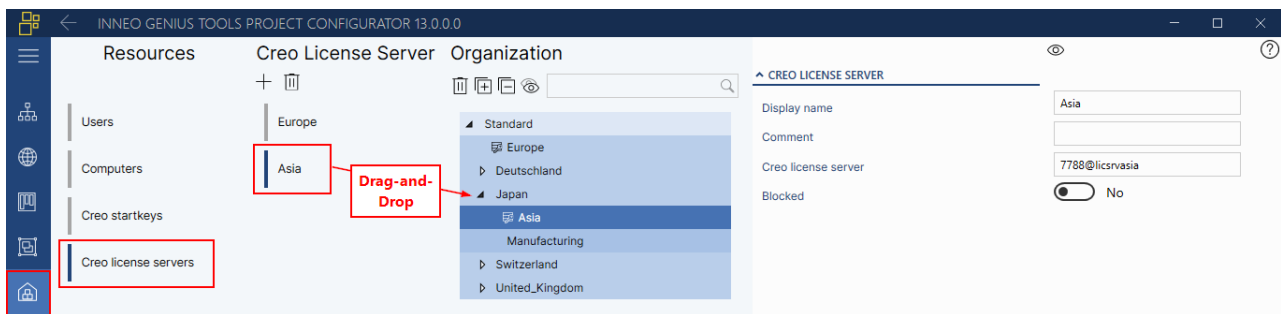
Subscription function	Description	Release
SSO-Authentifizierung	Windchill user data can be authenticated with an existing Windchill server with SSO (single sign-on) setup. ⇒ Login process in GENIUS TOOLS Starter omitted	11.0.1.0
Synchronization with Git	Operating environments can be synchronized with the version control system Git. ⇒ Synchronization server can be accessed with URL address	11.0.1.0
Check in changes to Git	Software component GENIUS TOOLS Git Utility for checking in changes made in an operating environment to the version control system Git and the history of these changes. ⇒ Intuitive graphical user interface	12.0.0.0
Location-specific operation of satellites	Synchronization servers can be assigned to individual locations (units) and a time can be specified for synchronization. ⇒ Improved management of satellites	12.0.2.0 / 13.0.0.0

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.

2 New features in version 13

Project Configurator: Organization tree for license servers (13.0.0.0)

In the main menu Resources  you can assign Creo license servers to one or several units by dragging and dropping the server entry into the organization tree. This removes the dropdown menu for units under *Configuration > Settings: Creo Parametric > Tab: Start > Section: Creo license server*.



Assigning license servers to units in the Resources menu item

A license server can still be selected directly at a project in *Projects > Tab: Start > Section: Creo license server*.

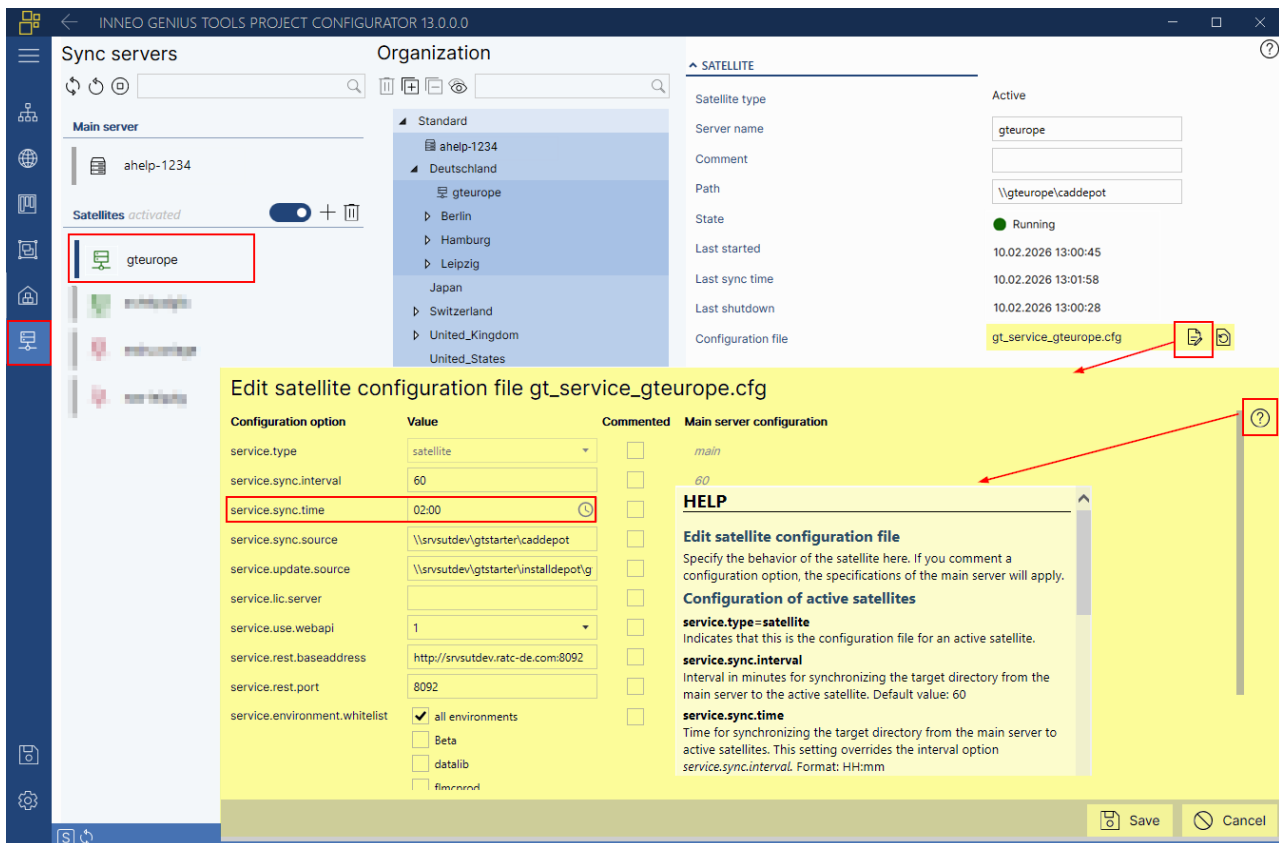
Starter Services: Set synchronization time for satellites (13.0.0.0)

For each satellite you can define a time for data synchronization allowing synchronization to take place at a time when no work is being performed at the respective location.

The configuration option *service.sync.time* defines the time (HH:mm) for synchronizing the target directory from the main server to active satellites, while *share.sync.time* defines the time for passive satellites. These settings override the interval options *service.sync.interval* and *share.sync.interval*.

You can specify these settings in GENIUS TOOLS Project Configurator under the Satellites menu item .

- For active satellites: in the settings for the main server or the individual active satellite.
- For passive satellites: in the settings for the main server.



Alternatively, the configuration options can be entered manually into a CFG configuration file:

- Settings for an active satellite in: *gt_service_<satellite_name>.cfg*
- Settings for a passive satellite in: *gt_service_share_<display_name>.cfg*

Starter Services: New configuration options (13.0.0.0)

These new configuration options specify the time for data synchronization from satellites:

service.use.webapi

Defines, whether the Web API is activated. This allows the GENIUS TOOLS Starter Sync Service to be started and stopped remotely on a satellite. Default: 1 (In the Satellites menu item in GENIUS TOOLS Project Configurator, the Synchronize, Restart, and Stop buttons are active.)

service.sync.time

Time for synchronizing the target directory from the main server to active satellites. This setting overrides the interval option `service.sync.interval`. Format: HH:mm

share.sync.time

Time for synchronizing the target directory from the main server to passive satellites. This setting overrides the interval option `share.sync.interval`. Format: HH:mm

The configuration options must be specified in a CFG file, see also New features in version

13.0.0.0: Set synchronization time.

These configuration options are used for registering GENIUS TOOLS Starter Control Service and GENIUS TOOLS Starter Sync Service:

service.control.user

The control service is registered under this user. Format:

<Domain>\<WindowsUsername>

service.control.password

The control service is registered under this user. Specification: Password

service.sync.user

The synchronization service is registered under this user. Format:

<Domain>\<WindowsUsername>

service.sync.password

The synchronization service is registered under this user. Specification: Password

The settings must be made in a CONF file whose name matches the name of the CFG file for the respective satellite.

Please note: The service GENIUS TOOLS Starter Sync Service speeds up data synchronization and specifies which work operating to synchronize to user computers. GENIUS TOOLS Control Service monitors data synchronization. Only this control service requires administrator rights. The synchronization service can run under lower access rights.
