

# GENIUS TOOLS Starter

12.0.1.0

## Documentation

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# 1 Important information

## Environment Administrator: Older versions cannot be created (11.0.0.0 and newer)

With GENIUS TOOLS Environment Administrator 11.0.0.0 and newer, operating environments of versions 10.0.2.0 and older cannot be created. This is due to the migration to .NET 8.

Note that due to the conversion of the database in Release 9.0.0.0, versions older than Release 9.0.0.0 cannot be created with GENIUS TOOLS Environment Administrator either. See Important information: New folder structure not downward compatible.

## 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 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"	<p>Adds a group element ("users") that can easily reflect complex configurations for many users.</p> <p>⇒ Less maintenance work</p>	6.0.1.0
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>	7.0.0.0
Operating satellites in GENIUS TOOLS Starter Service	<p>Enables the connection of synchronization servers to a main server and their automatic synchronization.</p> <p>⇒ Faster connection of user computers to a synchronized satellite</p> <p>⇒ Reducing queries from network to main server</p>	7.0.1.0
Edit and compare configuration blocks	<p>Release-dependent config.pro editor and graphic comparison tool („Config Analyzer“, discontinued in version 12.0.1.0)</p> <p>⇒ Quick overview, comparison and editing of project-related configuration blocks (config_*.pro files)</p>	7.0.1.0
Company-specific project collections	<p>Start projects can be put together in defined project groups by the administrator.</p> <p>⇒ In many projects, these can be structured according to your own requirements.</p>	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	<p>Subordinate units (subunits) can be created to provide additional configuration levels for project settings.</p> <p>⇒ Better mapping for locations, subunits etc. and the resulting complex project configurations</p> <p>⇒ Allows for further reduction of projects</p>	8.0.1.0
Combined project options	<p>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.</p> <p>⇒ Number of projects can be minimized</p>	8.0.1.0
Edit config.pro files in GENIUS TOOLS Config Editor	<p>Creo configuration options can be edited faster with auto-completion and color coding.</p> <p>⇒ Easier comparison and editing of configuration options, also in batch mode.</p>	8.0.2.0
Auto projects	<p>Settings for auto projects (e. g. Keyshot) can be specified for the configuration levels standard, unit, project and user.</p> <p>⇒ Company-specific configurations possible</p>	9.0.0.0
Create and migrate Creo Elements/Direct Modeling projects	<p>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.</p> <p>⇒ Integration of an additional CAD application</p>	9.0.0.0

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

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**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.






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## 2 New features in version 12

### Starter: New software component GENIUS TOOLS Git Utility (12.0.0.0)

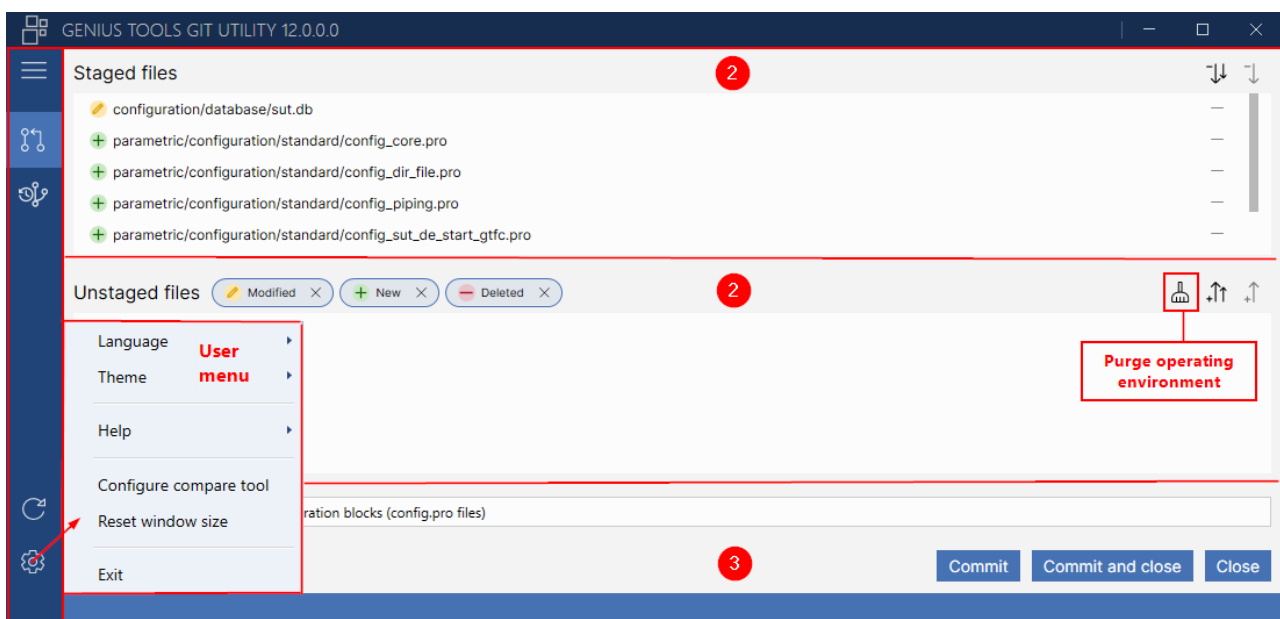
GENIUS TOOLS Git Utility is an application for GENIUS TOOLS Starter which allows you to check in changes made in an operating environment to the version control system Git and which displays the history of these changes. GENIUS TOOLS Git Utility is opened in GENIUS TOOLS Project Configurator with the function *Git checkin* in the sidebar.


**Please note:** If there is a disc icon  in the sidebar, you are not working in a git-versioned environment.

The main page *Commit* lists all changed files in the operating environment. A distinction is made between staged (1) and unstaged (2) files. Unstaged files can be filtered by modified files , new files  and deleted files  and can be set to staged files by clicking the icon  (all files) or the icon  (selected files).

Old versions of files can be deleted using function *Purge operating environment* .

Enter a commit message and click the Commit button (3).



The History page  lists all commits of a working environment with the commit message and details of the check-in date and author. The current status of a file can be compared with a previous status of this file.

Further information can be found in the help document, which opens when pressing F1 or under Help in the side bar.




## Starter: New environment variables (12.0.0.0)

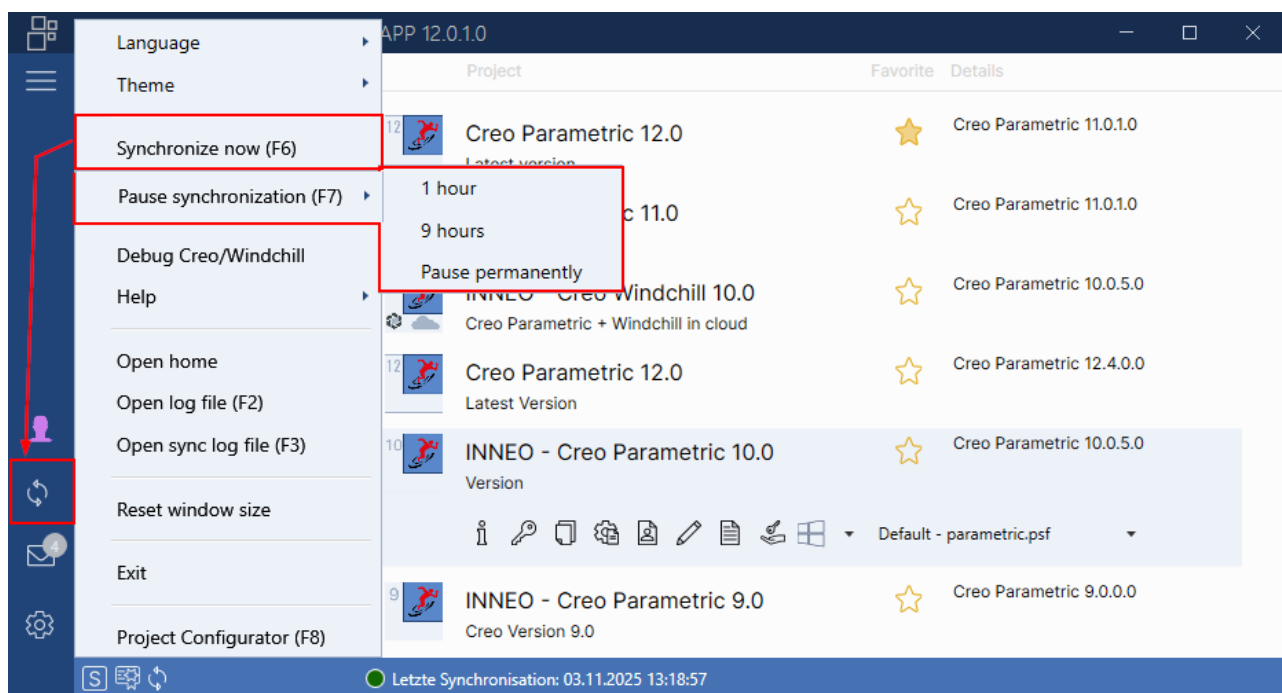
The following new variable is supported by GENIUS TOOLS Starter:


### GTS\_USER\_EMAIL


Contains the email address of the user entry in GENIUS TOOLS Starter

## Starter App: Time limit for pausing synchronization, button in sidebar with new function (12.0.1.0)



The function *Pause Synchronization* can be limited in time in the user menu : for a period of one hour, 9 hours, or permanently.



The function *Synchronize Now* can now – in addition to the user menu – also be activated in the sidebar with the button .

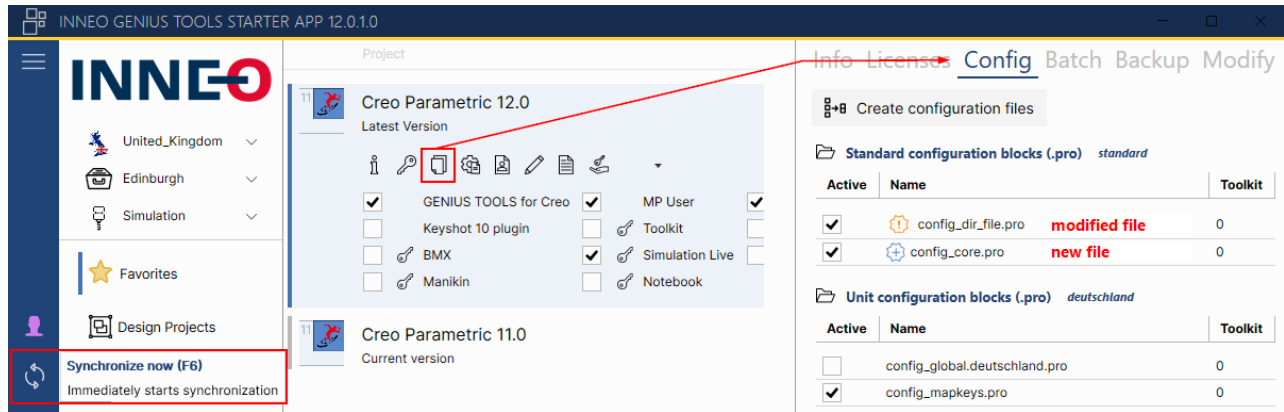
The button replaces the *Reload Projects*  function, as changes are applied in real time, see New features in version 12.0.1: Display of locally modified files.

## Starter App: Display of locally modified files (12.0.1.0)

Changes to files that configure a Starter project and are made locally are applied in real time in GENIUS TOOLS Starter app. It is no longer necessary to reload projects. The function *Reload Projects*  in the sidebar is replaced by the function *Synchronize Now* , see New features in version 12.0.1: Button with new function.

Changes to configuration blocks and batch files are marked with icons in the Config and Batch tabs. This makes it easier for administrators to test files before they are synchronized to user computers.

If configuration blocks for Creo Parametric projects have been modified, they can be opened directly on the comparison page of GENIUS TOOLS Config Editor by clicking the button.



### Config tab in GENIUS TOOLS Starter App

The following icons can appear in the Config and the Batch tab:

- New file      File has been added.
- Modified file      File has been edited.
- Incorrect batch file      GTS variables are overwritten in the batch file. In the case of start batch files, this may cause problems when starting projects.
- Incorrect configuration block      There are invalid characters (non-visible control characters) in the file. GENIUS TOOLS Starter removes these characters when creating the configuration files. The project can be started.

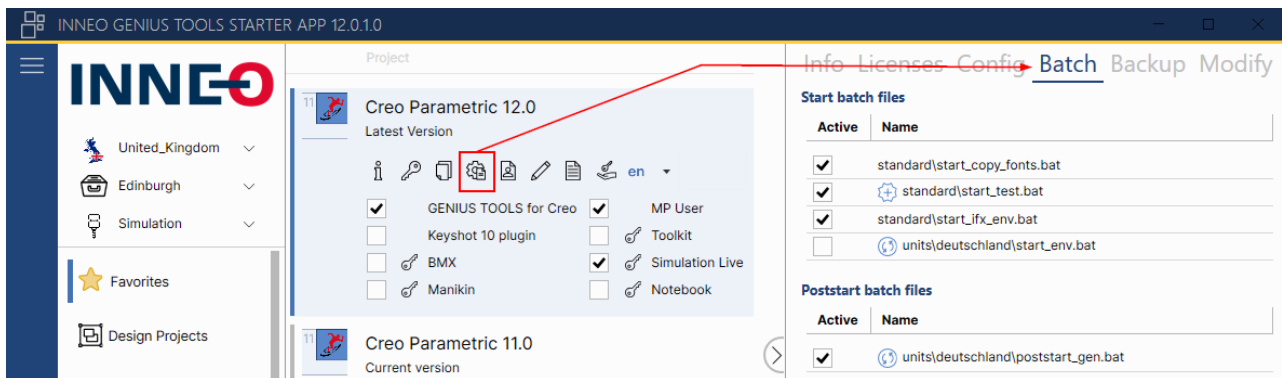
## Starter App: Display of batch files (12.0.1.0)

The new Batch tab displays all batch files that apply to the selected project. These can be pre-start, start, post-start, and stop batch files.

The tab is opened with the batch icon in the project area. It can be hidden by the administrator. (New function right: Can view batch files)

You can deactivate the batch files by checking the checkbox and edit them by double-clicking on the file name if you have the corresponding function right. (Can deactivate batch files.)

There are new info icons for batch files for testing purposes, see New features in version 12.0.1.0: Display of locally changed files.



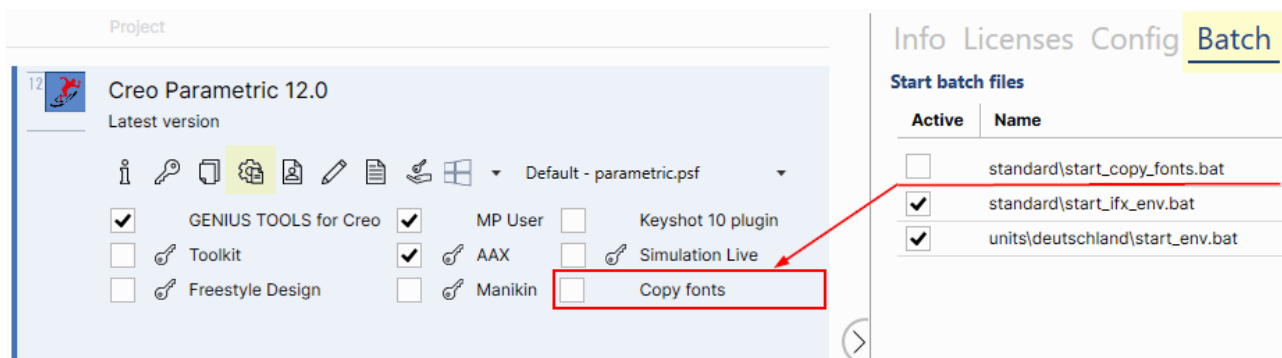
Display of batch files in GENIUS TOOLS Starter App

Settings in batch files can be created as project options, see New features in version 12.0.1.0: Creating project options for batch files

## Starter App: Creating project options for batchfiles (12.0.1.0)

You can create batch files as project options by entering the available GTS config variables with the comment characters "rem" or "::::". The following variable is necessary:


```
rem gts_is_selectable = true (alternativ: :: gts_is_selectable = true)
```



All GTS configuration variables can be found in the GENIUS TOOLS Starter Manual under *Making use of project options > Company-specific Project Options > Single Project Options*.

## Starter: Starter App Config Analyzer discontinued (12.0.1.0)

GENIUS TOOLS Starter App Config Analyzer is being discontinued. The functions available in this tool for editing configuration blocks and comparing configuration settings between two projects are now fully integrated into GENIUS TOOLS Config Editor.

This means that the Analyze button  in the info area of a project in GENIUS TOOLS Starter App as well as the function access right *Can analyze project* in GENIUS TOOLS Project Configurator are no longer available.

