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You can use the *“Project information”* object to retrieve information about your project and the relevant file, and edit certain information.

The object contains information on

- File attributes
- Meta information, such as manufacturer, title, or author
- Properties with key
- Statistics
- Licensing

PLC Engineering saves the project information as an object within the project. When transferring a project to another system, the *“Project information”* object is also transferred. A project archive is not required.

By using property keys, the project information is externally accessed via function blocks. For a library project, additional information about licensing can be queried.

Editing meta information

1. Select *Project → Project information*.
⇒ The *“Project information”* dialog opens.
2. Select the *“Summary”* tab.
3. Specify your data in the input fields (example: 0.0.0.1 in the *“Version”* input field).
⇒ PLC Engineering creates a property with a key for each given value and manages them on the *“Properties”* tab. For a library project, PLC Engineering continues to use the properties and sorts the library repository for the properties.

When selecting the option for PLC Engineering to create a function block for these properties, access to properties is executed programmatically.

Creating functions for access to properties

1. Select *Project → Project information*.
⇒ The *“Project information”* dialog opens.
2. Select the *“Automatically generate 'Project information' POUs”* option.

Example

Prerequisite: The following property is defined.

```
Schlüssel = nProp1  
Typ= Zahl  
Wert= 333
```

1. Select the *“Automatically generate 'Project information' POU’s”* option.
2. Declare a variable of the type DINT, e.g. showprop : DINT;
3. Call the function GetNumberProperty: showprop := GetNumberProperty("nProp1");
⇒ You are granted access to the value in the application.



Note: The function generated with the *“Automatically generate 'Project Information' POU’s”* option can only be used if the runtime system supports the WSTRING data type! If this is not the case, use the *“Automatically generate 'Library Information' POU’s”* option: The functions generated for this can be used in the application for accessing the properties. These functions are not registered in the runtime system.

Licensing library project

If the project is a library project, library licensing can be enabled upon use. A "Codesys Security Key" is used as dongle.

Prerequisite: The project is a library project.

1. Select *Project → Project information*.
⇒ The *“Project information”* dialog opens.
2. Select the *“Licensing”* tab.
3. Select the *“Activate dongle licensing”* option.
4. Enter the dongle data in the *“Firm code”*, *“Product code”*, *“Activation URL”* and *“Activation mail”*.
⇒ The library is licensed.

Outdated: Signing a library project - Only available for version compatibility with PLC Engineering < SP15 - From version PLC EngineeringV3SP17 only for existing libraries with the obsolete signing created in the *“Project information”*- *“Sign”* dialog



From PLC EngineeringV3 SP15, library signing is always certificate-based. To perform such a signing, refer to the help page for the *“Save Project as translated library”* command. In contrast to outdated signing via the setting in the *“Project information”* - *“Signing”* dialog, the entire library is signed using the certificate.

If a library project needs to be signed for a PLC Engineering version < V3 V3 SP15, due to compatibility reasons, proceed as follows:

Prerequisite: A private key file with a token is available. In the project information of the library project, a library compatibility to a PLC Engineering version < V3 V3 SP15 is selected in the *“Summary”* tab.

1. Select *Project → Project information*.
⇒ The *“Project information”* dialog opens.
2. Select the *“Signing”* tab.
3. Select the option *“Activate signing”*.
4. Enter the storage location of your private key file.
⇒ PLC Engineering enters the token automatically in *“Public key token”* (example: 427A5701DA3CF3CF).
5. Click *File → Save project as compiled library*.
⇒ The library project is saved as a files with the extension *.library. The token is contained in the library repository or the Library Manager in the library details and can be compared to the library provider’s published token. Thus, it is verified whether the library actually originates from the provider.

Also refer to

- ↘ *“Command 'Save Project as Compiled Library”*