Data Sheet CODESYS SVN

CODESYS SVN enables an integrated connection to the software versioning system Apache™ Subversion® for all application objects.

CODESYS SVN is part of the tool bundle CODESYS Professional Developer Edition.

Product description

Apache™ Subversion® (SVN) is a tool for versioning and revision control of current and historical versions of files such as source code, web pages, and documentation. Apache™ Subversion® is a registered trademark of the Apache Software Foundation. See the package information in the package manager for more information.

Revision control, also known as version control or source control, is the management of changes to documents, programs, and other information stored as computer files. It is most commonly used in software development, where a team of people may change the same files. The main tasks of a version control system are:

- Log of changes: It can be reproduced at any time what changes have been made, when and by who these changes have been made.
- Restore of old revisions of single files. Changes of files by mistake can be undone at any time.
- Archiving of specific revision of a project. It is always possible to go back to older versions.
- Coordination of shared access of developers.
- Simultaneous development of multiple branches of a project.

The Subversion functions are directly available in CODESYS both in the 32-bit and in the 64-bit variant. The application is seamlessly integrated in the CODESYS development environment.

CODESYS SVN can be installed and started in the CODESYS Development System without a license. To connect to an SVN repository, a license key is required in the demo as well as in the full version.

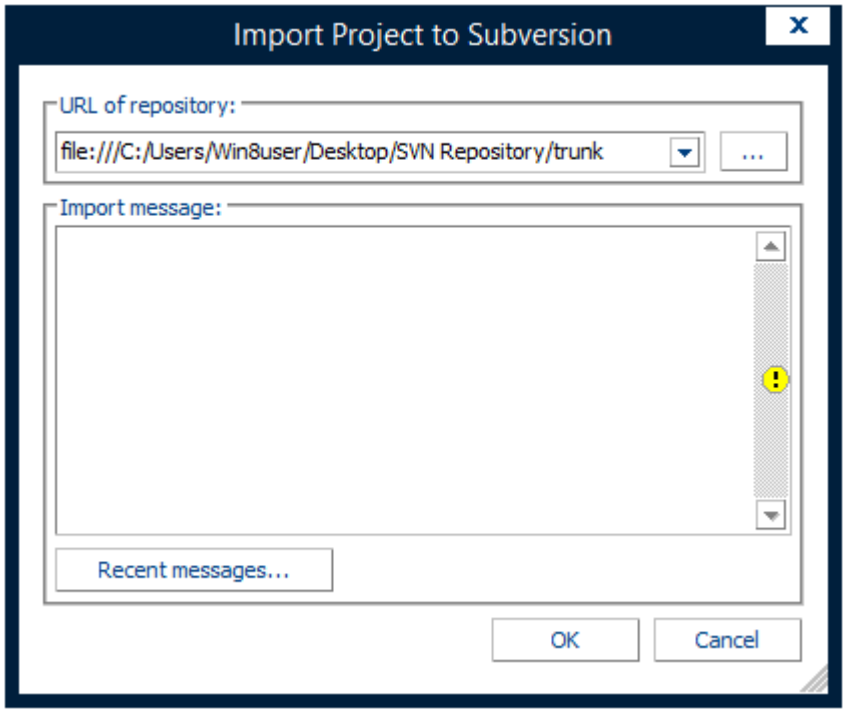
The SVN commands in CODESYS serve to maintain the consistency of objects which can be shared by several users. They allow to compare different revisions or to restore a version of an object.

To bring a project under SVN control you have to use the command from the “Project/SVN” menu. If a project is imported to CODESYS SVN, the overlay icons in the device tree show the status of the objects.

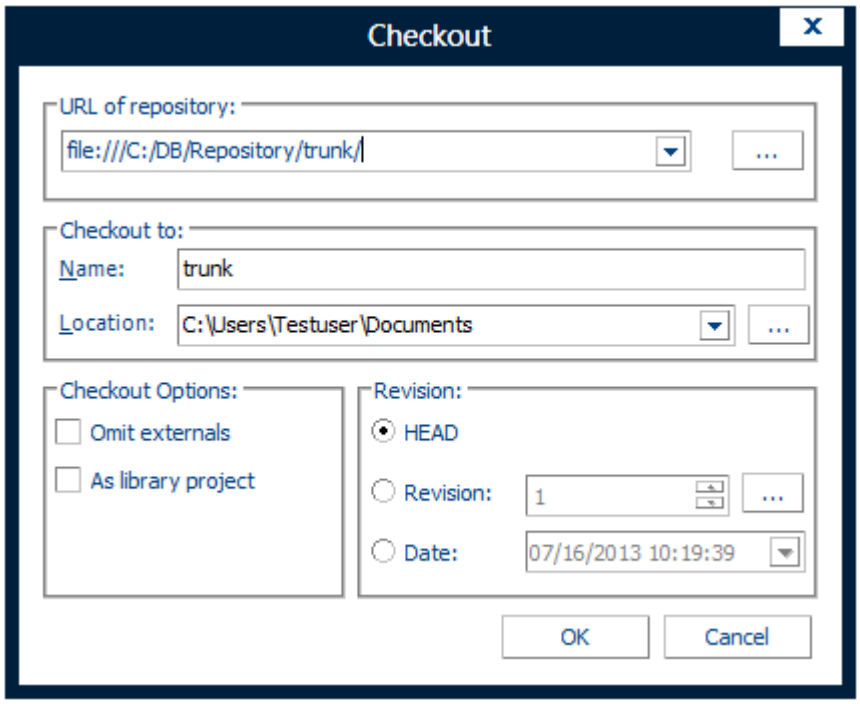
Meaning of the overlay icons

The following commands will be available in the “Project” menu or in the context menu of the objects in the device tree:

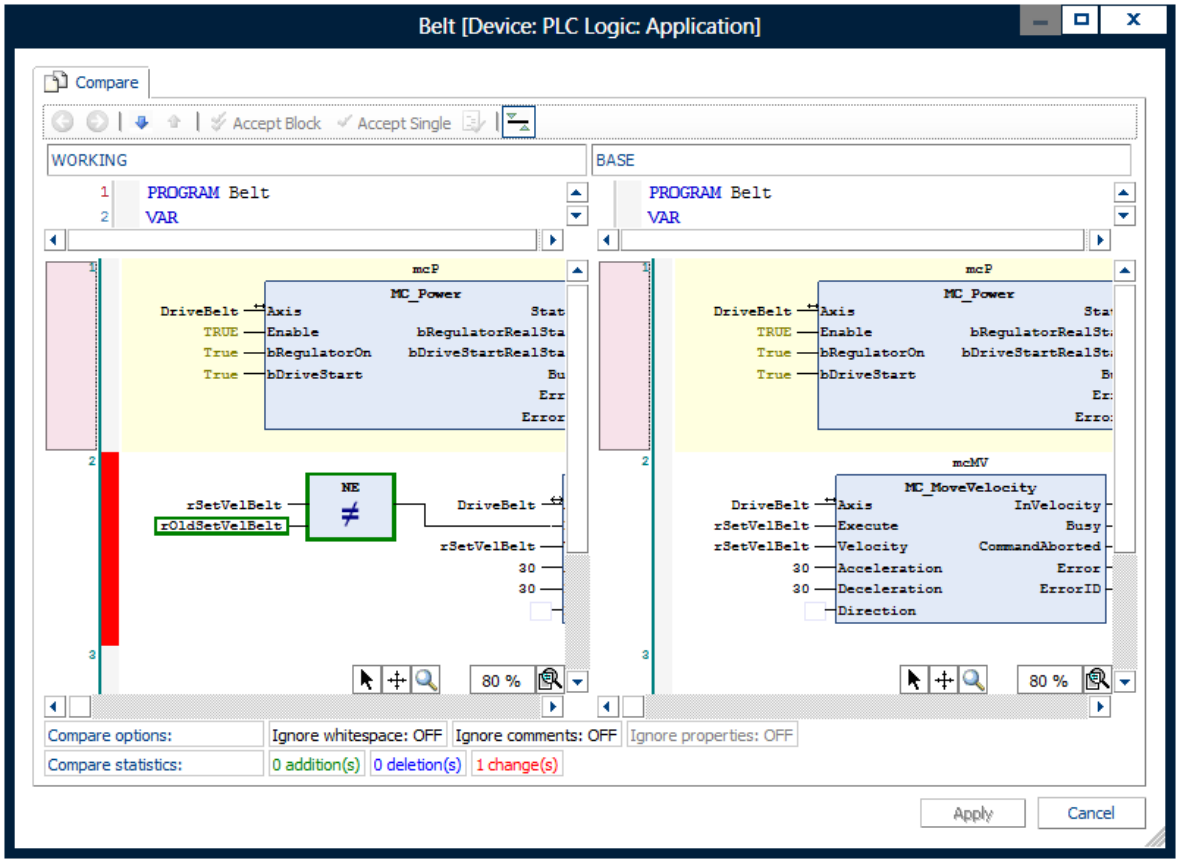
- Import Project to Subversion
- Checkout
- Commit
- Compare
- Compare with Head Revision
- Compare with Revision
- Compare to remote Project
- Include external Objects
- Ignore on Commit
- SVN Info
- Show Properties
- Acquire Lock
- Steal Lock
- Release Lock
- Show Log
- Revert
- Revert to Revision
- Update
- Update to Revision
- Add to Version control
- Disconnect Project from Subversion
- Switch
- Unignore on commit
- SVN Cleanup
- Clear Authentication Data
- Merge Changes
- Connect to existing Project
- Resolve Conflict
- Work in offline Mode
- Copy (Branch/Tag)



Dialog for import of a project to an existing Subversion repository



Dialog for checkout of a project from a Subversion repository



Dialog for comparison of the current version with the base version of the project in the Subversion repository

General information

Supplier:

CODESYS GmbH
Memminger Strasse 151
87439 Kempten
Germany

Support:

This product includes a free addition to an otherwise paid support entitlement of one hour of support.
The redemption must be made within 1 year from the date of purchase. After this time, the support entitlement expires.

https://support.codesys.com

Item:

CODESYS SVN

Item number:

2101000000

Sales/Source of supply:

CODESYS Store
https://store.codesys.com

Included in delivery:

- Package for the CODESYS Development System including license agreement and online help
- License key

System requirements and restrictions

Programming System	CODESYS Development System V3.5.19.30 or higher
Runtime System	-
Supported Platforms/ Devices	-
Additional Requirements	Subscription of the CODESYS Professional Developer Edition. • A running Subversion project archive (repository) on a server or locally in a file • Installation of the Redistributable Package für Microsoft Visual Studio 2015

	For information on how to work with Subversion or how to install the required software please contact your local IT specialist.
Restrictions	none
Licensing	see CODESYS Professional Developer Edition
Required accessories	Optional: CODESYS Key

Detailed compatibility information

Version	Programming System Version
4.5.0.0	3.5.19.30 - newest
4.4.0.0	3.5.17.0 - newest
4.3.0.0	3.5.16.0 - newest
4.2.7.0	3.5.16.0 - newest
4.2.6.0	3.5.16.0 - newest
4.2.5.1	3.5.9.50 - 3.5.15.x
4.2.5.0	3.5.9.50 - 3.5.15.x
4.2.4.0	3.5.9.50 - 3.5.15.x
4.2.2.0	3.5.9.50 - 3.5.15.x
4.2.1.0	3.5.9.50 - 3.5.15.x
4.2.0.0	3.5.9.50 - 3.5.15.x
4.1.2.1	3.5.9.50 - 3.5.15.x
4.1.1.0	3.5.9.50 - 3.5.15.x
4.1.0.2	3.5.9.50 - 3.5.15.x

Note: Technical specifications are subject to change. Errors and omissions excepted. The content of the current online version of this document applies.

Creation date: 2023-08-31