



## 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.

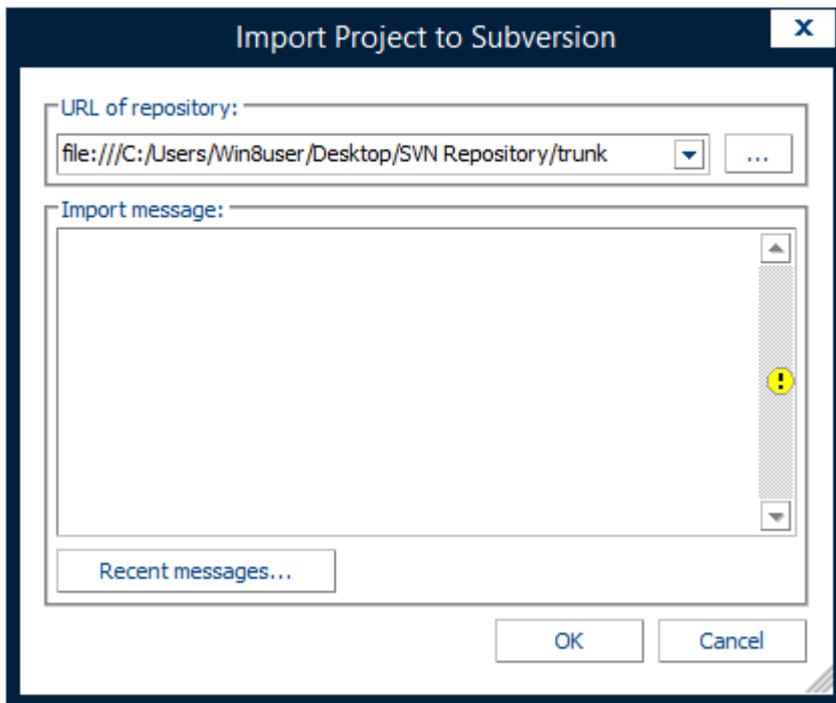
To bring a project under SVN control you have to use the command from the "Project/SVN" menu. If a project is imported to CODESYS SVN, the overlay icons in the device tree show the status of the objects.

## Meaning of the overlay icons

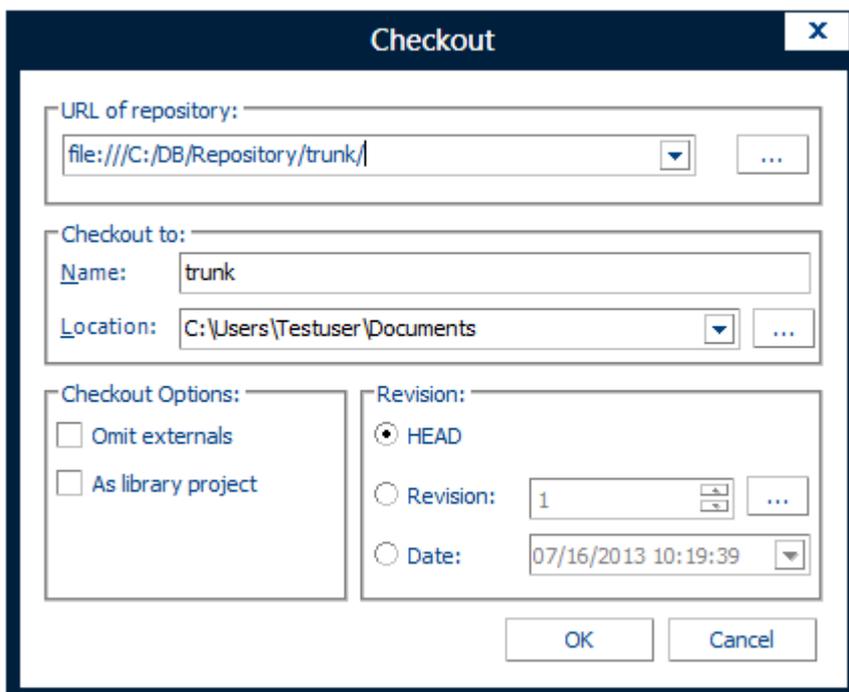
	Object added		Object locked
	Object conflicted		Object has deleted children
	Object deleted		Object ignored on commit
	Object modified		External object
	Object normal		<u>Unversioned object</u>
	Object read-only		Object with modified children

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

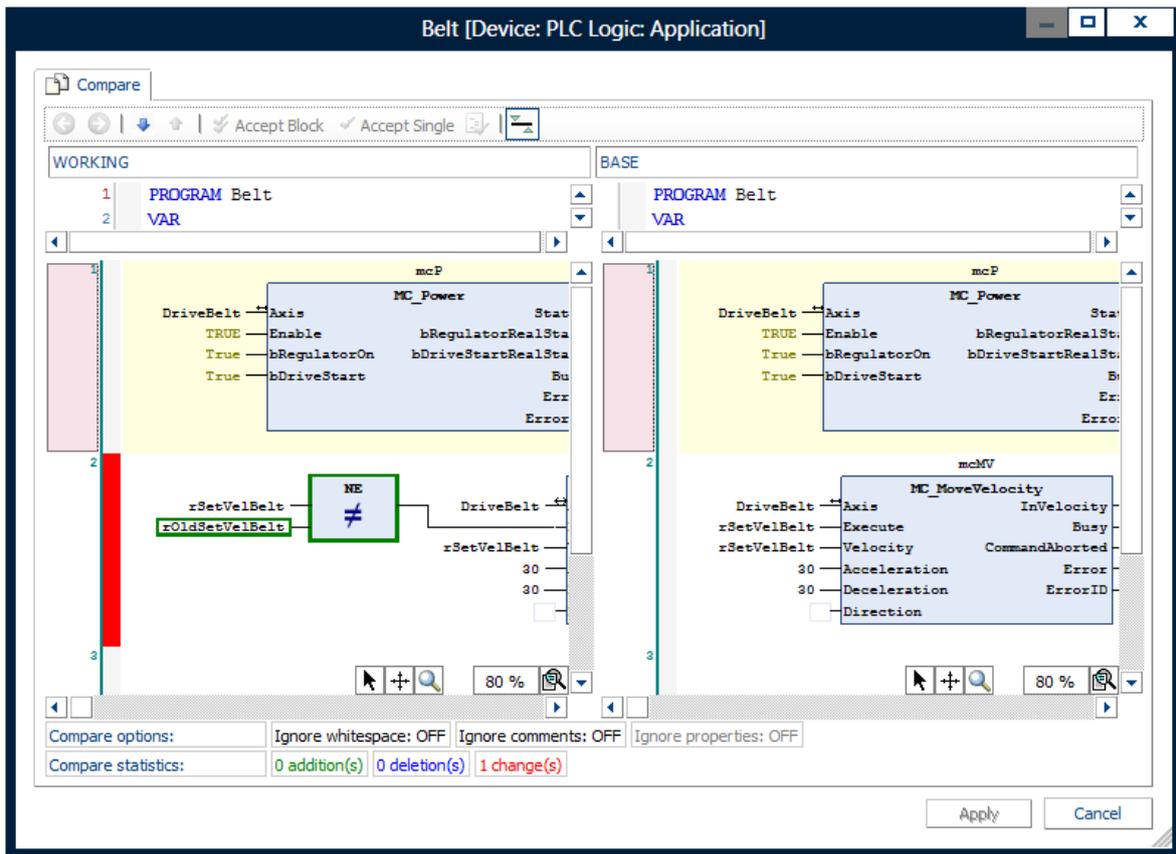
- Import Project to Subversion
- Checkout
- Commit
- Compare
- Compare with Head Revision
- Compare with Revision
- Compare to remote Project
- Include external Objects
- Ignore on Commit
- SVN Info
- Show Properties
- Acquire Lock
- Steal Lock
- Release Lock
- Show Log
- Revert
- Revert to Revision
- 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:

Technical support is not included with this product. To receive technical support, please purchase a CODESYS Support Ticket.

<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

<b>Programming System</b>	CODESYS Development System V3.5.19.30 or higher
<b>Runtime System</b>	-
<b>Supported Platforms/ Devices</b>	-
<b>Additional Requirements</b>	<p>Subscription of the CODESYS Professional Developer Edition.</p> <ul style="list-style-type: none"> <li>• A running Subversion project archive (repository) on a server or locally in a file</li> <li>• Installation of the Redistributable Package für Microsoft Visual Studio 2015</li> </ul> <p>For information on how to work with Subversion or how to install the required software please contact your local IT specialist.</p>

<b>Restrictions</b>	none
<b>Licensing</b>	see CODESYS Professional Developer Edition
<b>Required accessories</b>	Optional: CODESYS Key

#### Detailed compatibility information

<b>Version</b>	<b>Programming System Version</b>
4.6.3.0	3.5.19.30 - newest
4.6.2.0	3.5.19.30 - newest
4.6.1.0	3.5.19.30 - newest
4.6.0.0	3.5.19.30 - newest
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.*

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