

December 2012

# Features and Improvements V3.5 SP2



# Agenda

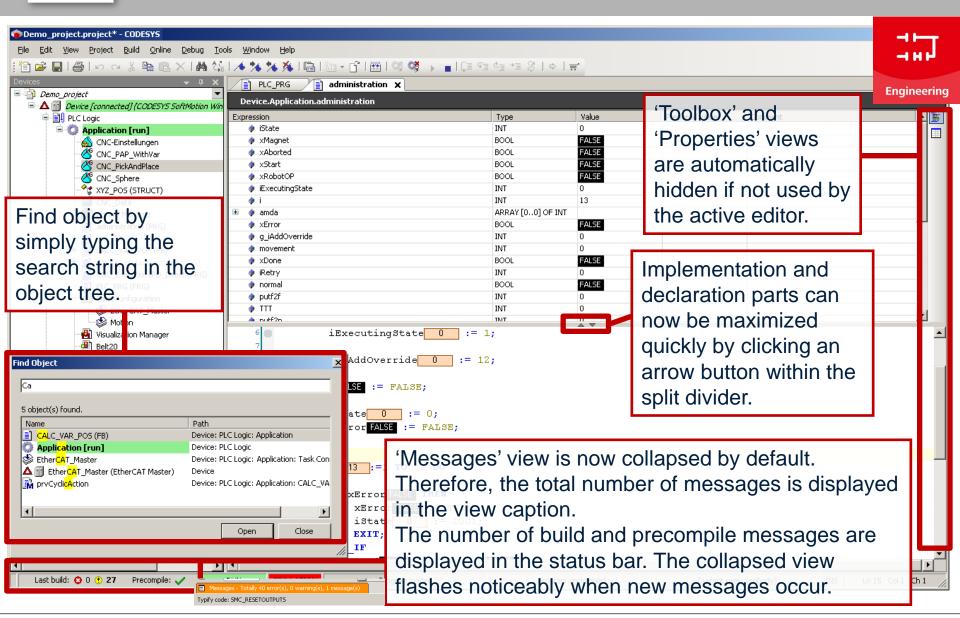






- Overview Usability Improvements
  - Improved usage of available screen space
  - Various window handling improvements
  - Improvements in ST editor
  - Improvements in graphical editors





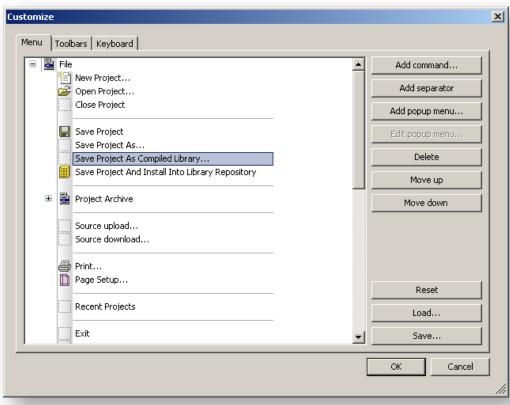




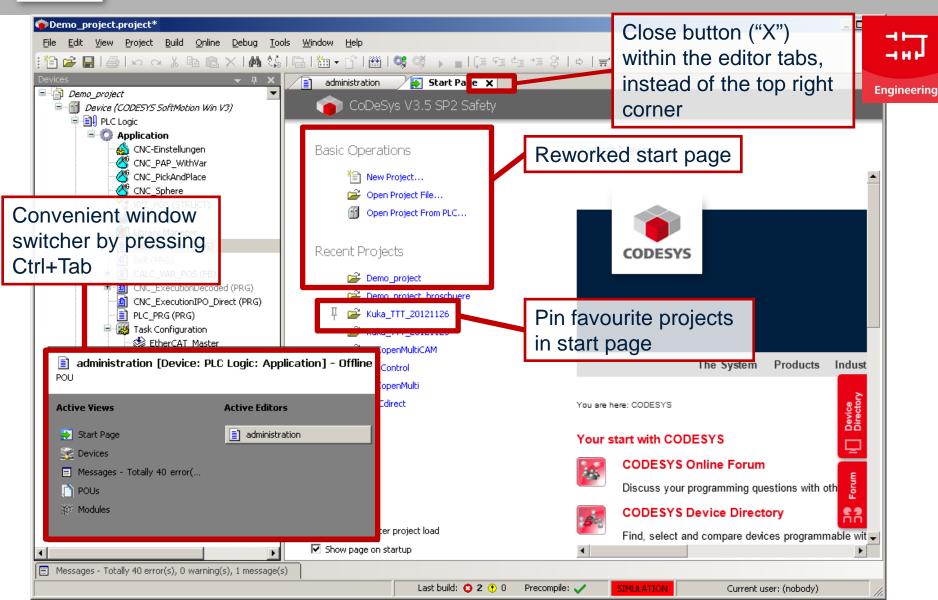
- Various window handling improvements
  - Editors can be undocked and moved to a secondary screen.

Reworked 'Customize' dialog for user-defined menu, toolbar, and

shortcut configuration.



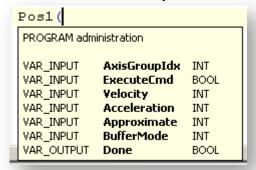






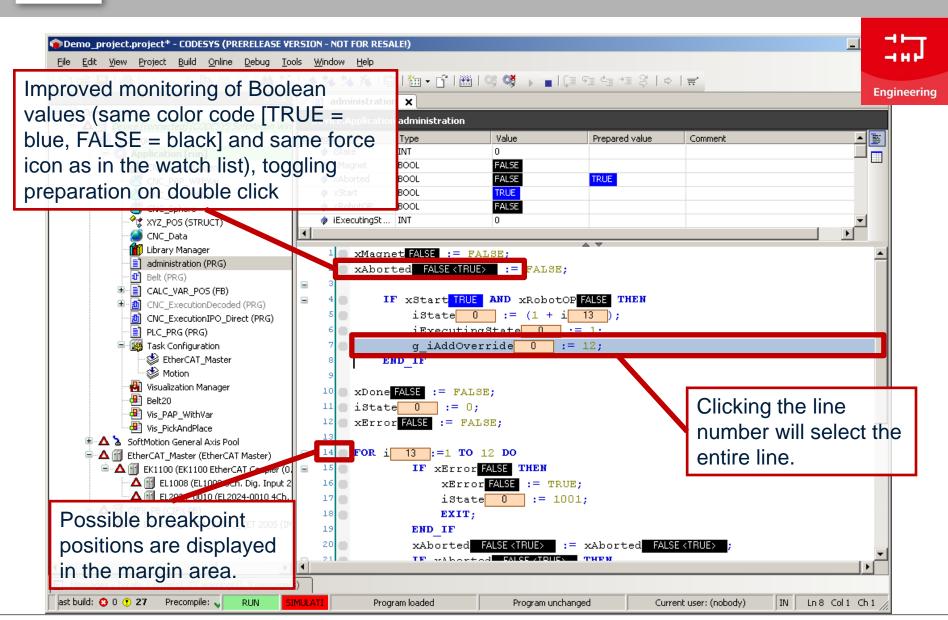


- ST editor
  - Parameter help in a tooltip when entering an opening parenthesis



Truncated monitoring values now shown in a tooltip

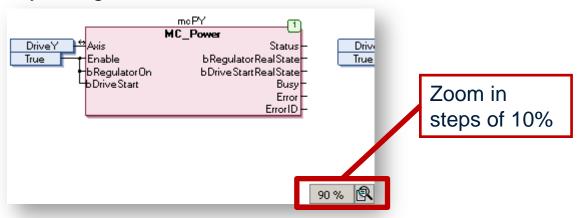








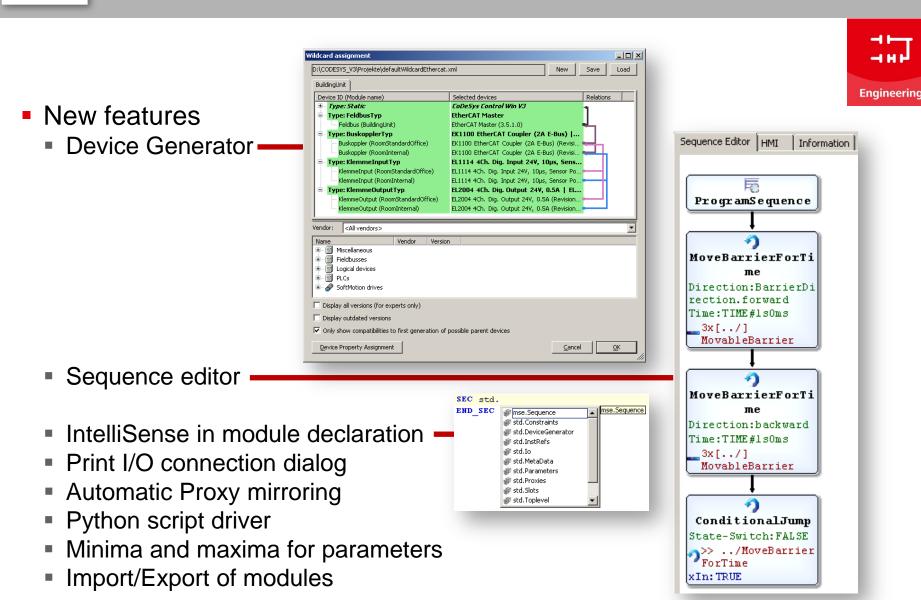
- Graphical editors
  - Improved scrolling capabilities
  - Zooming is now possible by using Ctrl + mouse wheel.



Various other usability improvement



## **Engineering: CODESYS Application Composer**



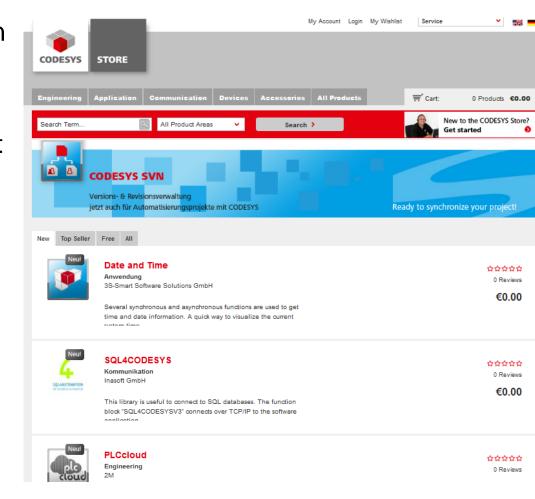


# **Engineering: CODESYS Store - Introduction**

- Online shop for the distribution of commercial and free CODESYS related products
- Content provided by 3S-Smart Software Solutions as well as by third-party-suppliers such as OEM customers or independent companies/users



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# **Engineering: CODESYS Store Content**

Commercial content	Free of charge content
<ul> <li>Application libraries</li> </ul>	<ul><li>Example projects</li></ul>
<ul> <li>Visualization elements</li> </ul>	<ul> <li>Device description files</li> </ul>
<ul> <li>Libs for specific device support, i.e. IO-Link gateway</li> </ul>	<ul> <li>Utility libs</li> </ul>
<ul> <li>Plug-Ins, i.e. integration to version control system</li> </ul>	



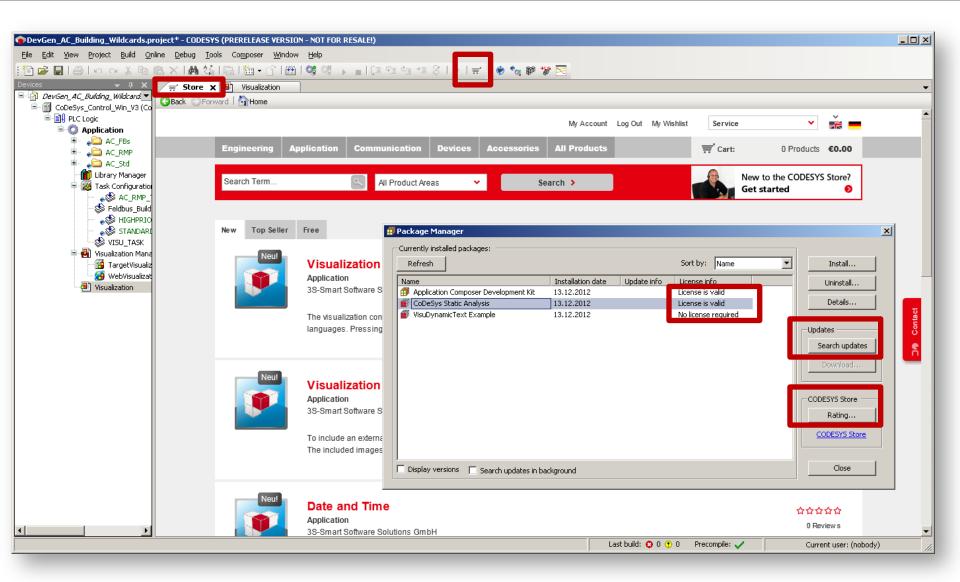
## **Engineering: CODESYS Store - Usage**

- As standard online platform under <a href="http://store.codesys.com">http://store.codesys.com</a>
- Fully integrated in CODESYS as of version V3.5 SP2 including
  - product selection (in the integrated browser)
  - download and installation of products as package directly in the existing CODESYS installation
  - update information on installed products
  - licensing / purchase / rating of products





## **Engineering: CODESYS Store - Usage**





# Agenda





#### **Visualization: Overview**



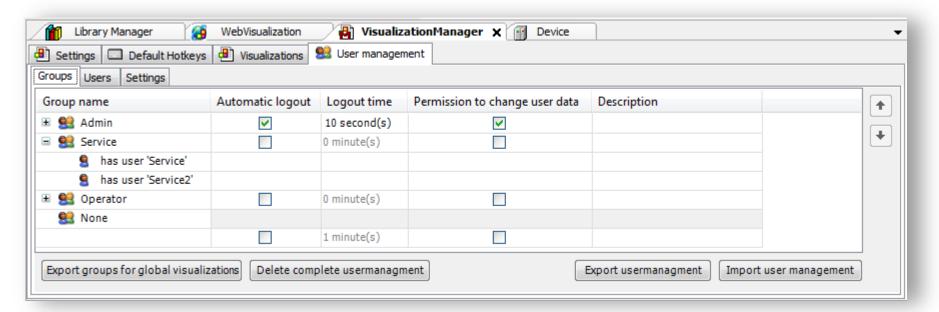
- Preview of the user administration in the visualization
- Usability frame selection improvements
- Multiline messages in the alarm table
- WebVisu JavaScript for all smartphones and tablets
- Revised TraceElement
- Licensing VisuElement Toolkit



#### **Visualization: Preview of User Administration (1)**



 User administration in the visualization – Usage can be restricted for certain user groups.

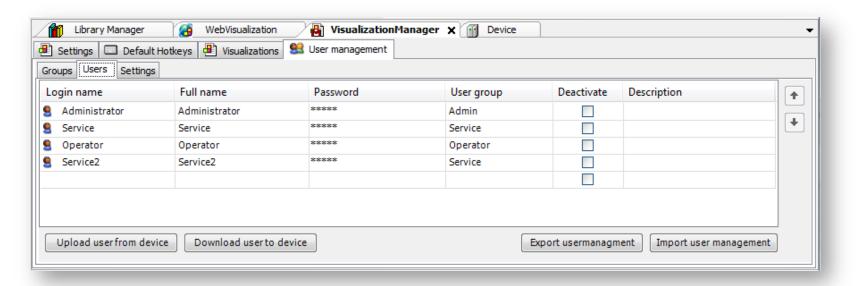




## **Visualization: Preview of User Administration (2)**



- Users can be created and assigned to certain user groups.
- The restriction of rights can be done individually or with a group hierarchy.

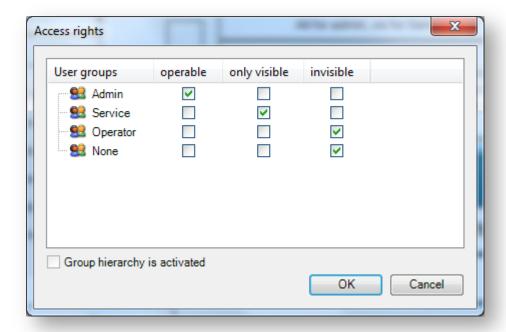




### **Visualization: Preview of User Administration (3)**



It can be individually defined for every single visualization element whether a certain user group can see and/or operate it.

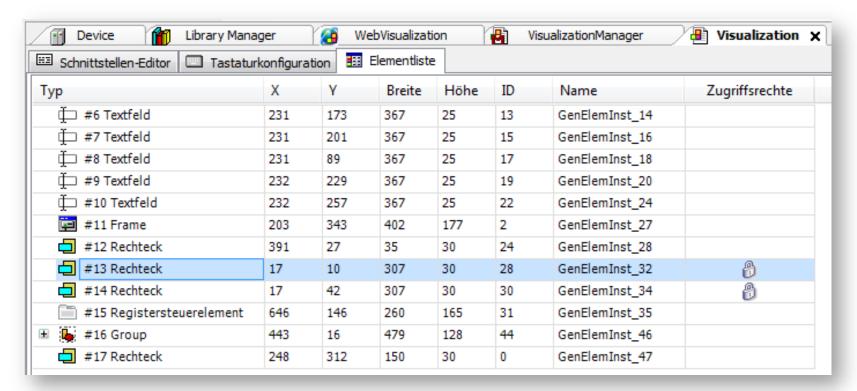




#### **Visualization: Preview of User Administration (4)**



The restricted elements are displayed in the element list in the column access rights.





# **Visualization: Preview of User Administration (5)**



#### User administration online

Login



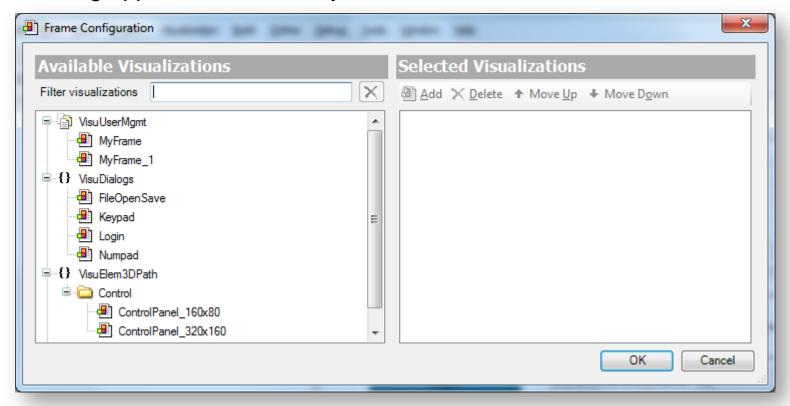
#### Create, edit or delete users User management Username Full name Admin Administrator Service Service v Operator Operator Admin Username: Full name: Administrator Password: Acknowledge password: Admin User group: Deactivated: Ok Cancel



#### **Visualization: Frame Selection**



- Improved frame selection
  - Hierarchical display filter for visualization names
  - Dialog appears automatically when frame element is inserted





#### **Visualization: Alarms**



- Multiline messages in the alarm table
  - Automatic line break if message text cannot be fully displayed
  - Configurable line break

	Timestamp ▼	Message	Timestamp active	Timestamp acknowledge	State	_
1	19.11.2012 10:11:55	Alarm 19 aktiv	19.11.2012 10:11:55		Active	
2	19.11.2012 10:11:52	Alarm 17 aktiv	19.11.2012 10:11:52		Active	
3	19.11.2012 10:11:47	mit 3 Zeilen	19.11.2012 10:11:47		Active	
4	19.11.2012 10:11:45	Alarm 23 aktiv	19.11.2012 10:11:45		Active	
5	19.11.2012 10:11:29	Alarm 11 aktiv mit sehr langem Text, der automatisch umgebrochen werden soll und ietzt noch ein wenig länger ist	19.11.2012 10:11:29		Active	



#### **Visualization: Misc**



- Licensing VisuElement Toolkit Dongle required from CODESYS V3.5 SP2
- Revised TraceElement
  - From CODESYS V3.5 SP2: connection to CmpTraceManager from the runtime system
  - New PlotLib:
    - → Better looking scales
    - → More functionality Display of the metering points
    - → Separate configuration the trace element is no longer tied to the trace object



#### Visualization: HTML5 WebVisu



 WebVisu HTML5 + JavaScript – Executable on all standard browsers => on smartphones and tablets, too







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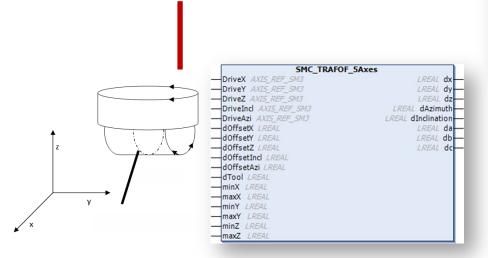
Done

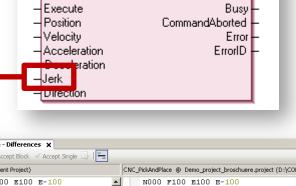


#### Motion



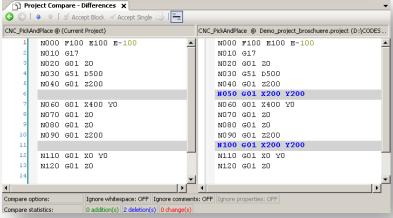
- New drivers for the following drives:
  - Stöber SD6
  - Parker SBC
- CNC editor: Project Compare
- CNC: Block search
- Transformation: 5-axis transformation





MoveAxisA MC\_MoveAbsolute

**⇔**Axis





#### **Inspiring Automation Solutions**

Thank you for your attention.