

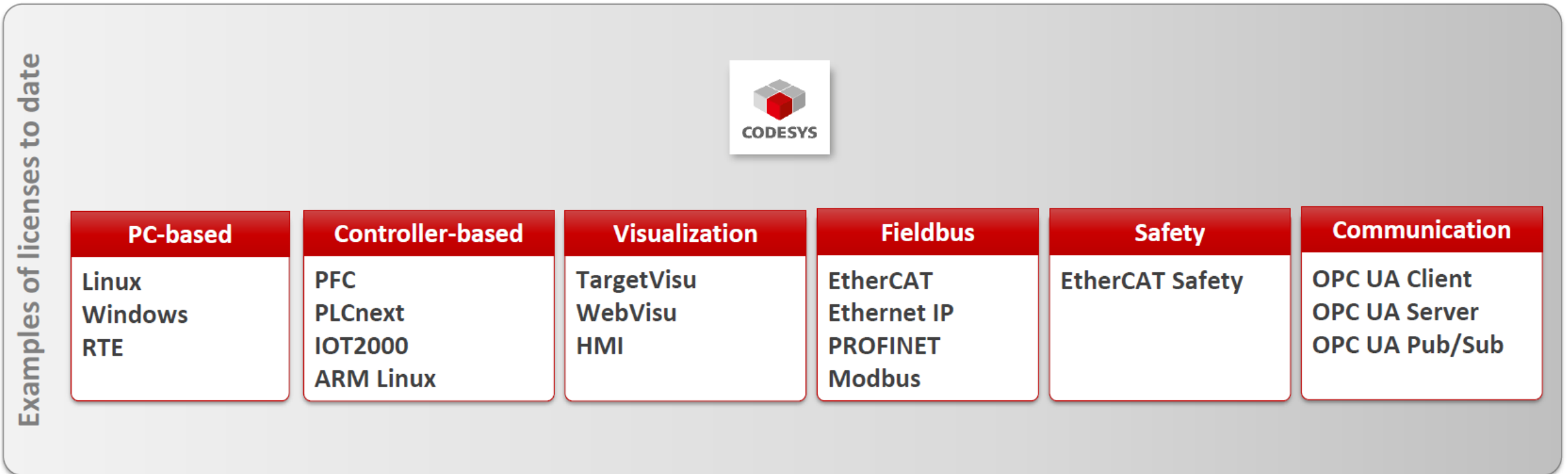
# CODESYS RUNTIME

## Control SL

**CODESYS Feature Briefing, March 2024**  
**Domenik Vögel, Product Management**

**1****Application-Based Licenses****2****CODESYS Virtual Control SL****3****CODESYS Control for Raspberry Pi SL****4****CODESYS Control for Linux SL**

## Previous approach



- License prices depended on the performance of the used hardware.

## New approach

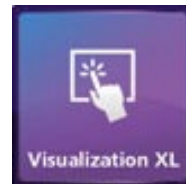
	Control Basic S	Control Basic M	Control Basic L	Control Standard S	Control Standard M	Control Standard L	Control Performance M	Control Performance L
Fieldbuses		2 x CANopen/ Modbus/PROFIBUS Instances/J1939	2 x CANopen/ Modbus/PROFIBUS Instances/J1939	4 x CANopen/ Modbus/PROFIBUS Instances/J1939	8 x CANopen/ Modbus/PROFIBUS Instances/J1939	10 x CANopen/ Modbus/PROFIBUS Instances/J1939	12 x CANopen/ Modbus/PROFIBUS Instances/J1939	16 x CANopen/ Modbus/PROFIBUS Instances/J1939
Ethernet based Fieldbuses				1 x ECAT/EIP/PN* Instance	1 x ECAT/EIP/PN* Instance	2 x ECAT/EIP/PN* Instances	4 x ECAT/EIP/PN* Instances	8 x ECAT/EIP/PN* Instances
I/O Channels	64	128	256	512	1,024	4,096	8,192	16,384
Dynamic C-Code				Dynamic C-Code	Dynamic C-Code	Dynamic C-Code	Dynamic C-Code	Dynamic C-Code
Task Group Assignment	no	no	no	no	no	yes	yes	yes
Code Size	512 kB	1 MB	3 MB	3 MB	5 MB	6 MB	12 MB	18 MB

\* EtherCAT, Ethernet/



### YOUR ADDITIONAL OPTIONS

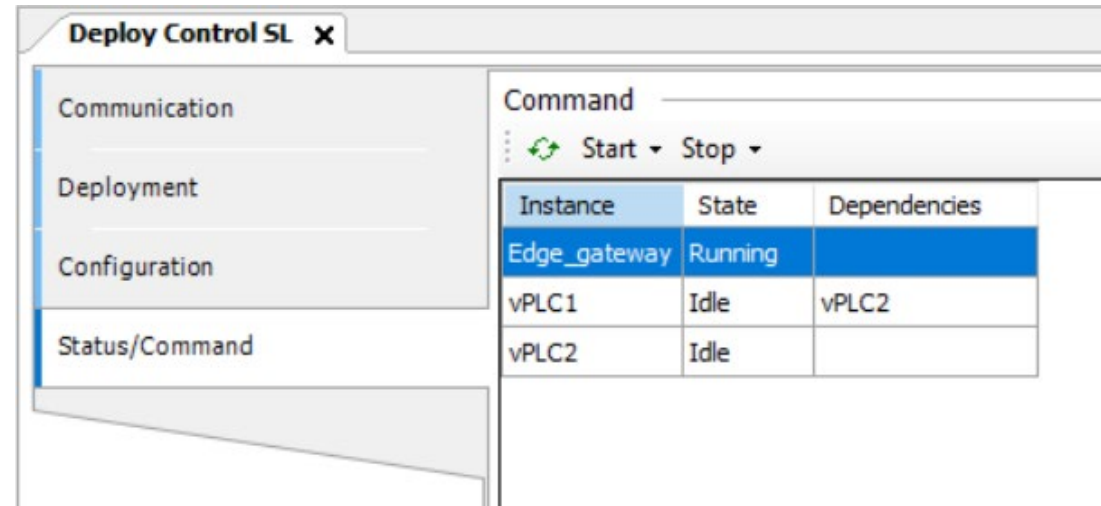
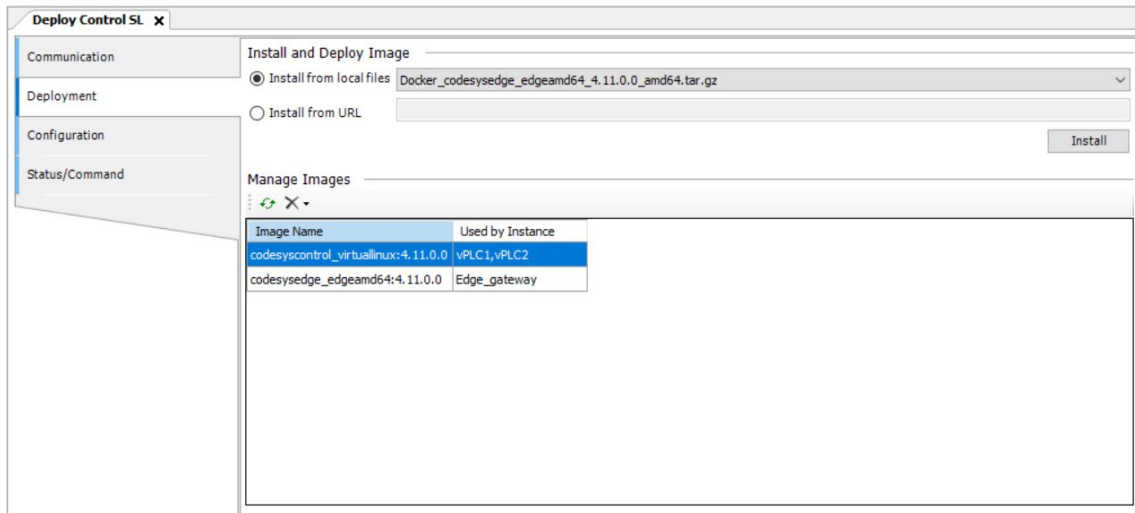
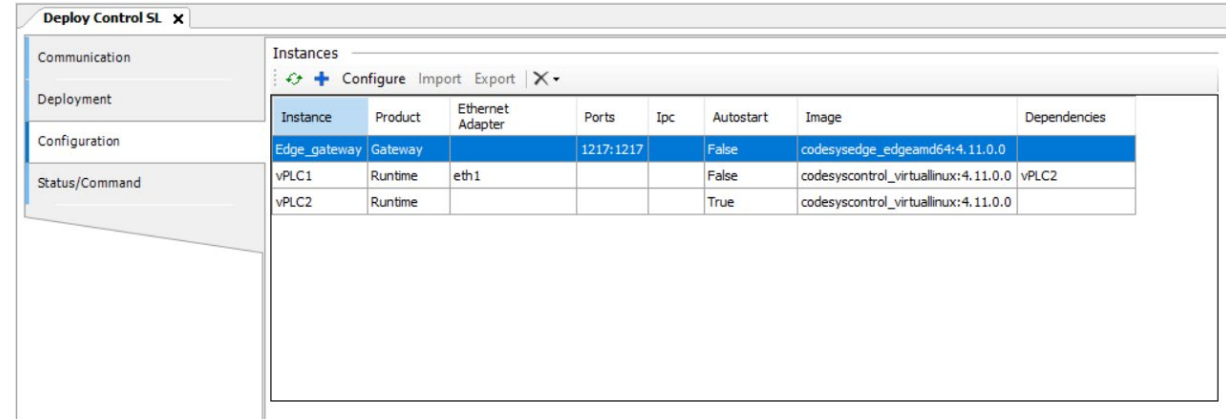
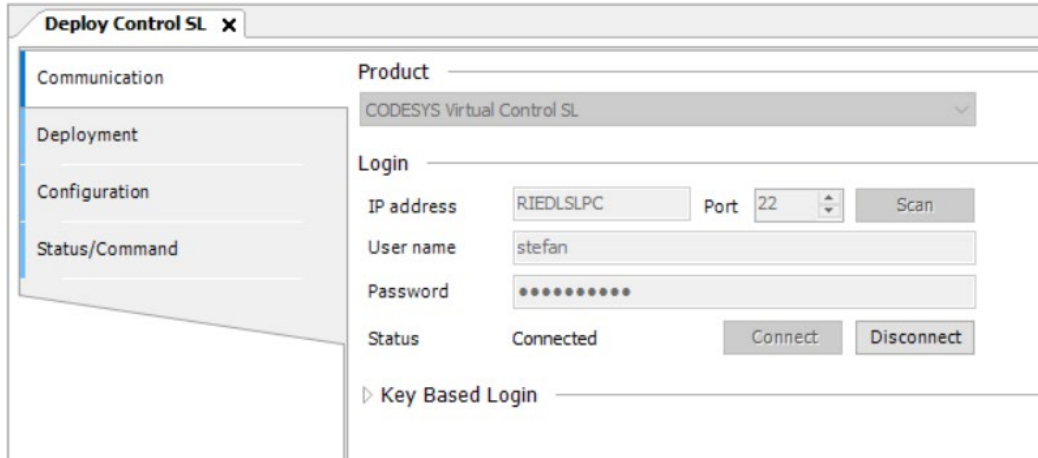
Extend your solution according to your individual requirements.



## Improvements

- **Support of ARM and ARM64 CPUs**
- **Improved robustness**
- **Start/stop of PLC instances respects dependencies**
- **Support of app-based and network licenses**

## Deploy Tool UI



## Release

- Based on SDK V3.5 SP20 Patch 1
- Planned for V4.13.0.0. on 26 June 2024

## More compatibility

- Support of 64-bit Raspberry Pi OS
- Support of Raspberry Pi 5

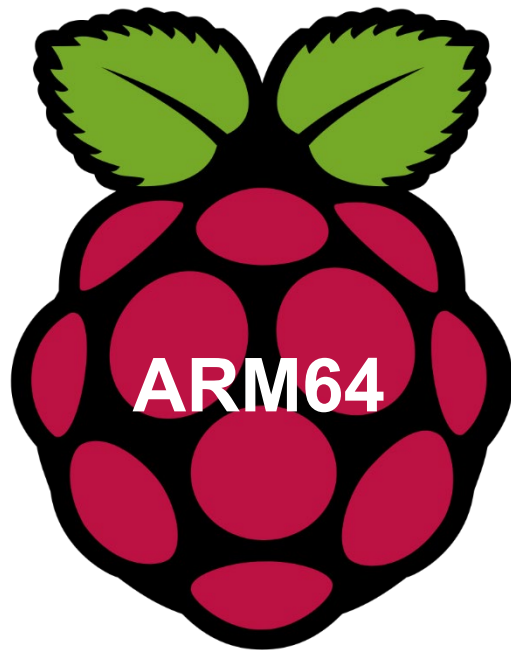


Image: [www.berrybase.de](http://www.berrybase.de)



## **Improvements and new features**

- **Support of communication protocol DNP3**
- **Linux Target Visu**
- **Web-based management**



# Thank you for your attention!

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