





AUTOMATION SERVER

The Industry 4.0 platform

Device management. Engineering. Data analysis.

CODESYS Feature Briefing | Spring 2024, March 20 Martin Decker, Product Manager

Recent developments

+

Future developments

Remote control: start, reset, stop applications

Requirement

- Remote change of the execution state of a PLC
- Display of applications on the PLC
- No need for the CODESYS Development System
- No need to log in to a PLC

Solution

Control panel to start, stop and reset applications in defined ways directly from the browser

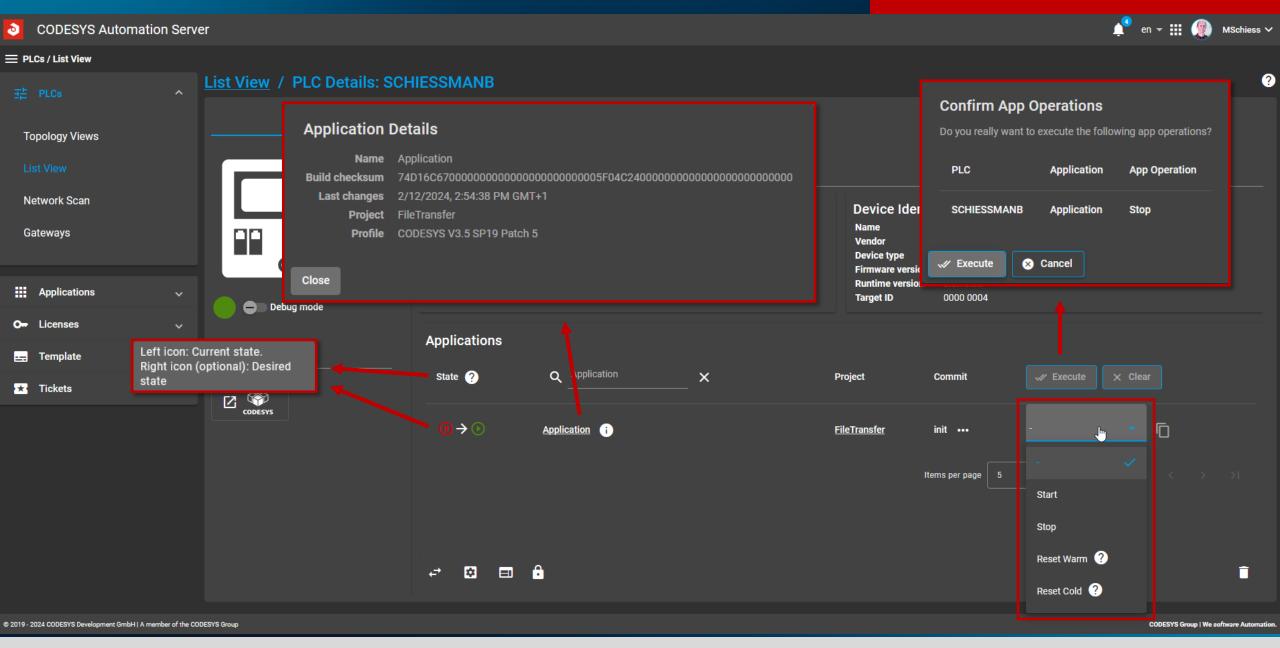
Benefit

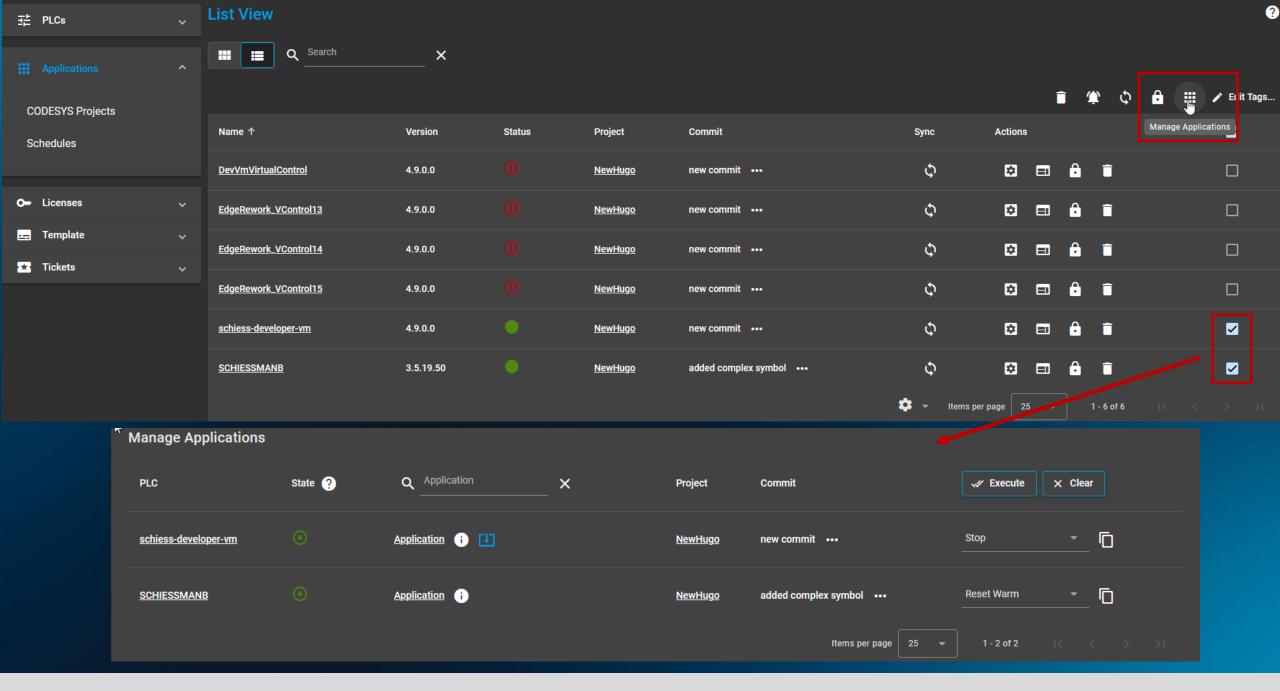
- Application control by any device with a browser
- High time savings











File transfer via remote WebVisu (1.33.0)

Requirement

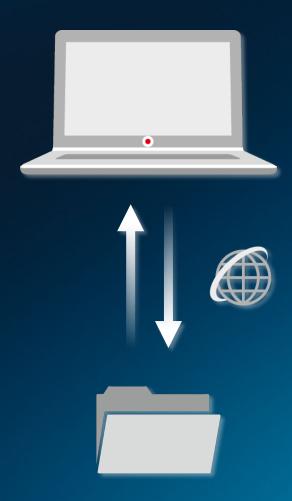
Transfer files securely between PLC and remote WebVisu client

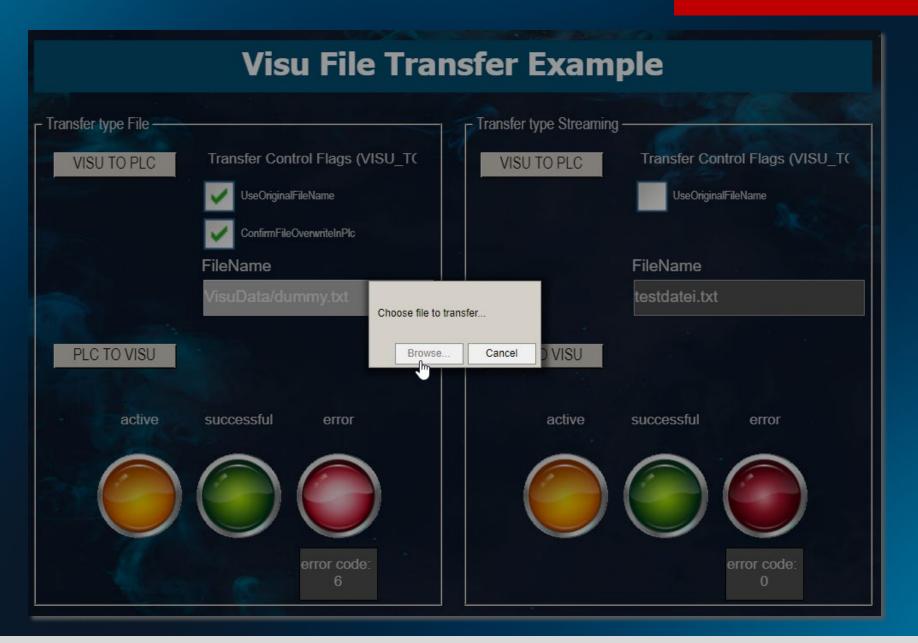
Solution

- Remote file transfer via WebVisu allowed for runtime version ≥ 3.5.18.0
- Configuration prerequisite: [CmpWebServerHandlerV3] AllowFileTransferServices=1

Benefit

- Easy remote file exchange via WebVisu
- Secure due to binding to device user management





CODESYS Edge Gateway replacement

Requirement

- Move PLC to another or new Edge Gateway
- Keep existing Edge Gateway

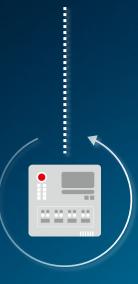
Solution

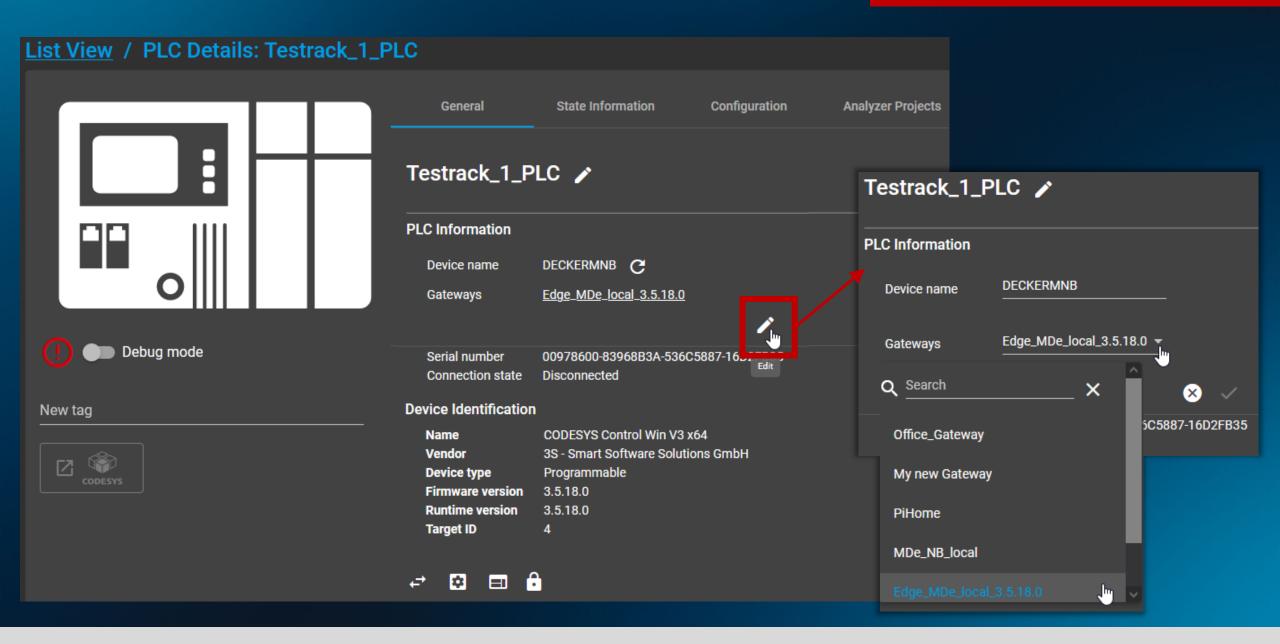
Edge Gateway change via drop-down menu

Benefit

- Keep existing PLCs despite changes to connection or name.
- Easy transition from test to productive operation







Edge communication rework [back end]

Requirement

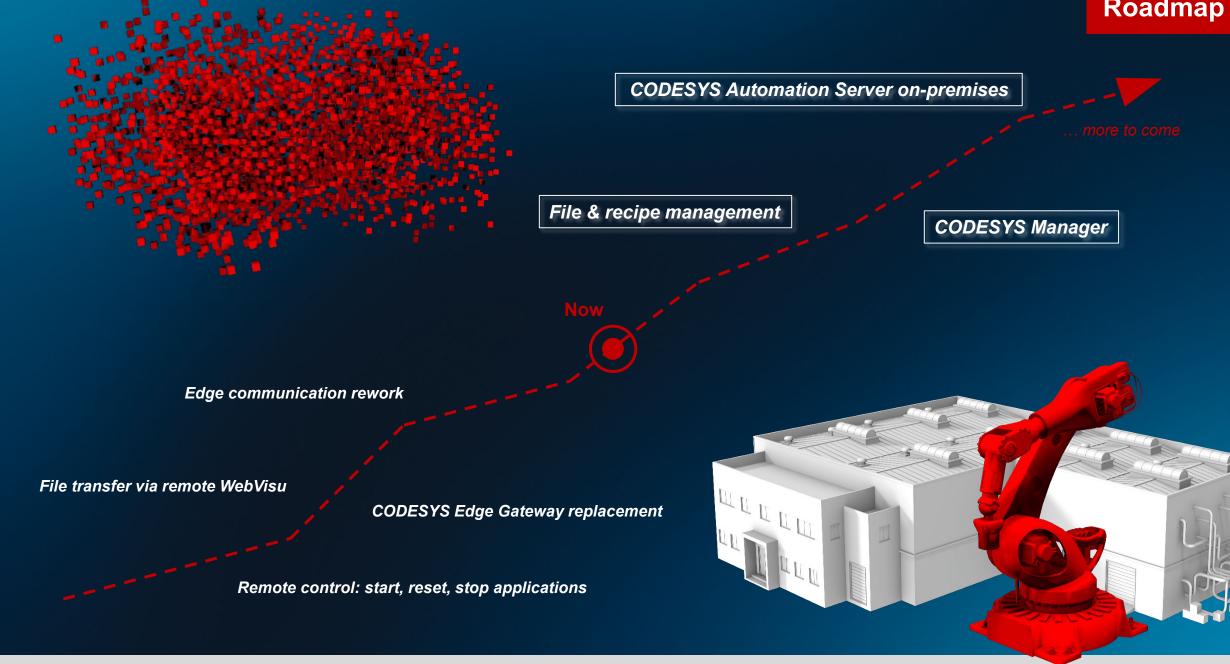
- State-of-the-art communication service between Automation Server and Edge Gateways
- Higher scalability
- Better maintainability

Solution

Complete re-implementation of the service

- Increased stability
- Easier extensibility





File & recipe management [work in progress]

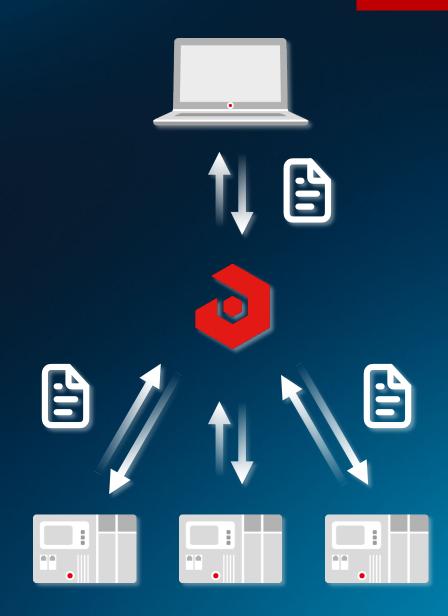
Requirement

- Manage files on PLCs remotely
- Usage of custom files supplementing applications

Solution

- Extensive file management possibilities
- Development in three stages
 - File transfer to PLCs
 - II) Deployment of additional files & central file management
 - III) Backup & restore of files

- Control of recipe management from the browser
- Enhanced capabilities through support of user-defined files on PLCs



CODESYS Automation Server on-premises + CODESYS Manager [work in progress]

Requirement

- Sovereignty over infrastructure and data
- Air gap operation
- Compliance with defined security requirements

Solution

Locally self-hosted CODESYS Automation Server

- Full control (and responsibility) over the entire system.
- Independence from third parties
- No internet connection necessary







Enjoy the new features!

www.automation-server.com

Clips.codesys.com

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