



CODESYS ENGINEERING Professional Developer Edition

CODESYS Feature Briefing, March 2024
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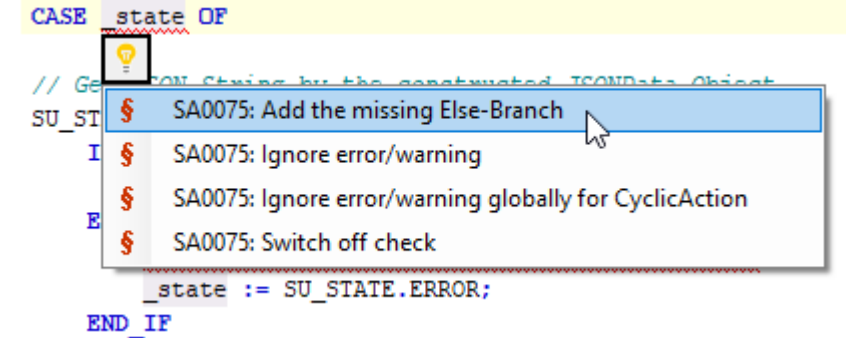


Release of version 5.0 planned for second quarter 2024

- **Will require CODESYS V3.5 SP20**
- **Release was planned for end of 2023**
 - Had to be delayed until after the release of V3.5 SP20 due to dependency

Quick fixes

- **Goal of V5.0: immediate feedback and support during application development**
- **Many new quick fixes supported**
 - Thirteen new quick fixes for existing rules
- **Saves developer time by applying the obvious solution**



The screenshot shows a code editor with a yellow highlight on the line `CASE state OF`. A lightbulb icon indicates a static analysis error. A context menu is open, listing four quick fix options for rule SA0075: "Add the missing Else-Branch", "Ignore error/warning", "Ignore error/warning globally for CyclicAction", and "Switch off check". The code below the error is:

```
SU_ST
I
E
    _state := SU_STATE.ERROR;
END_IF
```

CODESYS SVN will be discontinued.

- **A final release will be made in Q2 2024.**
 - Many security issues fixed by upgrading the Subversion libraries to using OpenSSL V3
- **After that, it will remain available for three years.**
 - No new features anymore
- **After three years (2027), it will no longer be available for new CODESYS versions.**
- **CODESYS Git can be used as alternative.**

Support CODESYS *go!* as project storage format (to be developed during 2024)

- **CODESYS V3 will be able to export project objects to CODESYS *go!*.**
 - Usage of new text file based storage format
- **Also possible to re-import supported objects**
- **CODESYS *go!* uses plain text and human-readable storage**
 - Not supported for all types of objects initially
 - Fallback solution is to use xml export format known from CODESYS V3

Support CODESYS *go!* as project storage format (to be developed during 2024)

- **Text file based project storage will be available for other use cases**
 - Exchange with CODESYS *go!*
 - Simplified automatic generation of projects (without PLCopen XML)
- **Foundation for future Git versions in the Professional Developer Edition**



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