

End-to-End Communication Protection Transformer Release Notes

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Revision Chart

A revision is a new edition of the document and affects all sections of this document.

Version	Date	Responsible Person	Modification
1.5.0	16.05.2014	AWO	Version for Prototype Release 1.5.0 (initial for E2E-Transformer)
1.5.1	18.06.2014	AWO	Version for Prototype Release 1.5.1
1.5.2	26.06.2014	AWO	Version for Prototype Release 1.5.2
1.5.3	24.07.2014	AWO	Version for Prototype Release 1.5.3
2.0.0	19.12.2014	AWO	Version for Release 2.0.0
2.0.1	06.03.2015	AWO	Version for Release 2.0.1
2.0.2	20.03.2015	AWO	Version for Release 2.0.2
2.1.0	29.07.2015	AWO	Version for Release 2.1.0

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1 Overview

This document lists the artifacts, versions and change history of the End-to-End Communication Protection Transformer.

Note: The E2E Transformer release version is a free running version number which is incremented each time an artifact of the E2E Transformer package is updated. The version number of single components of the package may therefore differ to the package version number.

1.1 Abbreviation and glossary

Acronym/Term	Meaning
E2Elib	End-to-end library (an Autosar module for end-to-end protection)
E2EXf	E2E communication protection Transformer
Preprocessor	Command line tool to extract configuration data from AUTOSAR XML files and generate an intermediate, human-readable format.
CfgGenerator	Command line tool to generate the actual configuration files (Header and Source-code files) for the E2EXf embedded code.
RTE	RunTime Environment – see AUTOSAR specification

2 Contents of the release

The following table lists all files of the End-To-End Communication Protection Transformer and the corresponding version.

Directory/file	Version
E2EXf.h	2.0.1
E2EXf_Cfg.h	2.0.1
E2EXf.c	2.0.1
e2exf_preprocessor.exe	2.1.0
LICENSE	2.1.0
e2exf_cfggen.exe	2.0.1
LICENSE	2.0.1
ReleaseNotes_E2EXf.pdf	2.1.0

3 Change History, known Limitations

3.1 E2EXf embedded code, E2EXf CfgGenerator, E2EXf Preprocessor

Release 2.1.0

- e2exf_preprocessor: added support for configuring E2Elib profiles 1 and 2 for use with E2EXf.

Release 2.0.2

- e2exf_preprocessor: fixed determination of communication direction for Client/Server extension.

Release 2.0.1

- e2exf_preprocessor: Added support for Client/Server extension in AUTOSAR MetaModel 4.0.x/4.1.x.
- E2exf_cfggen: Now uses <swc>_MemMap.h for SW-C related variables and constants in generated E2EXf_LCfgen.h and E2EXf_LCfgen.c files.

Release 2.0.0

- Initial release to support full feature set as defined in final AUTOSAR Release 4.2.1 specification.

Release 1.5.3

- e2exf_cfggen: Fixed missing initialization of StateMachine in init-function; only relevant if init-function is crucial for initialization, e.g. if static initialization is not done/supported by compiler/platform.
- e2exf_cfggen: Fixed usage of NULL instead of NULL_PTR: NULL is not defined in AUTOSAR.
- e2exf_cfggen: Fixed minimum valid value for MaxDeltaCounterInit for Profile 4. The value 0 was allowed, but does not make sense. The new minimum valid value is 1.

Release 1.5.2

- Minor fixes in tool chain support and embedded integration

Release 1.5.1

- Renamed from E2ET to E2EXf according to change in AUTOSAR specification
- Adapted all API and internal functions, call signatures.
- Adapted all tools, now also call-compatible with already existing E2EPW tools.

Release 1.5.0

- Prototype implementation of E2ET embedded code.
- Prototype implementation of E2ET CfgGenerator.
- Prototype implementation of E2ET Preprocessor.

3.2 Known Limitations E2EXf Preprocessor

- Tooling interface and configuration file format may still change for compatibility reasons.
- E2EXf preprocessor currently only supports extended AUTOSAR 4.0.x and 4.1.x MetaModel due to unavailability of input according to AR 4.2.1.
- Needs EndToEndProtection to be extended with ADMIN-DATA for Transformer, Profile, and StateMachine configuration data (proprietary).

3.3 Known Limitations E2EXf CfgGenerator

- None

3.4 Known Limitations E2EXf embedded code

- None.