



Elektrobit

EB tresos[®] AutoCore Generic 8 EcuExtractUpdateCore documentation

Module release 0.0.129





Elektrobit Automotive GmbH
Am Wolfsmantel 46
91058 Erlangen, Germany
Phone: +49 9131 7701 0
Fax: +49 9131 7701 6333
Email: info.automotive@elektrobit.com

Technical support

<https://www.elektrobit.com/support>

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1. Overview

Welcome to the EcuExtractUpdateCore product release notes and documentation.

This document provides:

- ▶ [Chapter 2, “EcuExtractUpdateCore module release notes”](#): details of changes and new features in the current release
- ▶ [Chapter 3, “EcuExtractUpdateCore user's guide”](#): concept information and configuration instructions
- ▶ [Chapter 4, “EcuExtractUpdateCore module references”](#): configuration parameters and the application programming interface

2. EcuExtractUpdateCore module release notes

- ▶ Module version: 0.0.129.B567464
- ▶ Supplier: Elektrobit Automotive GmbH

2.1. Change log

This chapter lists the changes between different versions.

Module version 0.0.81

2020-08-21

Module version 0.0.74

2020-06-01

Module version 0.0.65

2020-04-01

Module version 0.0.64

2020-03-12

- ▶ Inclusion of documentation.
- ▶ EcuExtractUpdater : Use latest AUTOSAR version as default AUTOSAR version

2.2. New features

2.3. Elektrobit-specific enhancements

This module is not part of the AUTOSAR specification.

2.4. Deviations

This module is not part of the AUTOSAR specification.

2.5. Limitations

This chapter lists the limitations of the module. Refer to the module references chapter *Integration notes*, subsection *Integration requirements* for requirements on integrating this module.

- For this module no limitations are known.

2.6. Open-source software

Open-source software information is not available for this module.

3. EcuExtractUpdateCore user's guide

3.1. Overview

The `EcuExtractUpdateCore` allows the user to apply the "patches" to the given ARXML file. These patches are not necessarily fixes of "bugs" in the arxml. They can also be convenience changes to help in an integration, like automatically creating a toplevel composition with datamappings for all signals.

3.2. Limitations

The please note that the patches only had be tested with a few arxmls that had been available at the time of implementation. Due to the complexity of arxmls it is not possible to foresee all things that could change in the input arxml in the future. If some inputs change in a way that the assumptions of the patch are no longer true, it might lead to unitnended behavior. The project has to check the results regularly.

3.3. How to use `EcuExtractUpdateCore`

The tool operates in pure commandline mode. it is called via `<InstallDir>\tools\EcuExtractUpdate\EcuExtractUpdate.bat {arguments}`

3.4. Configuring `EcuExtractUpdateCore`

The tools takes complex arguments to controll the behavior of the patches as well as to define what arxml to patch. For how to give arguments and general arguments (including how to add arxmls to patch) please refere to `ArtopCmd` documentation

3.4.1. Configuring patches

Patches to be executed are added as Arguments. For details how to add patches see argumenst description of "Patches". For details about the patch specific arguments please check the extensions own documentations.

3.4.2. Tool Arguments

The EcuExtractUpdate takes all arguments from the ArtopCmd plus the specific ones listed here. For the general once, please refer to the ArtopCmd documentation

► **Patches** (List)

List of patches to be applied to the arxmls.

They will be executed in the order the arguments are given. Every patch will operate on the changes the previous patches did, therefore the order can be relevant depending on what the patches are doing.

If a Patch is given twice, only the first instance is considered for the order. Any subarguments of the 2nd instance are then added into the first one.

Patches are provided by extension plugins. The available patches depend on installed plugins. For the details of the patches, please check the patch provider individual documentations.

4. EcuExtractUpdateCore module references

EcuExtractUpdateCore configuration parameter reference is not available.

EcuExtractUpdateCore API reference is not available.

4.1. Integration notes

4.1.1.1. EcuExtractUpdateCore dependencies

The usage of the module depends on the following other modules

- ▶ ArtopLib
- ▶ ArtopCmd