

Vijay

From: Sudheendra Desai <Sudheendra.Desai@kpit.com>
Sent: 18 January 2023 6.58 PM
To: vijay_nathani@yahoo.com
Subject: KPIT: Vision Statement

Hi Vijay,

Overview:

The c4k CLI is tool to read adaptive AUTOSAR software components from arxml file and generates *.cpp code and *.json files.

Goals

1. Read selected software components from arxml file, configuration file and validate it
2. Generate *.cpp code and .h files for software components
3. Generate *.json files for software components

Stakeholders

Tool team, module team and customer team

Features:

1. Code generation will be done for module wise
2. The generators and its sub generators should be configurable in configuration
3. Software components will validate before code generation

Constraints

1. Configuration file should be needed for code generation
2. Input arxml files should be configurable from authorized adaptive AUTOSAR tool(avoid manual editing)
3. Follow adaptive software specification documents

References

1. Adaptive AUTOSAR software specification documents

Regards,
Sudheendra

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