Proposal for a WP6: Build-Framework (Conti/RB)

Contents of WP6:

- Build-Framework as a platform that handles the build-control-flow
- Approach of reusable processing components
- Configurated set of processing components defines the SW-Build environment

Goals of WP6 with Build-Framework:

- Grouping of single processing components to a processing-group shall be supported
- Build-Chain shall have reproducible and reliable behaviour:
  - Framework & Processing components have to be reproducible
- Framework shall support
  - analysis of dependencies, row-order
  - parallelisation (Multi-Core support)
- Eclipse/Java based
- Integratable in Eclipse-IDE
- Also headless mode shall be possible
- Shall support Autosar concepts (BAMF)
- Support of object model based processing (e.g. Code-generation from Artop)
- Layered architecture
- Configurable in terms of additional processing tools
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Vision / Strategy
Common Platform for constructing SW Build Environments

- SW Build\textsubscript{1}
- \ldots
- SW Build\textsubscript{n}

Business Unit (BU) specific processing components

Pool of reusable processing components

Build FrameWork (BFW)
Common SW Build platform (Eclipse/Java)