



Visionary Usage of Build FrameWork at Bosch

Arne Gfell, Robert Bosch GmbH

EclipseCon Unconference, Toulouse, France, 17th June 2014

Cross Divisional Group - Software, Methods and Tools

CDG-SMT/EMT | 11/03/2014 | © Robert Bosch GmbH 2014. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution, as well as in the event of applications for industrial property rights.



BOSCH

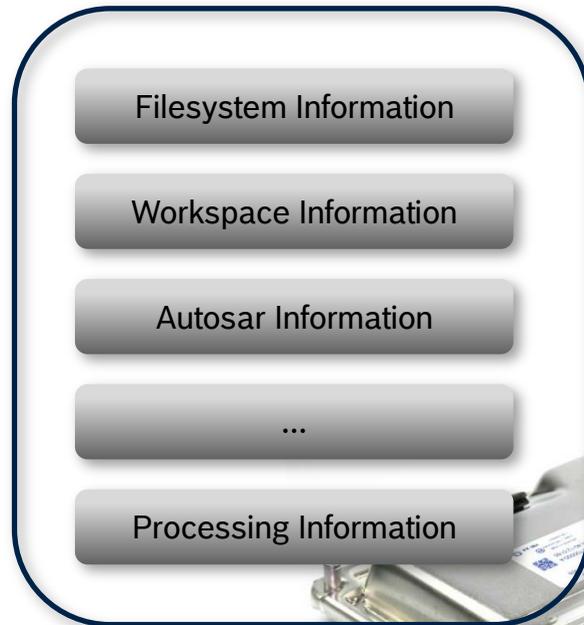
Agenda

- **Model Based Software at Bosch**
- Basic Concept of Build Framework
- Build Framework Demonstrator
- Vision Software Sharing



Model Based Software at Bosch

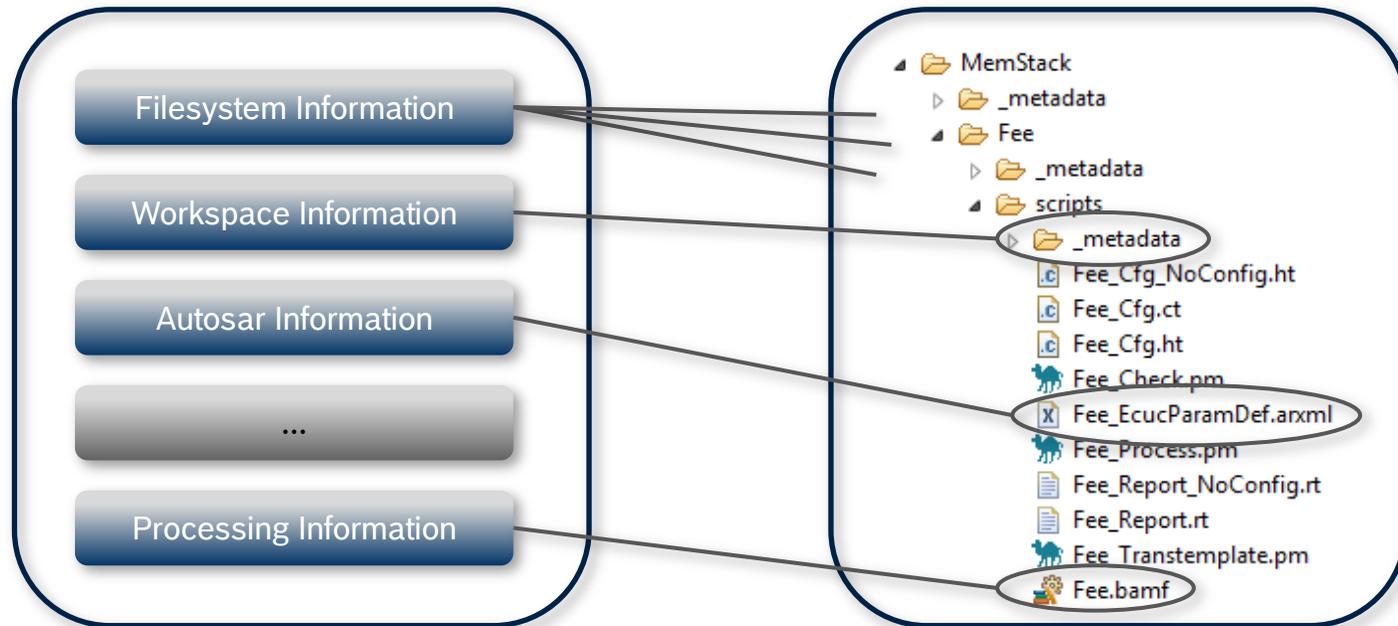
ECU – Project Content



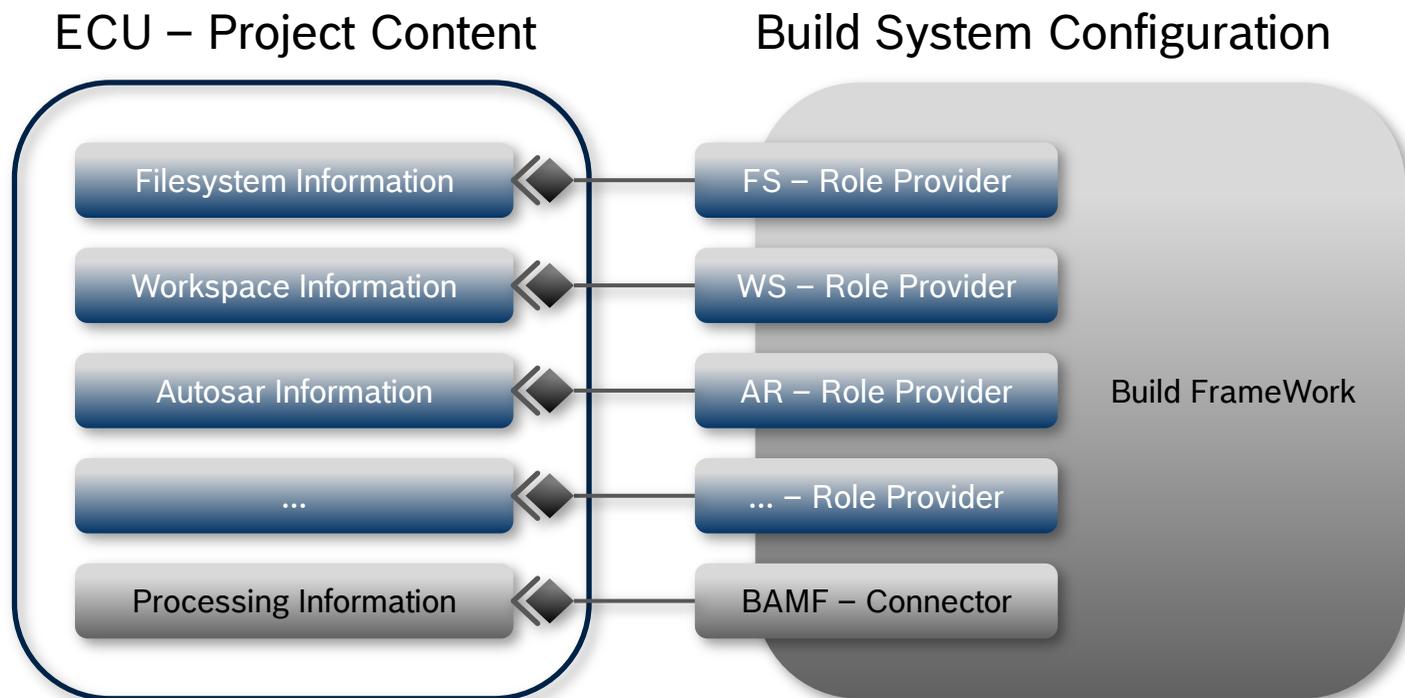
- Standardized Content / Interfaces
- Self Contained Information
- Usable for software sharing and ECU development

ECU – Project Content at Bosch

ECU – Project Content



BFW Configuration at Bosch



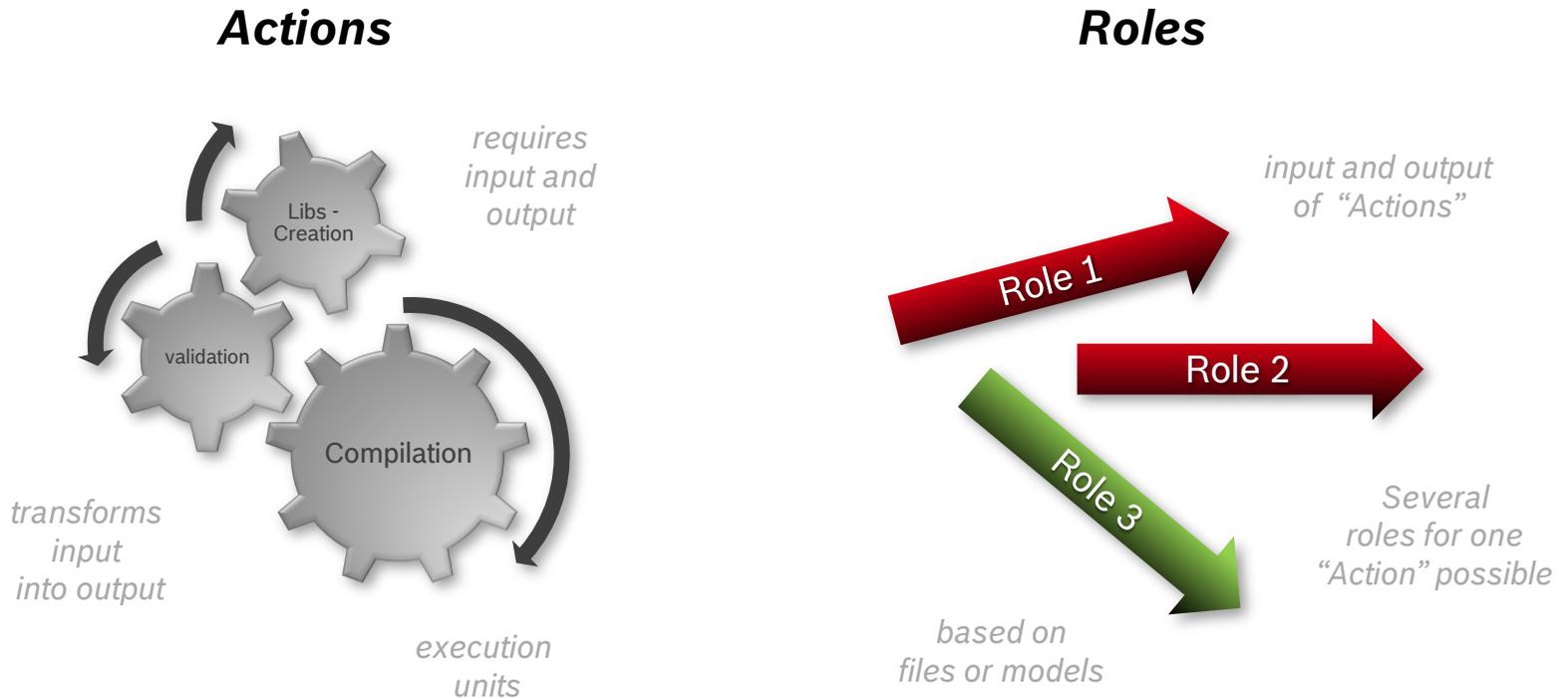
Agenda

- Model Based Software at Bosch
- **Basic Concept of Build Framework**
- Build Framework Demonstrator
- Vision Software Sharing



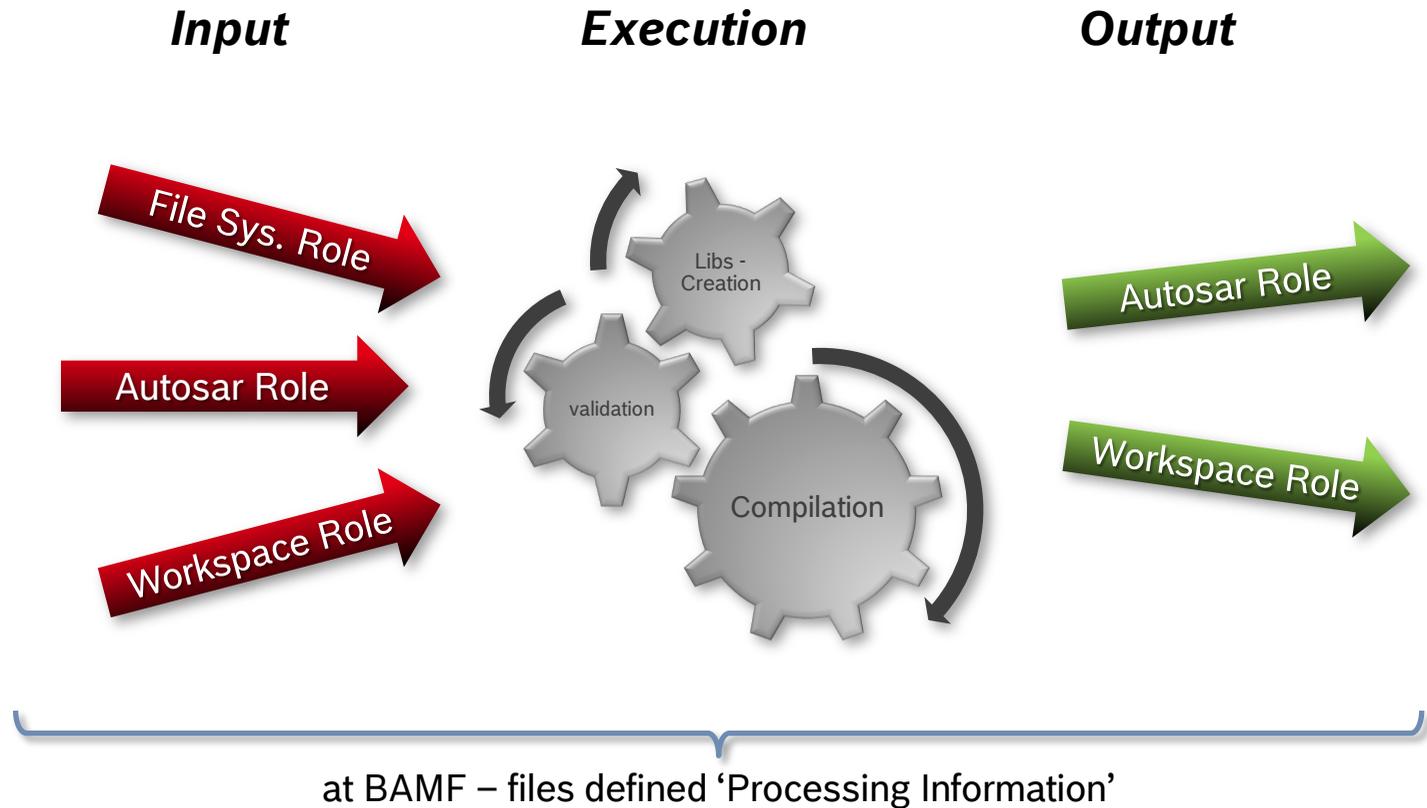
Basic Concepts of Build Framework

The basic elements of the Build Framework are:



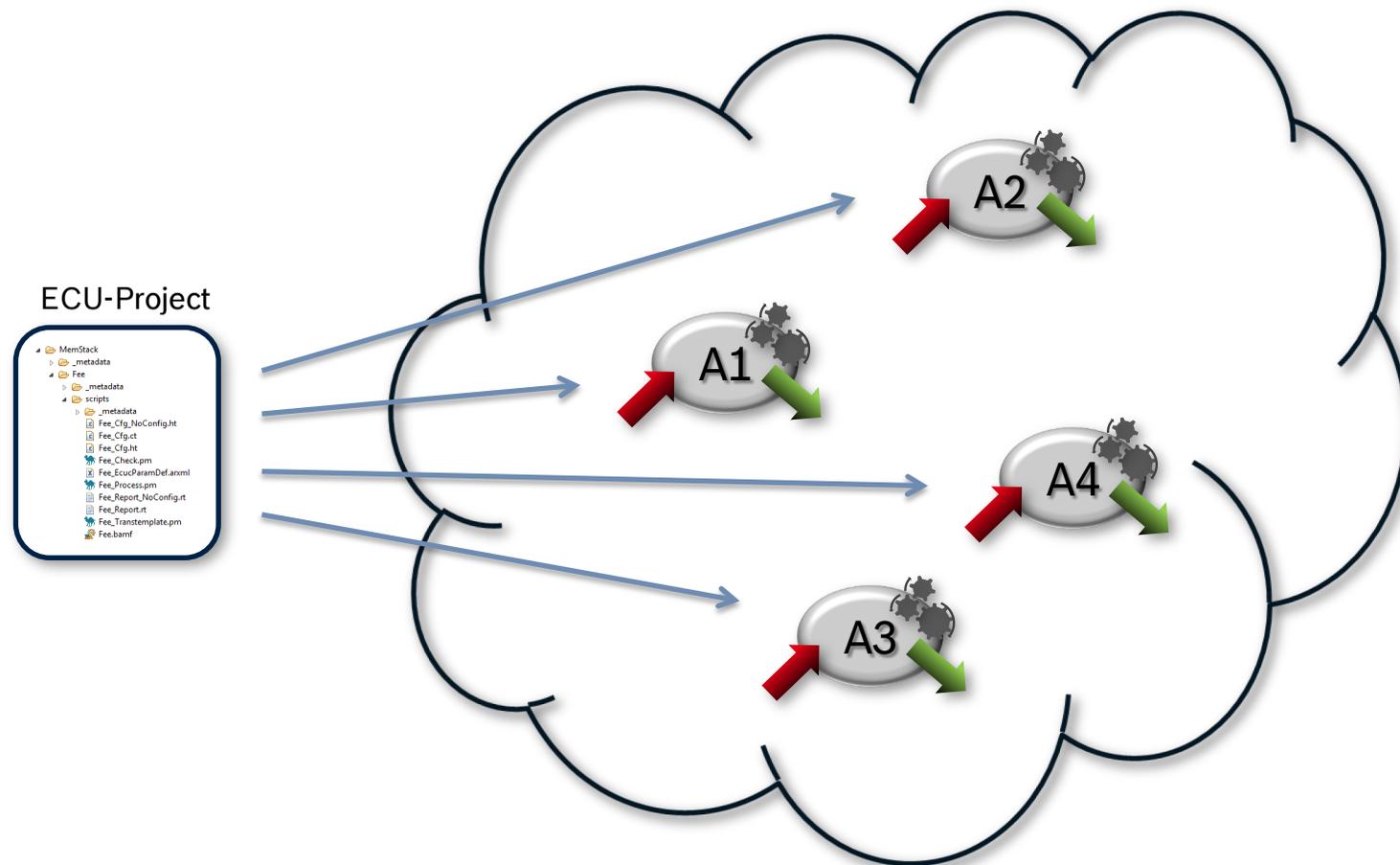
Visionary Usage of Build FrameWork at Bosch

Actions and Roles in Combination

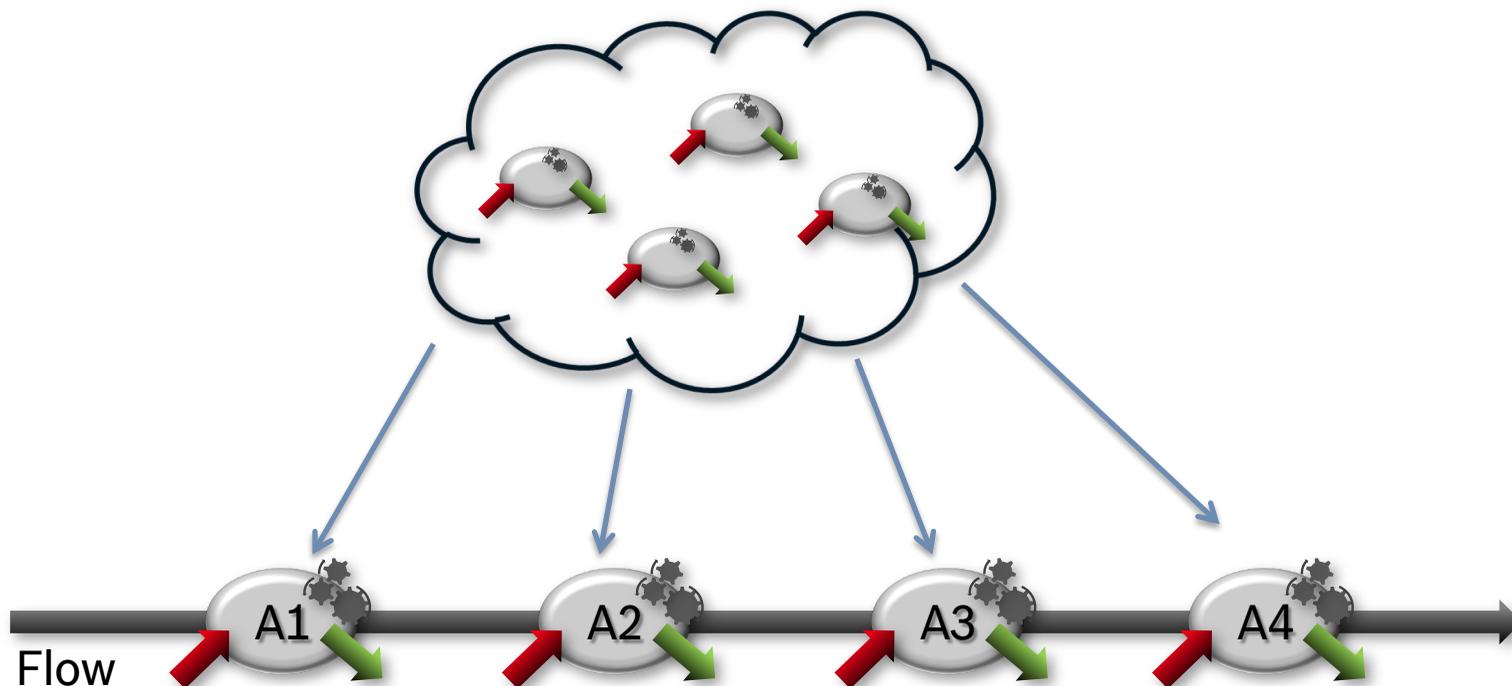


Visionary Usage of Build FrameWork at Bosch

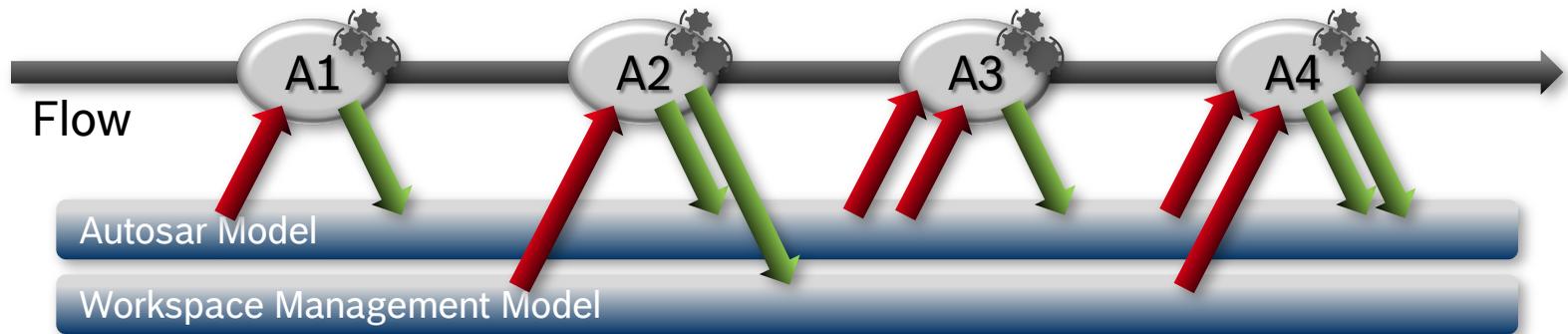
Set of 'Action and Role Associations'



Flow Calculation by Build FrameWork



Build FrameWork Flow Control Sequences



Agenda

- Model Based Software at Bosch
- Basic Concept of Build Framework
- **Build Framework Demonstrator**
- Vision Software Sharing

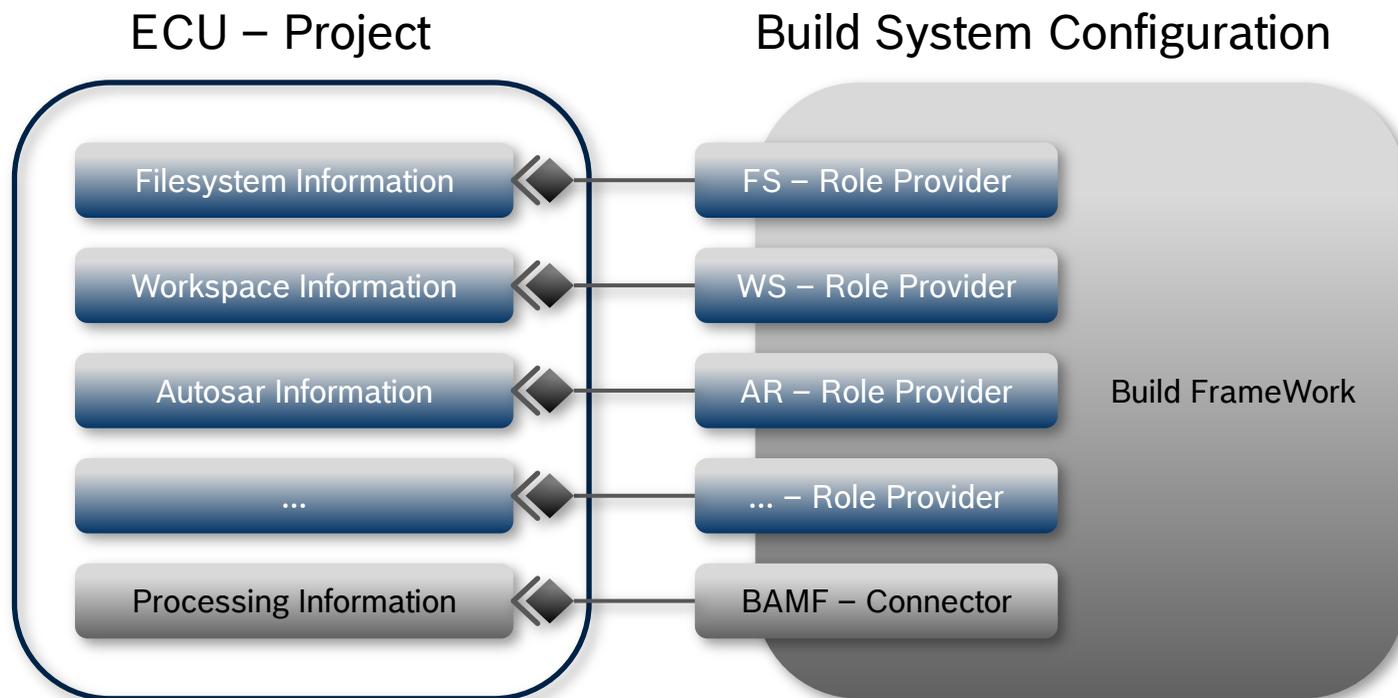


Agenda

- Model Based Software at Bosch
- Basic Concept of Build Framework
- Build Framework Demonstrator
- **Vision Software Sharing**



BFW Configuration at Bosch



The Bosch Vision of Software Sharing

