Master Thesis

Definition of an ASPICE compliant PI planning Approach with JIRA Based on SAFe

South Westphalia Software Engineering Lab (SW²E Lab)

Fachhochschule

Motivation:

Volkswagen Infotainment is developing the platform for digital and IoT services within the Volkswagen group. Thereby several ECUs as well as variants for different brands with their cars need to be considered.

Volkswagen Infotainment is using a SAFe based approach in their development. At the same time there is the need to be ASPICE compliant with the development approach, because this is the standard being used in the automotive industry. Additionally some aspects of the SAFe approach are still not well mapped to the planning tool Jira, which is used in development.

This leads to the following tasks for this thesis:

Tasks:

- Analysis of current drawbacks of the SAFe implementation with regards to
  - ASPICE compliance
  - Implementation in JIRA
  - Product Increment Planning
- Development of a concept for ASPICE compliant implementation of SAFe
  - Prototype for the Integration into JIRA

Requirements:

- Master Thesis for students of Digital Technologies or Systems Engineering & Engineering Management
- Knowledge on embedded Software Development (with C++ and/or Rust) is beneficial
- Knowledge on JIRA is beneficial

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INFOTAINMENT

Wir geben Impulse

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