COMBINING MODEL-BASED MONITORING AND CONTINUOUS INTEGRATION

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Purpose and future targets

The Model-based monitoring (MBM) toolchain has been created by Åbo Akademi University as a R&D PoC platform to support evolution:

• from implementation centric to acceptance criteria based testing (ATDD),
• from manual to model-based test creation,
• from log based testing to model based backtracing,
• from test automation to data analysis & diagnostics automation.

In future, research and development of MBM will focus on:

• parametrization of models to support test suite creation,
• test precondition modeling,
• model-based performance testing,
• toolchain adaptation and integration automation.
MBM and CI

The Model-based monitoring (MBM) toolchain will be used as PoC for integrated MDD/MBT WoW process (separate presentation by Tiina Rantala).

Target is to split test generation and validation to two phases:

1. Test generation, execution and validation in development CI, and
2. Creation of approved and baselined test suites for production CI.
Thank you.

Questions?