



# Adaptation & Reasoning

Models@run.time Workshop 2012

Competence Center Next Generation Services

models@run.time - beyond MDE

it is runtime abstractions!

- we know several applications about models at runtime, for example architectural models
- we know how to reason using runtime architectural models
- existing runtime models

- -what are the best formalisms to use during runtime to tackle uncertainty?
- how to learn about behavior to construct runtime model?
- learn about behavior while observing the architecture (during a period of time)
- how can we assure high quality of runtime models despite frequent changes?
- runtime models could be conceived at runtime
- how to discover new requirements and new trade-offs
- how to sync requirements/goals to the running system
- we know how to reason using runtime architectural models  
BUT dont have a way how to compare it

## What are Models@run.time?