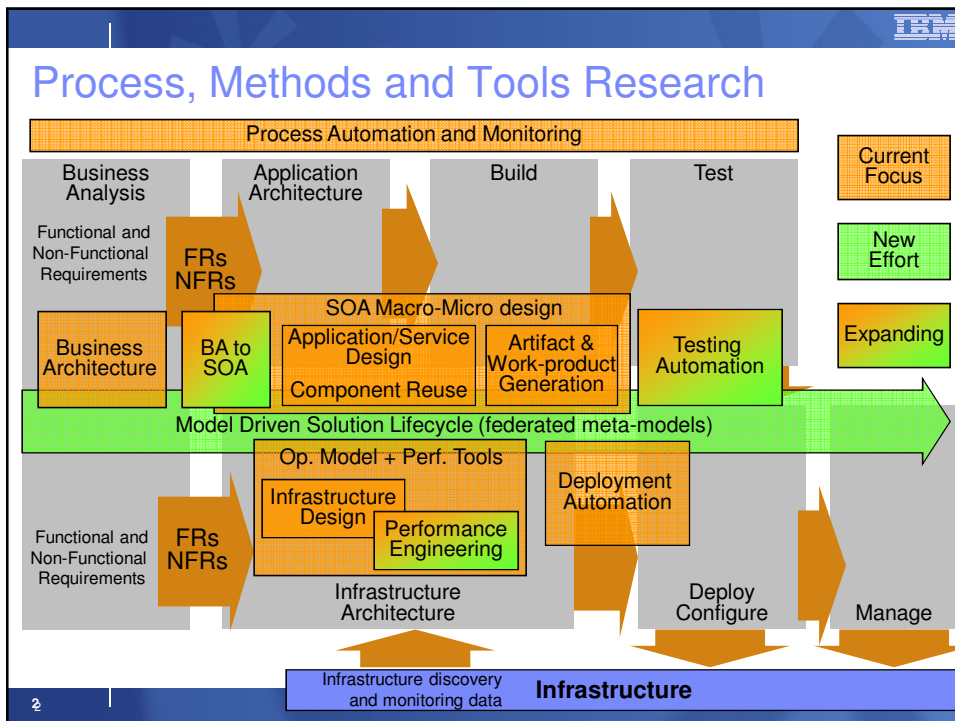


SOA Design, Development and Deployment Methods, Processes and Tools

Fausto Bernardini, IBM Research

Hard Problems in SOA Workshop
January 30, 2008
Pittsburgh, PA



IBM Business Process Management V 1.0

Open Problems (Partial list!)

- **What are the right (meta)-models to support this end-to-end lifecycle**
- **Is UML adequate as the underlying modeling language**
- **How do you support traceability and iterations**
- **How do we enable formal reasoning on the qualities of designed systems**
- **How do we address different roles and needs in the lifecycle: governance, strategy, architecture, development, single-service, cross-org....**
- **How do we make all this effective and easy to use for practitioners**

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Expected Outcomes

- **Identify 2-3 Important topics**
 - Rationale: Why is this important
 - Current Efforts
 - Gaps and Challenges
 - Ideas to Address Gaps and Challenges

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