

How in the Development and Monitoring of Business Processes using Oracle BPM Suite and SOA Suite

Marcel Križevnik, Matjaž Jurič

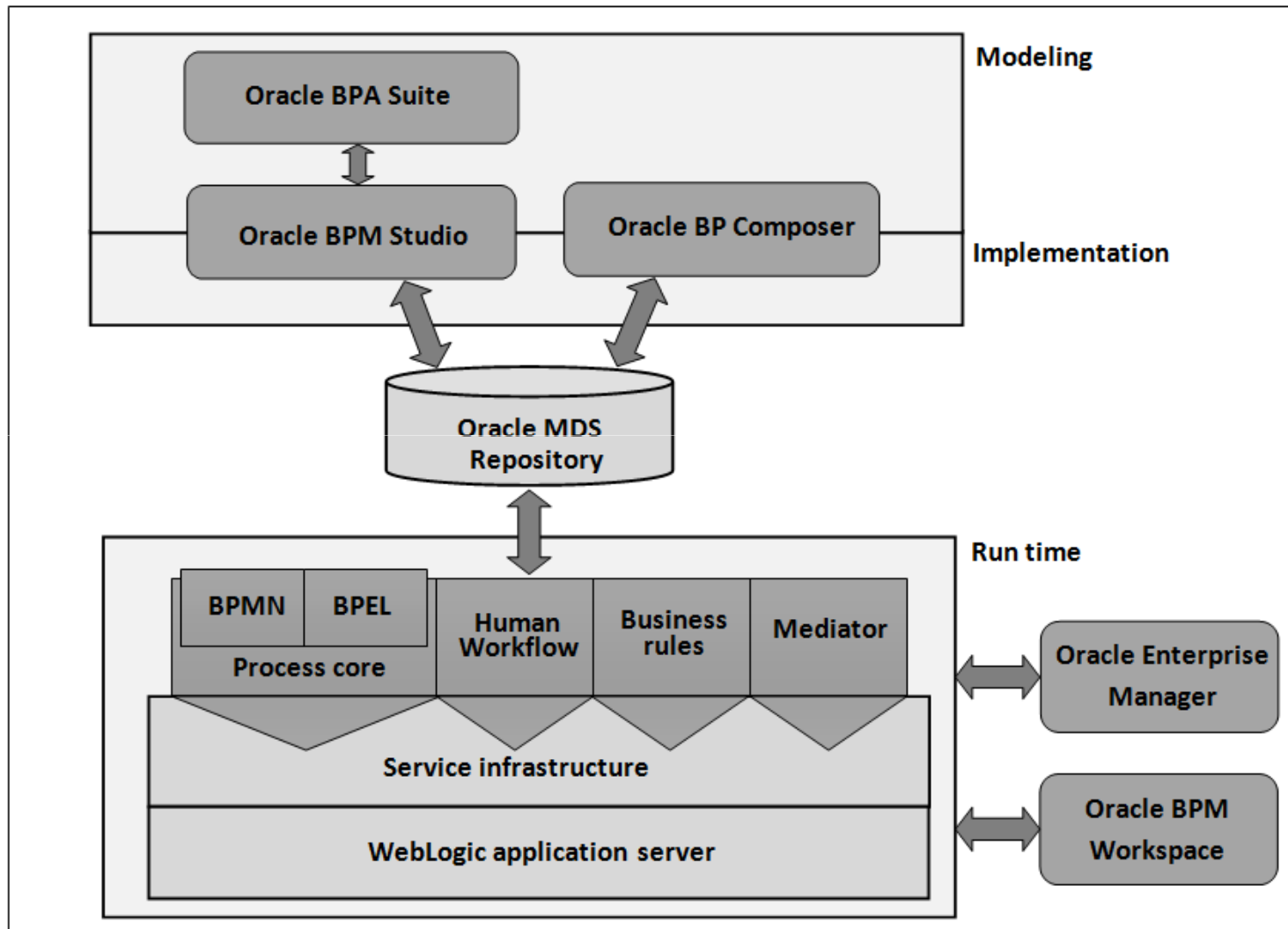
Agenda

- Theoretical introduction
- Business Process Modeling
- Business Process Implementation
 - BPMN and BPEL processes
 - Human Tasks
 - Business Rules
- Deployment
- Testing
- Business Process Debugging
- Integration with Oracle BAM
- Changing business rules at run-time

Oracle BPM Suite 11g

- Extends Oracle SOA Suite 11g
- Provides support for all business process lifecycle stages
- Complete environment for development, management and monitoring of business processes
- Support direct implementation of BPMN 2.0 process models
- “What-you-see-is-what-you-execute”
- Integration with Oracle BAM, Oracle BI Suite, Oracle WebCenter

Oracle BPM Suite Architecture

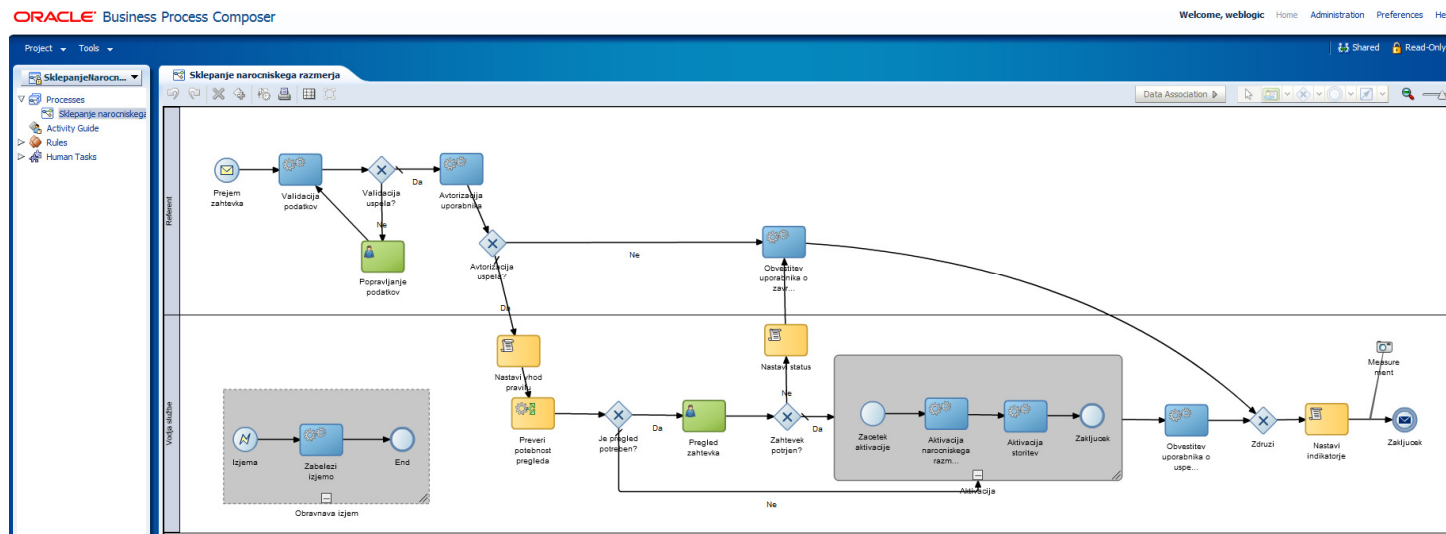


Oracle BPM Studio

- Available as extension for JDeveloper
- Main features:
 - Modeling and implementation of BPMN 2.0 processes
 - Business process simulation
 - BPM project sharing (through the use of MDS)
 - Import of BPMN models from BPA Suite, Visio
 - The use of project templates
 - Two roles: **Default role** (developer) and **BPM Process Analyst**

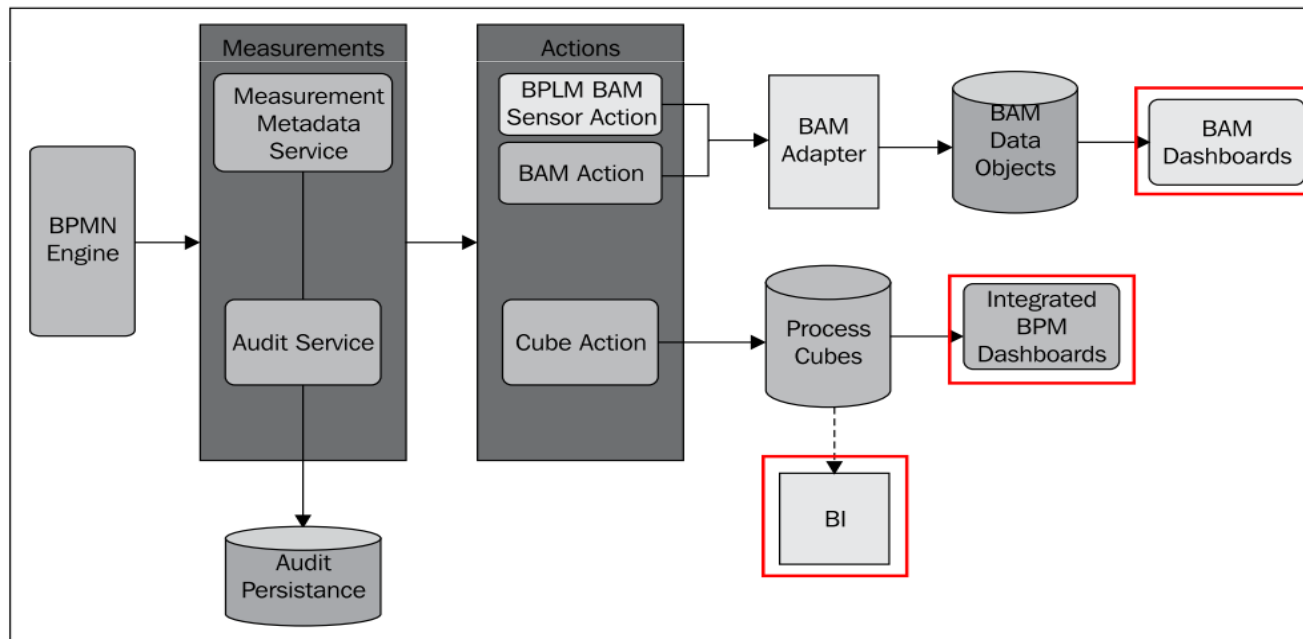
Oracle Business Process Composer

- Web-based modeling tool targeted at a business audience
- Main features:
 - Business Process Modeling
 - The use of project templates
 - BPM project deployment
 - Changing business rules at run time
 - BPM project sharing (through the use of MDS)



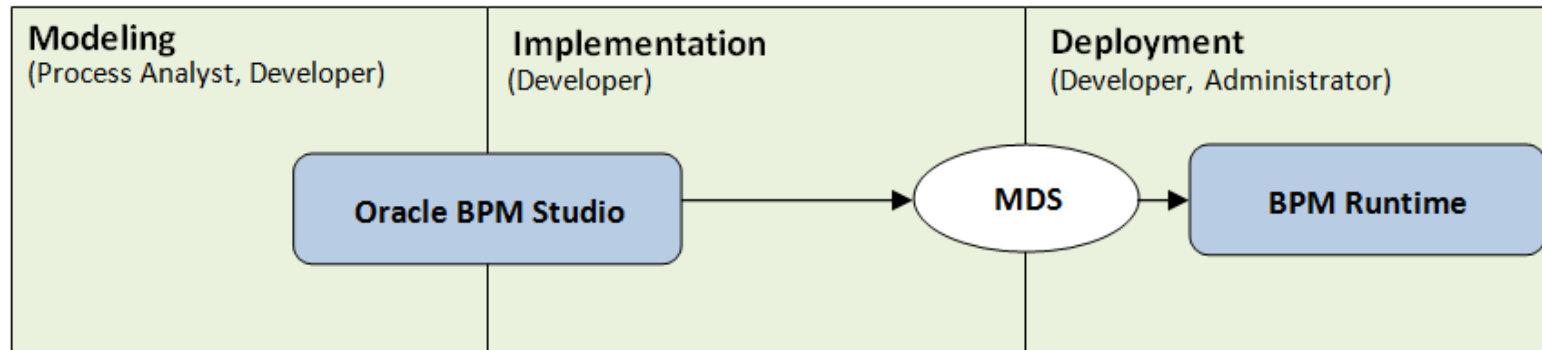
Process Analytics

- Two options:
 - BPM process analytics (Built-in OLAP cubes)
 - Oracle BAM
- Automatic capturing of metrics
- Integration with Oracle BI Suite

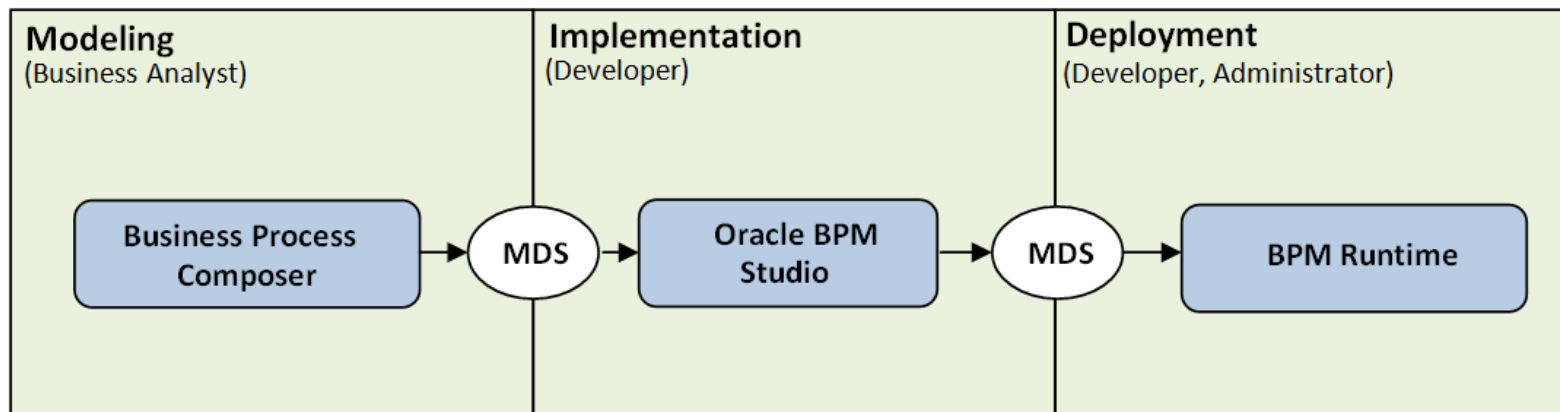


Approaches to the development of BPM projects

- Modeling, Implementation and Deployment from BPM Studio

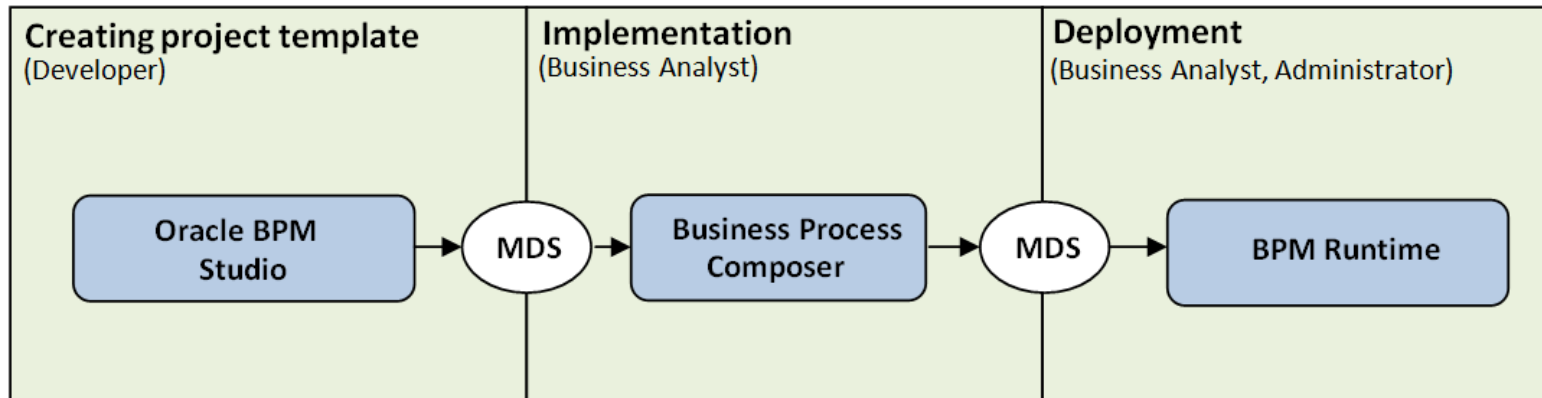


- Modeling with Business Process Composer

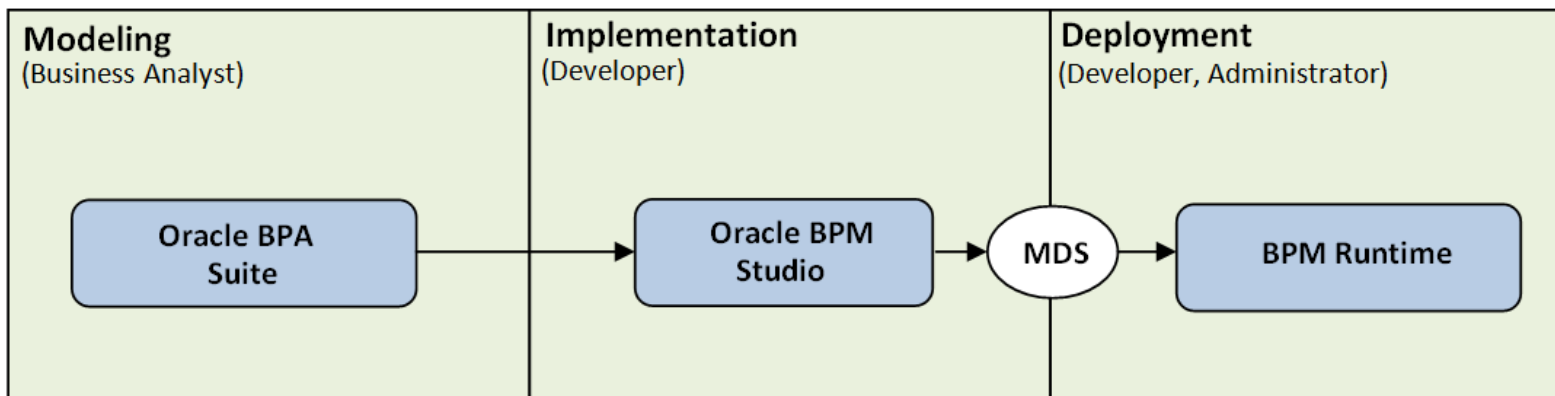


Approaches to the development of BPM projects

- The use of project templates



- Import of process models from BPA Suite



Oracle BPM Suite 11g features

- Provides full support for all business process life-cycle stages
- Based on a mature Oracle SOA Suite infrastructure
- Modeling:
 - Support for BPMN 2.0
 - Tools also suitable for business audience
 - Support for performing simulations
 - Simplified documentation and collaboration
 - Import of existing BPMN models from BPA Suite, Visio, etc.

Oracle BPM Suite 11g Features

- Implementation:
 - Direct implementation of BPMN 2.0 process models
 - No need for BPMN-BPEL round-tripping
 - Simplified communication with business users
 - The use of all SOA Suite service components (Human tasks, Business Rules, BPEL, Mediator)

- Runtime:
 - Very good visibility into business process execution
 - Simplified instance tracking and debugging
 - The use of many out-of-the-box applications
 - Integration with Oracle BAM and Oracle BI Suite

Example

- Business process **Subscription Activation**
 - Modeling (**BP Composer**)
 - Implementation (**BPM Studio**)
 - The use of business rules (**BPM Studio**)
 - BPEL process implementation (**BPM Studio**)
 - Deployment (**BPM Studio**)
 - Process instance tracking (**EM Console**)
 - Integration with Oracle BAM and building of BAM dashboard (**BAM**)
 - Changing business rules at run-time (**BPM Composer**)



THANK YOU FOR YOUR ATTENTION!

web-page: <http://www.cloud.si>

web-page: <http://www.soa.si>

e-mail: info@cloud.si



Univerza v Ljubljani
Fakulteta za računalništvo
in informatiko