Information Design
for Business Process Management

Summer SOC 2011

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The Problem: Increasing Complexity in BPM

- *Increasing complexity* of business processes
- Possibly hundreds of activities contained in a process
- Various *cross-cutting concerns* need to be considered
  - Security
  - Compliance
  - Auditing
  - …
- *Analytical data* is available but needs to be considered in its context: the business process
  - Data regarding the cross-cutting concerns
  - Data regarding execution and performance
  - Data regarding organizational aspects
  - …
Example: A Complex Process Model
The **information designer** is a consequence resulting from increasing complexity of BPM

The information designer…

- is concerned with information management across the business process life cycle
- defines and creates views that are tailored to information needs of process stakeholders
- employs a set of functions which implement view transformation functionality
Process Views

- Process views are the graphical presentation of the result obtained after specific transformations have been applied to a process model.
Example: Highlighting of Process Structures
The tool “Business Process Illustrator” has been developed by Gregor Latuske in the course of his diploma thesis. It has been ported to WSO2 Carbon by Jakob Krein in the course of his student thesis.
Composition of Process Views

- Process views can be *composed* to form complex view transformations

State Projections

- State projections, made up of state propagation rules, *cross the borders* of process models and languages.
Example: State Projections

Graphical Configurations

- Graphical configurations provide *loose coupling* of process elements, graphics, and data.
Sketching the Information Designer in BPM

- Requirements
  - Security
  - Compliance
  - Auditing
  - ...
- Process Models
- View Transformation Functions
- Design Templates
- Analytical Data

The Information Designer

Required skills?  
Multiple persons?
To which department does the role belong in a company?

Process Views

Business Insight

State Projections