



**BPM's  
from Venus**



**SOA's  
from Mars**



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# **BPM's from Venus**

## **SOA's from Mars**

- **Culture & Methodology**
- **Technology Building Blocks**
- **Process Orchestration Battleground**

# Culture & Methodology: The Good News

- **Common Terminology**
  - **Business Process:**  
The first name of BPM & BPEL
- **Common Goals:**
  - **Integration**
  - **Reuse**
  - **Agility**
- **Common Deployment**
  - **SOA (Service Tier) as execution layer for business processes**

# Culture & Methodology: The Bad News

- **Different Mindsets**
  - **Business: Top-Down approach**
  - **IT: Bottom-Up approach**
- **Different Methodologies:**
  - **Business: BPM to help rationalize the business.**
  - **IT: SOA as latest, greatest integration *technology architecture***

# Technology Building Blocks

## BPM

- Process Modeling & Simulation
- Process Execution
- Process Monitoring
- Workflow

## SOA

- SOAP
- WSDL
- UDDI
- Other WS-\*

# The Process Orchestration Battleground

## BPM

- Process Integration
  - BPMN
  - BPDM
  - XPDL

## SOA

- Process Orchestration
  - BPEL
  - BPEL4People
  - WS-HumanTask

## ■ Bottom Line

- *Where should process integration occur?*

# BPMN and BPEL: The Missing Link?

- **BPMN mapped to BPEL**
  - **BPMN designed to model processes and map to execution languages**
  - **BPEL designed to orchestrate web services**
  - **IBM/Steven White's Proof of Concept for BPMN mapping to BPEL, c. 2004**
  - **Mapping deemed adequate within limitations of version 0.9/ 1.0 technologies**

# BPMN and BPEL: Mapping Apples to Oranges

## BPMN

- **Visual Representation**
  - Flow, Connecting Objects, Swimlanes, Artifacts, etc.
- Lacks full **business** context
  - Org. Structure, Functional Breakdowns, Strategy, Rules

## BPEL

- **Programmatic Representation**
  - Receive, Reply, Assign, Throw, Wait, Exit, etc.
- Lacks full **process** context
  - Only suited for triggering automated steps

# The Latest battleground: BPEL4People

- “WS-Folks” proposal to add human workflow to BPEL
  - From Oasis usual suspects
  - Adobe, BEA, IBM, Oracle, SAP, others
  - No BPM pure plays
- Two proposed Oasis specs:
  - BPEL4People
  - WS-HumanTask
- Reinforced existing BPM pure play/Oasis standoff

# Process Orchestration: Likely Outcomes

- Coexistence:
  - BPM for mainstream orchestrations
  - BPEL for lighter weight orchestrations
- WS-HumanTask
  - Won't replace workflow
  - Will provide a way for reusing extremely rudimentary tasks for SOA exceptions
- BPEL4People
  - Prospects uncertain



**Thank You**

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