Service Composition

Panel discussion

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Position

- **SOA = Revolution but**
  - Web services = Evolution

- Vendors will add extensions to the
  - “application server“=bus=OS (sooner/later)

- Service Architect (User vs. Provider)

- SOAPY and Slippery Services
  - Composition vs. Specification

- Open Source Services *(Portals to Freedom?)*
Forget the *travel scenario*

- How to choose the mortgage that is right for *me*?

- The mortgage is just a component of a larger "**system**": what about the insurance policies that protect the lender? what about complementing repayment with a savings scheme? what about…

- This system is **dynamic**: interest rates will change; my status will change; will I have to go all over the search process again? How many times?
Service Infrastructure

- Web browser is part of OS?!
- "Application server" is part of OS?!
- Who provides service infrastructures?
- What happened to the P2P architectural style of Web services?

Sounds familiar?
Service Architect

- Different user/provider views
  (interface, (business-) protocols, Transport, Implementation)

- Service Evolution (new, disappear, morph; e.g. bidding for services)

- Metrics and Criteria for monitoring and managing services

- Planned vs. Unplanned change (design-time vs. Run-time?)

- Service (Process) reuse

- Service simulation and service testing

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SOAPY Services

Need to be monitored and maintained (notifications to who) in run-time to reflect changes on

- the way the service is being delivered (e.g. due to increased mobility -> connectivity modes)
- the business environment (e.g. new legislation)
- the requirements (e.g. client status changes)
- the technological opportunities (e.g. more robust components are made available)

Missing:

- support for Evolution
- support for Configuration
- support for Life-cycle and versions
- ...
Business Models

- Software companies jointly provide new applications (compositions?) consisting of their services

- Open Source Services as Portals to Freedom?

- (If) services are free; What about the process composition (templates)? Who adds value to services?
Thank you for your attention!