

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 Lowest

- 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

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?

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Thank you for your attention!