

## SOA BASED INTEGRATION FRAMEWORK FOR A BPM PRODUCT

The client is a provider of enterprise solutions for BFSI, Government and Business Process Outsourcing companies. The client's Business Process Management Suite (BPMS) provides an elaborate integration framework. The advent and widespread adoption of service oriented architectures required the framework to be extended to include SOA based integration mechanisms.

### CHALLENGE

The next major release of BPM Suite was due in 5 months. The integration framework had to be extended to include SOA based integration mechanisms. Client had limited knowledge/understanding of SOA concepts and standards.

### SOLUTION

- ⊗ BPM Suite has implementations in BFSI, BPO / SSC, and Government sectors. Integration framework includes API based integrations and Interface level integrations.
- ⊗ Organizations in these sectors are increasingly adopting Service Oriented Architectures and demanding SOA based integration mechanisms from the BPM Suite.
- ⊗ Integration framework was extended to include Web Services and Java Messaging Services integrations.
- ⊗ Web Services based integration: Webservice workstep added for integration. Web Services layer wraps around the existing applications and integrates to the enterprise workflow layer. Webservices can be consumed by synchronous or asynchronous means.
- ⊗ Java Messaging Services adaptor provides support to JMS-compliant middleware as the underlying messaging layer. This adaptor provides bi-directional message interoperability between applications with access to messaging systems. BPM messaging adaptor integrates with the Messaging Service via the Java Messaging Service.

### BENEFITS

- ⊗ BPM suite allows extension of processes to the extended enterprise
- ⊗ Enables Integration using Web Services and JMS
- ⊗ Open Standards based development

### TECHNOLOGIES

- ⊗ WSDL / SOAP / UDDI
- ⊗ Java Messaging Services
- ⊗ BPM
- ⊗ J2EE

### PROJECT TEAM

- ⊗ 8 Person Team
- ⊗ Duration – 7 months

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