

**Two-day conference and workshops:  
3-5 October 2007, Vibe Hotel North Sydney**

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# Achieving Interoperability in Systems Architecture

**GETTING SERIOUS ABOUT HARNESSING  
THE BENEFITS OFFERED BY SOA AND WEB SERVICES**

Take this unique opportunity to hear practical examples highlighting how to:

- Define SOA and identify its practical benefits
- Utilise SOA to improve interoperability, agility, reusability and standardisation
- Identify, build and maintain appropriate web services
- Understand the relationship between SOA and Business Process Management (BPM)
- Adopting appropriate management and governance strategies
- Minimise the risks associated with SOA and web services

**Post-conference workshops: Friday, 5 October 2007**

Workshop A: **Bearing the standards of interoperability**

Facilitated by: Joshua Graham, EA Principal Consultant and  
Dr Halvard Skogsrud, Senior Developer, ThoughtWorks

Workshop B: **Exploring the strategies to realise the vision of SOA implementation  
in your organisation**

Facilitated by: Rajat Chopra, Associate Director, Bell Canada

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leading organisations  
demonstrating SOA  
implementation  
strategies**

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# Achieving Interoperability in Systems Architecture

## GETTING SERIOUS ABOUT HARNESSING THE BENEFITS OFFERED BY SOA AND WEB SERVICES

In a world of rapidly evolving enterprise landscapes, the ability to adapt to changing business needs is more crucial than ever. Service Oriented Architecture (SOA) is not only able to facilitate this but also allows organisations to standardise and unify processes and align IT architecture with business drivers.

While many organisations appreciate the theoretical benefits that are offered by SOA and web services, they either struggle to realise this potential or resist re-designing their architecture due to perceived risks and costly overheads. However, those organisations that have successfully implemented SOA in conjunction with refining business processes have not only seen direct benefits of agility, standardisation and interoperability, but have also shaped their architecture to comply with the demands of the foreseeable future.

This conference will tackle the strategic and technical aspects of designing and building components of SOA and will demonstrate how to identify and minimise associated risks to ultimately produce tangible business gains. Topics to be explored include:

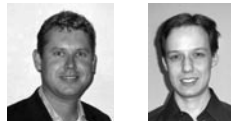
- Adopting SOA as a support tool for business processes
- Identifying services that will benefit your organisation
- Building services capable of achieving the desired results
- Adopting and conforming to appropriate standards
- Appreciating the significance of Enterprise Architecture (EA) in a successful SOA

## Post-conference workshops: Friday, 5 October 2007

Post-conference workshop A:

### Bearing the standards of interoperability

Registration: 9:00am  
Workshop starts: 9:30am  
Workshop ends: 12:30pm



Facilitated by: **Joshua Graham, EA Principal Consultant and Dr Halvard Skogsrud, Senior Developer, ThoughtWorks**

#### About the workshop:

Without interoperability of services, realising SOA in a heterogeneous enterprise environment is impossible. Interoperability is not something that vendor tools and committee standards miraculously supply on their own and each organisation faces their own challenges based on their unique requirements.

This workshop will provide varying levels of detail, and cover the theory and the reality of using web services to implement an SOA, especially where interoperability issues are prevalent.

#### The Standards

- Brief overview of the core web services standards (SOAP, WSDL, XML Schema)
- A whirlwind tour of the standards and specifications for interoperability

#### Web services for an SOA

- Architectural tenets
- The unbearable heaviness of being WSDL
- RPC versus Doc-Literal
- SOAP and POX, MEST and REST

#### Web services-Interoperability

- Rationale
- Basic profile
- Basic security profile
- Reliable secure profile

#### About your workshop leaders:

Josh serves ThoughtWorks as an Enterprise Architect in the creation of large scale, distributed and object oriented applications and enterprise application integration. Across 18 years in the IT industry, his passion is still software, but his experience encompasses a broad range of IT aspects, including business alignment, architecture, design, implementation, testing, deployment, data centre operations, service delivery and system lifecycle management.

Josh's industry experience includes Wealth Management, Consumer Lending, Telecommunications, Media, Insurance, Manufacturing, Retail, Pharmaceutical and Internet Service Providers.

Halvard is a Senior Developer working at ThoughtWorks, creating web applications and web services within large scale distributed object oriented applications. Halvard has completed his PhD thesis in service oriented application security at the University of NSW and is a member of the ThoughtWorks Service Oriented Systems practice.

Post-conference workshop B:

### Exploring the strategies to realise the vision of SOA in your organisation

Registration: 1:00pm  
Workshop starts: 1:30pm  
Workshop ends: 4:30pm



Facilitated by: **Rajat Chopra, Associate Director, Bell Canada**

#### About the workshop:

A Service Oriented Architecture is an enterprise scale IT architecture for linking resources on demand. The primary structuring element for SOA applications is a service distinct from subsystems, systems, or components. SOA is the architectural response to business agility requirements. Several components comprise an SOA framework: service provider, service consumer, service definition, service infrastructure, services layer, and governance. SOA benefits to the business are in the ability to introduce products to market faster, enable business transformation, and lower maintenance costs.

This workshop will discuss the vision of SOA and offer a practical guide to its successful implementation.

We will also explore how web services are the enabling technology for achieving the value of Service Oriented Architecture and share the strategy and planning deliverables that provide an organisation with the plan to transition to SOA, along with different adoption paths in its implementation.

#### About your workshop leader:

Rajat Chopra is an eBusiness strategist at bell.ca, Bell Canada, Canada's largest communication company providing the most comprehensive and innovative suite of communication services to residential and business customers in Canada.

With over seven years of experience in the interactive space, Rajat has been driving eBusiness projects and strategies in various roles, from architecture development and project management to strategic development for Bell Canada's consumer website, bell.ca. He has intimate knowledge of the business processes, from IT to marketing, and has helped close the gap of business integration. He possesses a Executive Masters in Project Management from Schulich School of Business (York University), a Bachelor of Commerce and an advanced diploma in computer applications.

#### Who should attend?

Enterprise Architects, IT Architects, Web Managers/Developers, Information Managers, Systems Architects, Application Architects, IT Directors and Managers, Business Process Managers, CIOs, CTOs, Heads of Service Delivery, Business Analysts, Heads of ICT or IS, Application Managers, Governance and Compliance Managers, Workflow Engineers and Change Managers.

## DAY ONE – Wednesday, 3 October 2007

8:45 **Registration and refreshments**

9:15 **Chairperson's opening remarks**

*Joshua Graham, EA Principal Consultant, ThoughtWorks*

### Back to basics

9:30 **Demystifying SOA, web services and the role they have to play**

- Defining SOA and understanding it as event driven and message oriented
- Aligning IT architecture with business architecture
- Satisfying business drivers through SOA
- Exposing core systems as services to be accessed at the front end
- Facilitating interoperability by replacing point to point interfaces with web services

*Mark Murphy, Systems Development Manager, Tower Australia Limited*

10:15 **Assessing your organisation's readiness for SOA adoption**

- Understanding the attributes of an "SOA ready" organisation
- Changing design practices to support SOA benefits realisation
- Adapting governance and service management to support SOA benefits realisation
- Assessing your organisation's readiness: a practical approach

*Stephen Smith, Chairperson, Arcbok Sydney*

11:00 **Morning refreshments and networking**

11:30 **Facing the challenges of business casing SOA initiatives**

- Understanding the challenges of defining SOA's tangible benefits
- Developing an NPV for capital and operational expenditure
- Acknowledging the intangible benefits of SOA

*Krist Davood, Business Alignment Manager, AGL*

### Understanding where SOA fits in your organisation

12:15 **Understanding the relationship between SOA and portals**

- Appreciating that SOA and portals exist to serve similar purposes
- Establishing your portal as the user entry point for SOA
- Developing portal applications that facilitate SOA

*Rob Doughty, National Applications Manager, Centrelink*

1:00 **Networking lunch**

2:00 **Ensuring your Enterprise Architecture is SOA compliant**

- Understanding the link between EA and SOA
- Recognising that SOA may require significant changes to your existing EA
- Re-designing your EA to facilitate SOA
- Using EA to define your metadata to facilitate your services

*Antony Kimber, Manager Applications, SA Government Department*

2:45 **SOA implementation of an enterprise business architecture**

- Understanding business modelling for SOA implementation
- Developing service based target states
- Implementing business services in SOA

*John Fisher, Enterprise Architect, NZ Ministry of Education*

3:30 **Afternoon refreshments and networking**

4:00 **Appreciating the link between SOA and BPM**

- Understanding that services exist to compliment business processes
- Utilising SOA and BPM to compliment each other
- Implementing a BPM layer to provide visible benefits of SOA
- Refining BPM processes to comply with SOA

*Jan McConchie, Director, Technology Platform Evaluation and Projects, SA Government ICT Services*

4:45 **Chairperson's closing remarks and end of day one**

## DAY TWO – Thursday, 4 October 2007

8:30 **Registration and refreshments**

9:00 **Chairperson's opening remarks**

*Joshua Graham, EA Principal Consultant, ThoughtWorks*

### Designing and building appropriate web services

9:15 **Minimising risks of delivering SOA through a transitional approach**

- Understanding the State Revenue Office approach to service architecture
- Managing the risks associated with organisational change
- Achieving SOA alignment with service management

*Chris Howard, IT Director, State Revenue Office Victoria*

10:00 **Interactive discussion: Identifying services that will satisfy user requirements**

Through identifying the most appropriate services to satisfy user requirements you will positively impact the overall success of your SOA implementation. This session will provide you with an opportunity to share your organisation's approach to identifying these services, while gaining feedback and learning from the experiences of your peers. *Facilitated by Joshua Graham, EA Principal Consultant, ThoughtWorks*

10:45 **Morning refreshments and networking**

11:15 **Designing and building robust and effective web services**

- Creating service fortress boundaries
- Designing effective integration layers
- Implementing the right developer level frameworks
- Understanding the potential difficulties of real time transactions when using XML

*Georges Cascales, Manager IT and Applications, Integral Energy*

12:00 **Preparing enterprise IT and business stakeholders for SOA implementation**

- Understanding SOA promises and challenges
- Viewing SOA as a solution rather than a problem
- Achieving business requirements for SOA
- Initiating cooperation before integration
- Vendor supplied, fixed price, or in house? Making the decision simple

*Alex Jouravlev, Co-Chairperson, Business Systems Architecture and Design SIG, Australian Computer Society (ACS) NSW*

12:45 **Networking lunch**

### International keynote case study

1:45 **SOA: vision and reality**

BCE is Canada's largest communications company, providing the most comprehensive and innovative suite of communication services to residential and business customers in Canada.

- Appreciating the problems that face business today
- Forming an SOA vision
- Identifying web services as the enabling technology for realising the value of SOA
- Establishing effective approaches and entry points
- Harnessing the benefits from SOA and web services

*Rajat Chopra, Associate Director, Bell Canada*

3:15 **Afternoon refreshments and networking**

### Adopting appropriate strategies post-implementation

3:45 **Adopting appropriate management and governance strategies for your services**

- Implementing a centralised management unit
- Dealing with the wider consultation demanded by SOA
- Assigning ownership of services that cross functional boundaries
- Recognising the need for life cycle management of your services

*Ram Kumar, Manager of Standards Development, OASIS*

4:30 **Adopting a business focus to SOA maturity**

- Removing technical details from your SOA maturity model
- Progressing from technology driven innovation to "business as usual"
- Facilitating SOA thinking

*Alex Jouravlev, Co-Chairperson, Business Systems Architecture and Design SIG, Australian Computer Society NSW*

5:15 **Chairperson's closing remarks and end of conference**



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# Achieving Interoperability in Systems Architecture

3-5 October 2007, Vibe Hotel North Sydney

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