

# IT: Security and SOAs

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## SEPARATELY BOOKABLE SEMINARS

### Data Security Essentials - Protecting organisational and customer data entrusted to your care

22 & 23 OCTOBER 2009 – WELLINGTON  
11 & 12 NOVEMBER 2009 – AUCKLAND

★ **New for 2009**

### Service Oriented Architecture (SOA) - Realising Service-Oriented

2 & 3 NOVEMBER 2009 – WELLINGTON  
11 & 12 NOVEMBER 2009 – AUCKLAND

★ **Updated for 2009 – Now covering SaaS and Cloud Computing**

## FACILITATED BY

**Eric Svetcov**



- Enhance your data security policies through better alignment with leading governance frameworks
- Discover new technology solutions that might be helpful in mitigating the risk of an adverse data disclosure
- Improve engagement with Information Assurance professionals to help you and your company achieve your goals
- Integrate your efforts (and create allies) with other departments in your organisation to improve data security efforts

**Lukas Svoboda**



- Gain better understanding of the current and upcoming SOA landscape
- Learn valuable lessons from SOA case studies lead by a leading expert
- Find out how SOA affects your entire IT team

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# Data Security Essentials

## Protecting organisational and customer data entrusted to your care

22 & 23 OCTOBER 2009 – DUXTON HOTEL, WELLINGTON • 11 & 12 NOVEMBER 2009 – RENDEZVOUS HOTEL, AUCKLAND



### COURSE OUTLINE

#### Day One

##### Data Security Essentials – Framework and Policy

###### Practical Exercise One

##### The Role of Corporate/Organisational Governance and IT/Information Security Governance in Building a Data Security Programme

- Corporate/Organisational governance role in data security
- IT and Information Security governance role in data security
- IT/Information Security Governance Frameworks and Standards
  - COBIT 4.1 and data security
  - ISO 27001/27002 and data security

##### Key Players and Roles in the Data Security Programme

- Introduction to RACI Charts
- IT and Information Security
- Customer
- Government

###### Practical Exercise Two

##### Building your Data Security Programme:

A step-by-step approach to building a data security programme that aligns with the strategic goals of organisation and leading IT and information security governance frameworks and standards

- Understand risks and create risk treatment plan
  - Consider compliance/legal requirements (PCI, SOX, Privacy, etc.) as inputs for the risk treatment plan
- Implement controls required by risk treatment plan
- Implement solutions to measure effectiveness of controls
- Implement training and awareness programmes
- Implement monitoring and construct procedures for rapid detection of security events and responses to incidents

###### Practical Exercise Three

##### Writing the Data Security Policy – The Strong Foundation of your Risk Treatment Plan will be your Data Security Policy

- Leveraging ISO 27001/27002 and COBIT to build a comprehensive policy
- Access control
- Data classification
- Labelling and handling data assets
- Monitoring and continuous improvement
- Integration of other Information Security, IT, Risk Management and business policies

###### Practical Exercise Four

#### Day Two

##### Data Security Essentials – Controls, Monitoring, and Incident Response

##### Data Security Controls – People and Technology

- Current state of many organisations – what's not working and why?
- Data security and the fallible human being – implementing controls (including training) that limit accidental misuse of data and data disclosure
- Handling internal and external bad actors and why this is a never-ending battle
  - Case study – The struggle against phishing attacks and criminal attempts to extract data from SaaS providers (salesforce.com)
  - Multi-layered defenses –Preventative and detective controls

###### Practical Exercise Five

##### New Technical Solutions for Improving Data Security

- Considerations for implementing new solutions – Pros and Cons
- Data Leakage Prevention
- Database Logging/Security
  - Case study – This case will identify two scenarios where a database administrator could monetise their access with little risk of discovery for significant personal financial gain, why conventional controls are inadequate

- Identity and Access Management
- End Point Security
- Network Access Control
- Vulnerability Assessment
- Enterprise Password Management
- Data masking and encryption
- Intrusion Detection/Prevention (NIDS/NIPS, HIDS/HIPS, WIDS/WIPS)
- Web application data security
- Patch management

###### Practical Exercise Six

###### Practical Exercise Seven

##### Testing, Monitoring and Continuous Improvement

- Using ISO 27001 and COBIT to implement appropriate testing, monitoring and continuous improvement
- Following your policy – Testing, monitoring and continuous improvement should be part of your policy
  - Case study – A major US collocation provider failed to appropriately test the diesel generators. This case will show that when considering your test plans, you should attempt to simulate real-world testing.
- Log aggregation, correlation, alerting, and remediation
- Creating your own metrics
- Managing remediation
- Incident management
- Forensic investigations

##### Audit

- The role of Internal Audit and using Internal Audit to improve Data Security
- External Audit – why are they here and what are they looking for?

##### 3rd Parties and Outsource Partners

- Building Data Security requirements into outsource agreements
- Understanding the risk of outsourcing
- Creating a framework for assessing potential outsource partners
- Verifying adherence to the data security requirements integrated into outsource agreements

##### Attendees will receive the following sample policies:

- Data Security – Comprehensive data security policy – access control, acceptable use, data classification, data ownership, and data lifecycle (creation, usage, transmission, storage, and disposal)
- Data and Media Disposal – Policy around disposal of data and media
- Incident Management – Policy for managing incidents
- 3rd Party Data Security – Data handling policy for vendors, partners, and other 3rd parties

Attendees are requested to bring a Windows XP or Vista laptop computer for the practical exercise during day 2. Attendees will be installing Imperva Scuba on this computer for the practical exercises.



### INSTRUCTOR PROFILE



Eric Svetcov is a leading Information Security specialist who has more than 15 years of industry experience in securing key corporate and customer data.

His previous roles have include Information Security and Business Continuity national service leader for KPMG in New Zealand, Information Security Director for salesforce.com in San Francisco, Director of IT and Operations at Grassroots Enterprise, and Manager of Information Systems at Intuitive Surgical.

Eric is a Board Member of the ISACA chapter in Auckland and is a member of the International Association of Privacy Professionals (IAPP), (ISC)2, and American Board for Certification in Homeland Security (ABCHS). He has an MBA and holds the following certifications: CISSP, CISM, CISA, CIPP, and CHS-III. His articles have been published in SC Magazine, Technology & Learning magazine, School CIO, and Windows NT Systems magazine.

# Service Oriented Architecture (SOA)

## Realising Service Orientation

2 & 3 NOVEMBER 2009 – DUXTON HOTEL, WELLINGTON • 11 & 12 NOVEMBER 2009 – MERCURE HOTEL, AUCKLAND



### COURSE OUTLINE

#### Day One

##### Introduction to SOA

- Industry trends over the last five years
- Fundamental service orientation principles and tenets
- The relation of service-orientation and Service-Oriented Architecture (SOA)
- The definition of SOA from multiple viewpoints
- SOA as an IT investment philosophy
- Definition of services and related artefacts

##### SOA Standards

- Implementing SOA with web services
- Web services standards - current and emerging
- Knowing when to apply the right standards

##### Process-Driven SOA

- Understanding process-based SOA
- Understanding model based development
- What is contract-first development?
- Using Enterprise Architecture and Process tools to drive SOA implementation

##### How SOA Affects your IT Team

- How analysts, developers and architects need to think differently
- Training, personal development and SOA skills training
- Gaining buy-in from your IT team

#### Day Two

##### The Microsoft SOA Technology Stack

- Microsoft SOA philosophy
- Practical guidance

##### The Open Source Technology Stack

- Open source technologies and trends
- Practical guidance

##### The Java Technology Stack

- Java stack for building SOAs
- Practical guidance

##### Cloud Computing/SaaS and SOA

- Understanding the links between SOA and Cloud Computing/SaaS
- Practical guidance and avoiding pitfalls you didn't know existed

##### SOA Case Studies: Objectives, Obstacles & Solutions

- Review of several NZ SOA case studies
- Issues and challenges

- Lessons learned: What went right? What went wrong?
- Identifying patterns which will work for you

##### Aligning Architecture, Management and Governance

- Service Oriented Management (SOM)
- How does SOM affect your current IT operation?
- What is SOG (Service-Oriented Governance)?
- Realising service-orientation - Architecture, Management and Governance



### INSTRUCTOR PROFILE



Lukas has been in IT architecture and management roles for the last fifteen years working his way up from systems development and solution architecture into the position he holds today as Enterprise Architecture Manager for Mighty River Power.

Lukas is at heart a strategist, an architect, a problem solver and creative thinker. He is driven by an entrepreneurial spirit to be innovative, pragmatic and investment focus. He is extremely passionate about managing, coaching and mentoring people in an outcome focused environment to produce outstanding results.



### OTHER RECOMMENDED COURSES:

**NZ Cloud Computing Summit - 5 October Auckland**

**NZ Datacentre Summit - 6 October Auckland**

**NZ Business Intelligence Summit - 7 October Auckland**

**NZ Help Desks & ITSM - 21 October Auckland**



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## IT: Security and SOAs

### Data Security Essentials

### Service Oriented Architecture (SOA)

Brochure Code: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

#### First Delegate

First Name (Mr/Ms/Mrs/Miss/Dr) \_\_\_\_\_  
 Last Name \_\_\_\_\_  
 Position \_\_\_\_\_ Email \_\_\_\_\_  
 Data Security Essentials  Please indicate city  
 Service Oriented Architecture (SOA)  Auckland  Wellington

#### Second Delegate

First Name (Mr/Ms/Mrs/Miss/Dr) \_\_\_\_\_  
 Last Name \_\_\_\_\_  
 Position \_\_\_\_\_ Email \_\_\_\_\_  
 Data Security Essentials  Please indicate city  
 Service Oriented Architecture (SOA)  Auckland  Wellington

#### Third Delegate

First Name (Mr/Ms/Mrs/Miss/Dr) \_\_\_\_\_  
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- Confirm your cancellation in writing (letter, fax or email) at least ten working days prior to the event and receive a refund less a \$300+GST service charge per registrant. Regrettably, no refunds can be made for cancellations received after this date.

Delegates are responsible for their own travel/accommodation bookings and no compensation will be made should the conference be rescheduled or cancelled.

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#### Course Information

	<b>EARLY-BIRD SPECIAL</b> Registrations received/paid before below dates	<b>SAVE \$100</b>	<b>STANDARD PRICE</b> Registrations received/paid after below dates
<b>Data Security Essentials (TC088)</b>	\$1895 plus GST (3 September 2009)		\$1995 plus GST (3 September 2009)
<b>Service Oriented Architecture (SOA) (TC089)</b>	\$1895 plus GST (14 September 2009)		\$1995 plus GST (14 September 2009)
<b>Any 2 Seminars</b>	\$3390 plus GST*		\$3590 plus GST*
	(*earliest applicable earlybird date applies)		

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