Sun Microsystems & Enterprise Architecture:
Enterprise Architecture & Innovation

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Introduction

• Wayne Horkan – UK & Ireland CTO
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A History of Innovation

- Sun & Innovation
  - NFS
  - Solaris (& BSD)
  - Java & J2EE
  - E10K – the first UNIX mainframe
  - Open Standards – Advocate
  - Open Source – Champions & Pioneers

- But Enterprise Architecture?
Sun Micro. & Enterprise Architecture

• Founder member of the OG

• Enterprise Architecture (EA) is alive & kicking in Sun
  > Widely used in Sun to help manage ITops
  > Used with customers
  > And new, innovative uses found even today…
UK & Ireland Technical Governance – I

- Chairman: Chief Technologist for the UK & Ireland - Wayne Horkan
- Global Systems Engineering Practise Head – Greg Nolan
- Finance - Chief Technologist for Finance (UK & Ireland GEM) - Alan Higginson
- Telco & Media - Chief Technologist for Telco & Media (UK & Ireland GEM) - Mike Osbourne
- Commercial - Chief Technologist for Commercial (UK & Ireland GEM) - Mike Lee
- Public Sector & Education - Chief Technologist for Public Sector & Education (UK & Ireland GEM) - Dave Gittins
- Systems - Lead Technologist for Systems (UK & Ireland GEM) - Terry Smith
- Storage - Lead Technologist for Storage (UK & Ireland GEM) - Chris Fennessey
- Software - Lead Technologist for Software (UK & Ireland GEM) - Vince Keehan
- Services - Lead Technologist for Managed Services (UK & Ireland GEM) - John Windebank (shared seat below)
- Services - Lead Technologist for Professional Services & SEC (UK & Ireland GEM) - Mike Ramchand (shared seat above)
- Partners – Phil Bates
- Delivery & Support – Field Eng. / Technical Design Consultants – Tom Connolly
- Delivery & Support – Integrated Service Delivery – Ian Russell
- Delivery & Support – Technical Support Centre - TBA
- Marketing – Chris Atkins

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UK & Ireland Technical Governance - II

• Communication and awareness mechanism for the technical community.

> Remit:
  – To encourage and maintain open communication lines between the major technical communities in the UK & Ireland GEM.

> An open forum of multi-point communication - driving awareness & shared responsibility for issues which concern the UK & Ireland technical community, including, but not bound by:
  – Technology buying trends coming out of the individual Industry Business Units (and sub-business units)
  – Major product and offering pushes and strategies coming out of the Practises
  – Architectural implantability between the Sales Support and Delivery functions
The 3 major uses of EA at Sun Micro.

• Enterprise Architecture practise, methods and techniques are in use across Sun today

• 3 majors uses of EA
  > Internally – for ourselves
  > Externally – with our customers
  > EA Innovation – Generating Customer Insight
Internally

• COO of Sun Federal, recent ex-CIO - Bill Vass
  > Ex DoD
  > Championed and promoted the use of EA within Sun
  > Created a Sun EA Strategy & Playbook
  > Mainly DODAF & TOGAF based
Initiatives

• Reduce estate complexity
• Reduce number of applications
• Centralise functionality
• Increase Visibility of systems
Bill Vass's CIO Essentials

- **Rule 1** - Open systems succeed.
- **Rule 2** - Proprietary systems fail in the long run.
- **Rule 3** - Separate logical layers.
- **Rule 4** - Standards matter.
- **Rule 5** - What's old is new again.
- **Rule 6** - Technology is not a problem.
- **Rule 7** - Know your estimation factor.
- **Rule 8** - You manage what you measure.
- **Rule 9** - Don't let the best be the enemy of the better.
- **Rule 10** - Nothing in life is easy.
IBIS

- IT / IS Estate complexity reduction
- Reduced number of applications
- Mapping across the organisation of application usage
- Looking for commonality
- Multiple applications replaced by a single application platform
- Real world business and operational simplification
- Current cost savings in the many millions
Helios

• An online, real-time Service Catalogue
• Understanding our Business Systems and the IT / IS systems which support them
• A Service Catalogue (electronic or not) is a fundamental building block of an SOA implementation
• Maps Business Unit, to Business User, to IS System, to IT Systems, to Infrastructure Platform, to Data Centre, to Operational Management
• Reports (real-time or static) can be generated for any of the combination of views above
Helping them define their EA

• Sun Engineers and Consultants work with Customers as part of their EA teams

• Also find Sun staff in customer Governance Structures

• Examples:
  > United Utilities
  > HMRC
  > Cabinet Office
  > Sainsbury’s / Accenture
  > And others…
Delivering components into there EA

• Design and Build documents delivered by Sun can make up part of the documents set of an EA

> Streamline EA delivery by producing a common, consistent document set
EA & Innovation

• Generate Customer Insight & Intelligence
  > Sun Lightweight Enterprise Architecture Framework
  > Build systems architectures, models

• Develop new analysis methods, such as:
  > Use case Sizing and Capacity Planning
  > Use case Security Policy Definition
  > Virtualisation Definition Methods
  > And others…
Where to get help from Sun re: EA

• Your account team – if you have one
  > Reference this event & me too

• Alternatively – myself
  > I’ll get you in touch with the appropriate Industry Sector / Partner chief technologist
  > Or work with you direct

• Contact details:
  > wayne *dot* horkan *at* sun *dot* com
  > http://blogs.sun.com/eclectic/
  > http://www.linkedin.com/in/waynehorkan
Summary

• Sun not only uses EA techniques and methods to manage it’s own IT / IS estate, but…

• We also work with customers
  > in there technical governance structures and enterprise architecture teams
  > We deliver components into there EA

• We innovatively use lightweight EA techniques to understand our customers better and drive customer insight in Sun
  > And develop new approaches to analysis of IT / IS systems
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