Implementing a service-oriented architecture for earth resources information

SOA and Geological Data

Who’s responsible

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What GeoScience Victoria Does

Our Mission:

• Attract new minerals and petroleum explorers to Victoria
• Promote Victoria as the place for minerals and petroleum investment
• Custodianship of geoscientific information as a valuable and current asset
• Global access to geoscientific information
• Government is informed of the extent and value of the resources to Victoria
Our Solution

User can access information via world wide web from anywhere anytime

DPI ICT Infrastructure managed by CenITex
Our Solution

• Best tools for the Job

• Java (JEE) based for new applications

• Integrate with (Ingres) OpenRoad and COTS based systems

• Present current systems as services

• Moving our legacy applications to COTS or Java (JEE)

Sounds so simple

You Just Need

• Patience  did I mention Patience

• Common understanding this means from management to tea person

• Well thought out plan

• Well designed architecture

• Supportive and efficient IT Provider that understands the business
Challenges

As with many new concepts or directions
Technology is not the only issue (minor).

Management
• Departmental to Branch

Technical
• Programmers
• Vendors
• Central IT

Domain
• Users - Science

Challenges

Internal
• We have always done it like this before, why change
• What do we get from this approach
• It’s easier to go straight to the database
• How much will it cost
• Tribal Warfare!
SOA TEAM

Responsibilities:
- Design and Architecture
- Motivation of the rest of the Team
- Automate as much of the processes as possible
- Make SOA approach second nature to the rest of the team
- Constantly reinforce the big vision

The SOA Team in Action
Our Goal
Summary

• Big Ideas SOA
• Hard work
• Still trying worth the effort

• Not Everything should be a service !!!

Finally

Thanks To
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Questions ?