Innovative Use of Big Data Technologies to Optimise and Simplify the IT landscape

Presented by

Ken Medlock - Enterprise Architect, Global Strategy & Planning
Who is this guy?

Ken Medlock  
Enterprise Architect, Simplification and Big Data  
Twitter @kenmedlock

- Over 20 years IT experience in government, insurance and financial services
- Delivered many complex integration projects
- Passionate about delivering business value through innovative use of technology
- Leading simplification and decommissioning strategy and big data at ANZ

ANZ Banking Group

- One of the five largest listed companies in Australia and the number one bank in New Zealand.
- Presence in 34 markets across Australia, New Zealand, Asia, Pacific, Europe, America and the Middle East including our technology and operations centre Bengaluru, India.
Thinking differently - intense collaboration across the ecosystem

- University Partners
- Innovators / Startups
- Alliances
- Incubators
- Research Bodies
- Strategic Vendors
- Internal
- Industry Bodies
Simplicity is the shortest path to a solution.

Ward Cunningham
"The Simplest Thing that Could Possibly Work"
Growth for the sake of growth is the ideology of cancer cells

Edward Abbey

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### Strategic business priorities that IT is expected to have the most impact?

<table>
<thead>
<tr>
<th>Priority</th>
<th>Impact</th>
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<tbody>
<tr>
<td>1. Cost Reduction</td>
<td>55%</td>
</tr>
<tr>
<td>2. Competitive advantage through leveraging new technologies</td>
<td>52%</td>
</tr>
<tr>
<td>3. Reduce time to market</td>
<td>35%</td>
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</tbody>
</table>

### Strategies used for application portfolio modernisation

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Standardisation</td>
<td>56%</td>
</tr>
<tr>
<td>2. Consolidation</td>
<td>44%</td>
</tr>
<tr>
<td>3. Decommissioning</td>
<td>19%</td>
</tr>
</tbody>
</table>

Source: Capgemini Application Landscape Report - 2014
Why don’t we do it?

Decommission

Deliver New Functionality

Deliver New Functionality

Project Manager
Day 1

Project Manager
Day 5
There is an easier way

**Our Goal:** To establish an industrialised decommissioning capability to simplify the IT Portfolio

**1. Improve Quality**
- Improved customer & employee experience
- Reduced business process redundancy and complexity
- Increase application availability and decreased complexity

**2. Reduce Risk**
- Decreased regulatory, audit, or policy compliance risks due to end of life applications/platforms
- Decreased backup/recovery time
- Reduced reliance on legacy skills

**3. Increased Agility**
- Reduced duplication in application function,
- Improved time to market for new products/services
- Reduced delivery effort,
- More focus on capability than lifecycle

**4. Lower Cost**
- Decreased Business and IT operational costs, Reduced data centre footprint
- Decreased licensing software costs, Visible portfolio metrics (e.g. TCO)
Clear objectives are essential to validate the hypothesis

The proof points we targeted:

- Intuitive, flexible and configurable administration
- Integration with internal ANZ systems
- Automated retention and disposition of data
- Easy online access to archived data
- Metadata management
- Support for process auditing and reconciliation
- Fine grained access controls

The PoC was completed in 4 weeks
Validation of hypothesis led to the successful business case development and executive support.

**Decommissioning Service**
Enable solution retirement and simplification

**Business Cases**
Positive NPV in less than 12 months

**Concept**
- Configuration based data export
- Ad-hoc queries/data access services
- Automated propagation of technical metadata
- Audit & reconciliation and data retention policy capability

**Validation**

**Execution**

**Opportunity**
- Operations Analytics
- Information Discovery/Analysis
- Heterogeneous Data Storage & Processing
- Innovation & Applications
Lessons Learned

• Focus on business outcomes
• Executive support
• Metadata quality
• Appropriate use cases only
• Mindset and operational changes required