

Major Applications Portfolio Strategy

MAPS and Enterprise Architecture

Presentation to
Enterprise Architecture
Open House

June 23, 2008



Office of the Corporate
Chief Technology Officer

Presenter



Ron Huxter

Corporate Chief Technology Officer

Office of the Corporate Chief Information Officer



Office of the Corporate
Chief Technology Officer

Session Agenda



- MAPS: Project Overview
 - Short-term & Long-term Goals
 - Upcoming Work
 - Challenges
- MAPS and Enterprise Architecture
- Question Period



MAPS Overview



- Began as a review of OPS applications using an enterprise perspective
- Identified short-term risk to public service delivery due to technology obsolesce and environmental complexity
- Identified long term opportunities to leverage common infrastructure, common applications and new funding models



Findings To Date



- As of March 2008:
 - 77 mission- and business-critical applications are at high risk of impacting service delivery
 - Among those 77, nearly 50% are using outdated technology
 - Despite ongoing efforts to fix applications, the average risk of the portfolio has increased
- We need to find new ways to manage the application portfolio in the OPS



MAPS Short-Term Goals



- Mitigate Potential Application Failure
 - 200 of the 1,800+ applications in the OPS are categorized as “major”
 - Major applications are analyzed into nine risk bands (continuous process, rating technology profile & business value)
 - Highest risk applications are focus of specific action plans (base funding, budget process, in-year funding requests, etc.)
- Address Future Issues Now
 - Common infrastructure environments, software tools & applications
- Establish Common Methods and Tools
 - OPS standard system development life cycle
 - Industry, technology, application and standards roadmaps
 - Best practice technology adoption process (infrastructure, application)



MAPS Long-Term Goals



- Manage Applications
 - Continuous process of identifying highest risk technologies
 - Manage number of applications to “reasonable” inventory
 - Identify, deploy and leverage common/enterprise applications
- Manage Technical Environments
 - Consolidate and standardize common technologies (hw/sw)
 - Reduce complexity of technical footprint (target of one)
- Drive Application Portfolio Management through EA Concepts:
 - Enterprise risk management
 - Enterprise opportunity
 - Federated deployment



Upcoming Work



- Fix what's at risk:
 - Primary activity is at the cluster level to fix highest-risk applications or to build new/common applications
 - Most if not all development-related RFPs/RFSs will come from clusters
- Standardize and provision common application environments
 - Standardized .Net and Java environments (Development, Test, UAT, Staging and Production)
 - 3-5 year refresh of standardized environments
 - Ongoing maintenance of legacy environments (10+ yrs)
- Perform ongoing risk management
 - Institute an Application Portfolio Management program



Challenges



- Culture shift in OPS to link investment in systems to service delivery priority (basic principle of EA approach)
- Moving new application developments into common environments ... slowly at first and then hard to keep up
- Adopting enterprise-wide application portfolio approach to:
 - Investment (e.g., prioritization of IT spending, asset capitalization)
 - Managing legacy assets
 - Implementing enterprise-wide systems wherever possible
- Working with vendor community
 - Over time, simplified environments = standardized products
 - Maintaining viability of legacy systems

MAPS & Enterprise Architecture



- EA is not the solution, but the framework we're using to address it
- The enterprise portfolio will benefit from:
 - Standard products and environments
 - Architectural principles and processes:
 - Re-use
 - Common applications/services/components
 - Patterns & models
- Anticipated results:
 - Improved value to business on IT investments
 - Efficient use of resources for application development, management & maintenance



Major Applications Portfolio Strategy

Thank You

Questions?



Office of the Corporate
Chief Technology Officer

Contact Information



Ron Huxter

Corporate Chief Technology Officer

Office of the Corporate CIO

E-mail: ron.huxter@ontario.ca

Tel: 416-327-1476

Lakshmi Subash

MAPS Project Director

Corporate Architecture Branch

E-mail: lakshmi.subash@ontario.ca

Tel: 416-212-5183

Dave Harris

Manager, MAPS Implementation Project

Corporate Architecture Branch

E-mail: dave.p.harris@ontario.ca

Tel: 416-212-1361



Office of the Corporate
Chief Technology Officer