

Back to basics: building a baseline understanding of a complex IT Landscape

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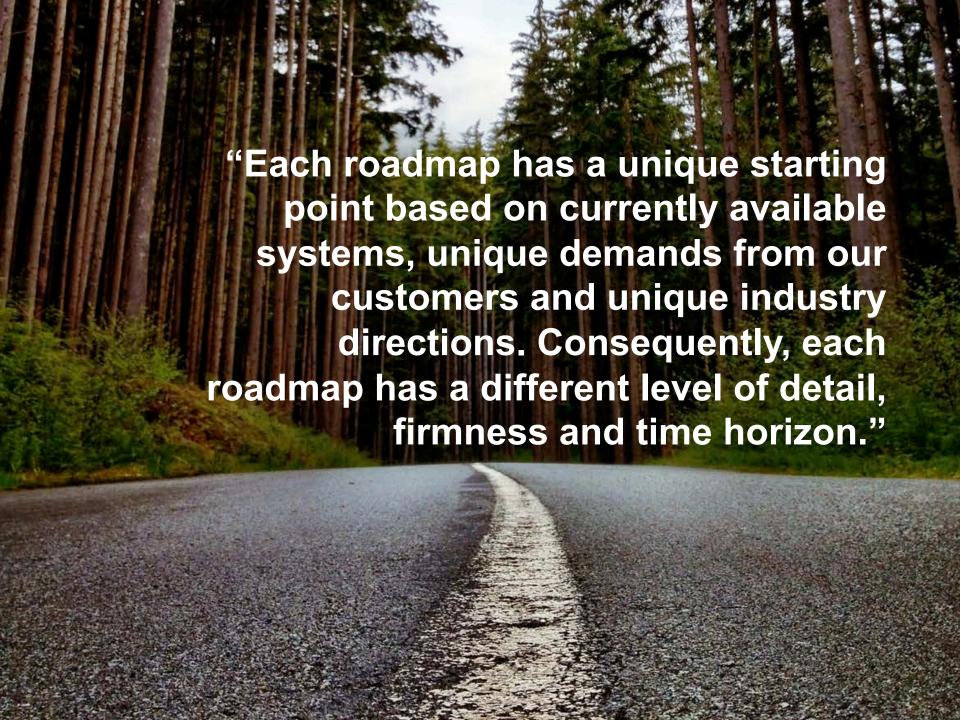
| | Enterprise IT Architecting | Enterprise Integrating | Enterprise Ecology |
|----------------------------|--|---|---|
| Motto | "EA is the glue between business and IT" | "EA is the link between strategy and execution" | "EA as the means for organizational innovation and sustainability" |
| Objectives and Concerns | Effective enterprise strategy execution and operations IT Planning and cost reduction Business Enablement | Effective enterprise strategy implementation Organizational coherence | Innovation and adaptation Organizational coherence System-in-environment coevolution |
| Principles and Assumptions | Reductionism Business strategies and objectives provided by the business are correct Independent design of organizational dimensions Disinterest in non-IT dimensions | Holism Environment as something to manage Business strategies and objectives provided by the business are correct Joint design of all dimensions | Holism System-in-environment coevolution Environment can be changed Joint design of all dimensions |
| EA Skills | Technical competence Engineering knowledge | Small group facilitationSystems thinking | Dialogue fostering System and System-in- environment thinking Large group facilitation http://goo.gl/R9w5P |

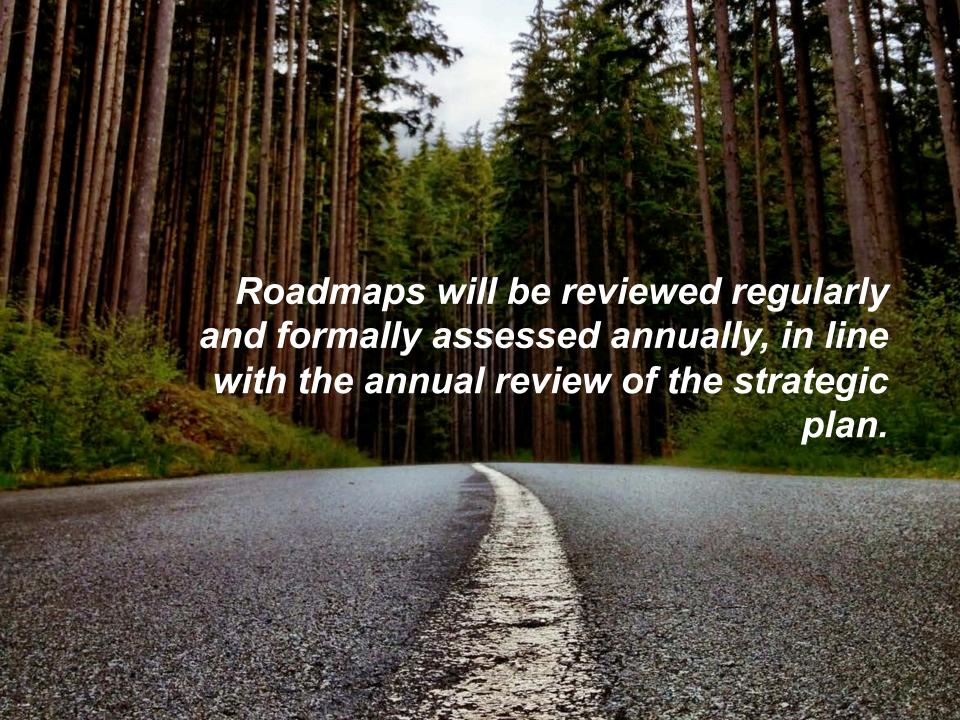
| | Enterprise IT Architecting | Enterprise Integrating | Enterprise Ecology |
|-------------------------|--|--|---|
| Perceived Challenges | Organizational understanding and acceptance of designed plans | Understanding organizational system dynamics Organizational collaboration Systems thinking paradigm shift | Fostering sense-making System-in-environment paradigm shift |
| Insights | Permits the design of robust and complex technological solutions Fosters the creation of high quality models and planning scenarios | Permits the design of comprehensive solutions Enables significant organizational efficiency by eliminating unnecessary contradictions and paradoxes | Fosters enterprise-in- environment coevolution and enterprise coherency Fosters organizational innovation and sustainability |
| Limitations | Susceptible to producing inadequate or unfeasible solutions for the larger organizational context Susceptible to considerable solution acceptance and implementation barriers Susceptible to "perfect" designs for unsustainable strategies syndrome | Susceptible to "perfect" designs for unsustainable strategies syndrome Requires a paradigm shift from reductionism to holism | Requires many organizational preconditions with regards to management and strategy creation Requires environments that may be influenced http://goo.gl/R9w5P |



Roadmaps: Where we started









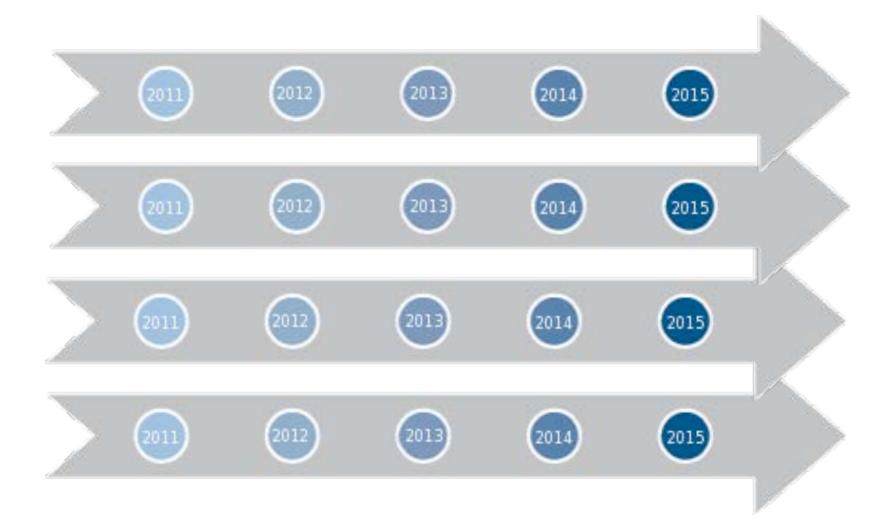


Initial Results were limited in scope



 Migrate Key Lock Upgrade DSX SQL · Retire ColdFusion platform System Migrate Oracle instance to Linux Migrate Utility Management Complete VDI System rollout in LBS Virtualize DSX Implement eRatex • Implement Verba servers Implement Implement centralized Nagios, GST/PST WSUS, Sophos Develop new Implement virtual chargeback system network in LBS for Campus Mail Implement UPass Implement new machines Archibus modules 2012 Implement FME Upgrade replacement VisualRatex application · VisualRatex server

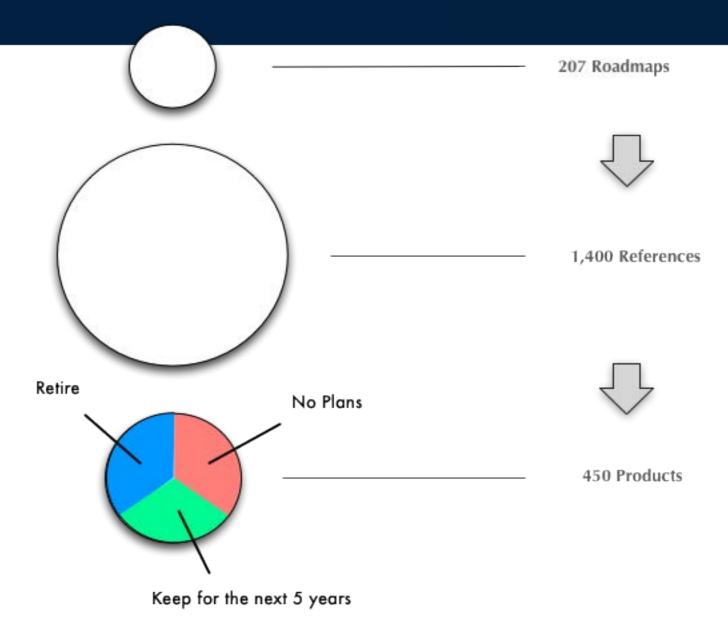




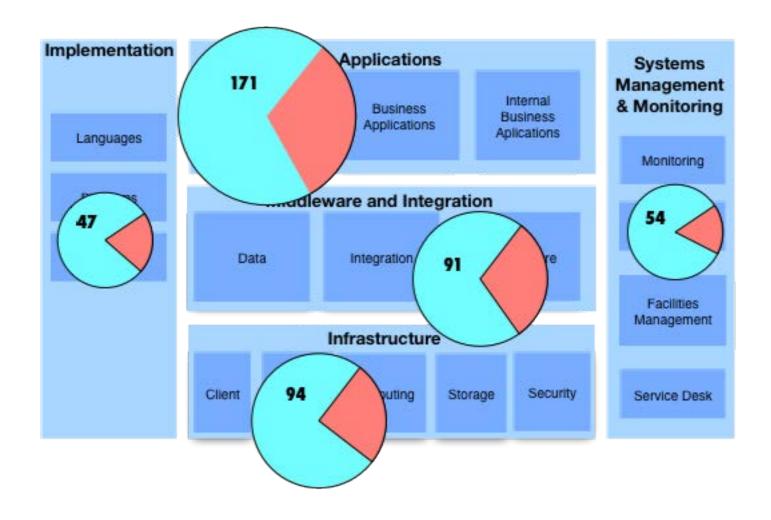


OK, but isn't there more to it?











The UBC IT landscape: applications classified by areas of concern

| IT Infrastructure | IAM | Student | Learning | Research | Finance | HR | |
|--|--|---|---|---|---|--|--|
| | | | Business layer | | | 1 | |
| UBC IT UBC IT | UBC IT Admin depts Faculties Academic depts | ES SD&S FoGS Faculties Housing | Faculties CTLT | ORS Faculties Departments | Finance Budget office Treasury Admin depts Academic depts | HR Admin depts Academic depts | |
| Manage collaboration platforms Manage infrastructure | Manage roles Provision Deprovision Maintain privacy | Recruitment Admission Assessment Promotion Graduation | Business processes Curriculum dev Course dev Teaching Grading Learning resources | Grant applications Grant admin Research Publication | Payables Receivables Year end Budgets | Recruitment Hiring HR policy Salary admin Benefits admin | |
| Collaboration Services FASMail Zimbra SharePoint Confluence UBC wiki Drupal sites Joomla Sitecore WordPress Sonic foundry | SIS:MSC SIS:Person HR:Person UBC directory UBC card Upass ACMS CWL EAD AD LDAP CAS Crowd Shibboleth Sailpoint | SIS:BBA SIS:registration SIS:financials SIS:curriculum SIS:assement SIS:awards OAMS Degree Nav Sauder:Exec ed Cont. Ed Synapps Admit-M Top apply Zapsolutions Nursing E. Port Symplicity CSM Symplicity Advocate Clockwork ImageNow | Learning Infrastructure Management AdAstra (Scientia) Course Eval SEoT Vista Connect CTC2 CTC3 Ratex Voyager ILS Learning Tools iClicker iPeer Kaltura Maple Mathematica Matlab OLI Chem Lab One45 PEP Respondus SAS SPSS UBC wiki Vimeo WebWork | Research Admin Rise Animal care My CV Domain specific Applications: | Finance FMS -GL -AR -AP Hyperion | eRecruit Base benefits HR Payroll ePAF ISIS Pension | Enterprise Data Warehouse BI apps Crystal nQuery SIS reports PAIR SQR |
| Middleware (domain agnostic | e) services | Domain spe | ecific applications: Learning | Research | Domain sp | cific Applications: A | dministration |

Technology layer

Integration layer (bus): HornetQ, SQR, ftp, PL/SQL, web services, Talend, JMS, Pentaho

Data management layer: MS Access, FoxPro, MySQL, Oracle 4, 8, 9i, 10g, 11g), Sybase, SQL Server

Application servers: Tomcat, Jboss (AS 6, EAP 6), IIS, Oracle IAS



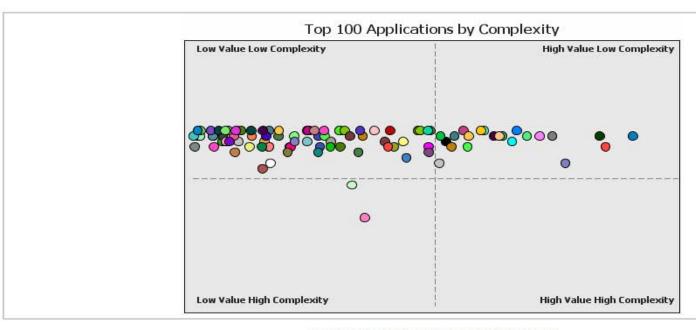
Future Management of the portfolio



Portfolio Complexity



This report displays application portfolio complexity against value.



View technology portfolio overview report.

Portfolio Complexity

Application Rationalization Analysis

The Application Rationalization Analysis report displays a score based on the following weightings:

Days Since Last Activity: 20
Number of Users: 20
Criticality: 30
High BIA Score: 30

| Applications | | | | | |
|---|-----------------|-----------------------|-------------------|-----------------------------|-----------|
| Name | IT Owner | Target Retire Date | Recurring Cost | Days Since Last Activity | Num Users |
| Accept and validate sales orders system | Nohemi Mccleary | 20-Sep-2013 | 88,465.00 | | 390 |
| Account for taxes system | Laila Rabe | 31-Mar-2013 | 134,894.00 | | Rej |
| Acquire workspace and assets system | Laila Rabe | 13-Dec-2011 | 62,413.00 | | |
| Acquire/develop changed IT service/solution component system | Rex Eisenhower | 3-Jul-2013 | 96,103.00 | | |
| Acquire/Develop IT service/solution components system | Rex Eisenhower | 21-Jun-2013 | 41,898.00 | | |
| Act as clearinghouse for IT research and innovation system | Kevin Song | 11-Feb-2015 | 190,240.00 | | 1 |
| Address tax inquiries system | Laila Rabe | 13-Apr-2013 | 56,664.00 | | |
| Adjust accounting records system | Ardath Deberry | 24-Mar-2016 | 262,073.00 | | 1 |

Report Dependencies

339

Max Criticality

To execute this report the following objects and properties must be completed:

339

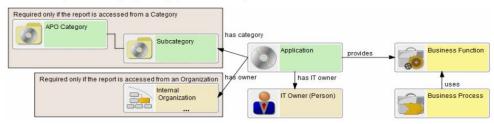
Rationalization

500

Score

Max BIA

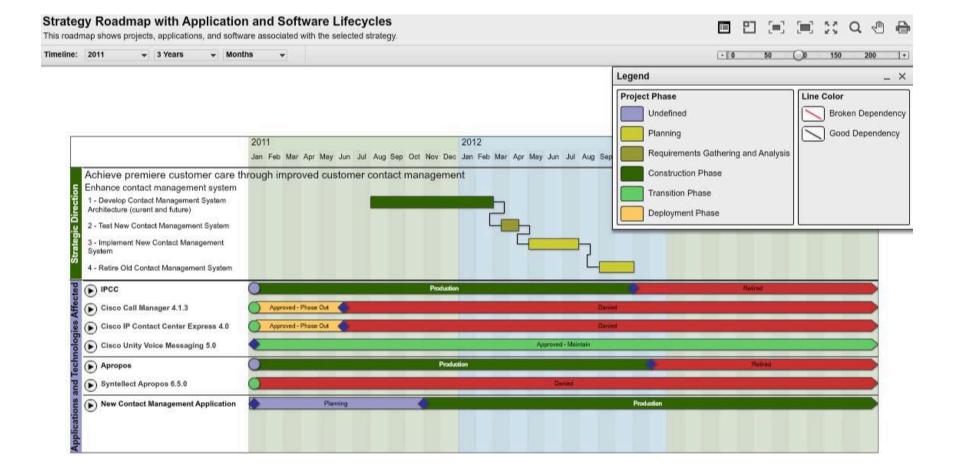
Score 5



For details, see the table below:

| Component | Component Property | Relationship (Component 1 [Relationship] Component 2) |
|--|--|---|
| Application | Name Stop Date Recurring Cost Login Date Accounts | Application [Application Component has IT owner Person] Person Application [Application provides Function] Business Function |
| Business Function | Name | |
| Business Process | Name Business Impact Analysis Score | Business Process [Business Process uses Function] Business Function with Criticality property |
| Person | Name | |
| APO Category Note: Required only if you want to filter Applications by APO Category. | Name | APO Category has subcomponent APO Category APO Category [APO Category is category for Application] Application |
| Internal Organization Note: Required only if you want to filter returned Applications by owning Organization. | Name | Internal Organization [Organization Component is owner of Application Component] Application Internal Organization has subcomponent Internal Organization Organization |







Application Steward



· Owns Applications and Lifecycles

Establish & Publish Application Inventory



- Document Applications
- Relate Org Units, Processes

Rationalise Portfolios

& Demands

Application Value Analysis

Application Rationalization

· Business Priority Alignment

Propose Demands

· Standards Fit

· Document costs

Ensure Accuracy & Currency of Information



- Analyze data quality
 - Analyze data gaps
- · Synchronise with current environment

Manage Application Lifecycles



- · Manage deployment lifecycles
- Manage usage lifecycles (Products, sunset, retired)

Troux EA Repository Supports:

- Centralized enterprise viewpoint
- Data accuracy, currency and completeness

Analyze applications

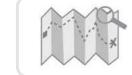
- Change governance
- Integrated application lifecycle management

Office of CIO



Analyzes the application portfolio for optimization opportunities

Roadmaps



- roadmaps

Analyse Transition



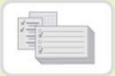
- Consume deployment
- Consume usage roadmaps

Enable Transition Planning



- · Perform impact analysis
- · Support business case





- productivity

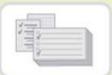
View application transition roadmaps

across multiple

dimensions

Proactively understand the impact of change across the enterprise

Benefits Measured



- · Increased value and
- Improve Profit margins

Easily involve business stakeholders

- **Business impacts** readily traceable
 - Support large and diverse user populations with robust permissions management.

The University



· Responsible for enacting projects

Business case for new investments · Existing portfolio impacts, risks and

investment scope





INFORMATION TECHNOLOGY

engage • envision • enable