

INF104 : Application Tier Infrastructure Upgrade - Project Brief

Project Brief

1. Overview

1.1 Background

The existing corporate applications infrastructure is reaching end of life and exhibits signs of stress running the current business services. Support for this infrastructure is very costly and cost savings will be achieved migrating to an enhanced infrastructure (such as an x86 based infrastructure similar to the new database tier). Support for the physical infrastructure may expire from the hardware supplier. Significant performance improvements will be achieved moving to an enhanced infrastructure.

The project will evaluate the current applications infrastructure and provide recommendations on the strategy for application tier implementations moving forward to ensure services operate on a more up to date, supportable infrastructure. The project will define how cost savings and performance improvements will be measured.

1.2 Scope

The project will review the shared infrastructure for corporate application tier services provided through Ardvreck and Chrichton.

The project will not carry out the migrations. The migration work will be done as part of future projects across a number of portfolios and programmes.

1.3 Objectives

The objective of the project is to produce a strategy document detailing the options for migrating applications from the current infrastructure. The outcomes of the document will be used to inform the relevant business areas about the need to migrate their applications to the new infrastructure. It is crucial that this is done in time for the forthcoming Annual Planning exercise for 14/15 projects, so that the migration activity can be incorporated into the programmes of work for 14/15.

1.4 Deliverables

Strategy document covering the following points:

- Current application infrastructure (residing on Ardvreck and Chrichton)
- Types of technology running on the current infrastructure
- Whether any technologies (e.g. Solaris) should be deprecated
- Recommendations for using virtual infrastructure
- Recommendations for new infrastructure technology (e.g. moving from Unix to Linux, x86 based)
- Recommendations for bringing Windows and Unix application infrastructure into alignment
- List of applications by business area that need to be migrated
- Ensuring VM infrastructure is future proof, detailing maximum capacity
- How the cost savings and performance improvements will be measured

1.5 Benefits

The tangible benefits (e.g. performance improvements, cost savings) will be delivered during follow-on projects, however this project will provide some intangible benefits such as:

- Providing a clear strategy for the applications migrations.
- Clarifying the current position of the applications infrastructure.
- Providing recommendations for aligning Unix and Windows application infrastructure.
- Establishing a plan for moving to up-to-date technology.

1.6 Success Criteria

- Strategy and recommendations detailed in the document are agreed by key stakeholder groups.
- All business applications needing migrated have been identified in time for the 14/15 annual planning exercise.
- Cost savings and performance improvements have been identified, and plans for how they will be measured have been agreed.

Project Milestones

Target Date	Title	Stage	Complete
26-Aug-2013	Start Date	Initiate	Yes
18-Oct-2013	Planning	Plan	Yes
22-Nov-2013	Assessment Complete	Accept	No
29-Nov-2013	Strategy Document Review	Deliver	No
06-Dec-2013	Delivery (Strategy Document Complete)	Deliver	No
20-Dec-2013	Closure	Close	No

2. Impact

2.1 Priority and Funding

This is a priority 2 project and is core funded.

2.2 Impact and Dependencies

The annual planning exercise for 14/15 is dependant on this project. The outcomes of the project will inform business areas about the applications needing migrated, thus ensuring that the migrations are planned into programmes of work for 14/15.

Project Risks

Title	Impact	Probability	Status	Risk Owner
Resources - ITI	High	Low	Open	David Smyth
Review of business applications	High	Low	Open	Adam Wadee
Resources - IS Apps	High	Medium	Open	Adam Wadee

3. Organisation

3.1 Work/Task Breakdown

The main focus of the project is the assessment of the current application tier services, leading to recommendations and policies for migrating to new infrastructure. The assessment will involve:

1. Information gathering to establish a list of existing applications running on the current application infrastructure.
2. Agreement of the strategy and policies for migrating to the new infrastructure. The strategy and policies must be agreed by key stakeholder groups such as ITI Unix and ITI Architecture.
3. Confirmation of the old infrastructure that is no longer required and can be decommissioned.
4. Obtaining a clear picture of the applications by business area that need migrated and incorporated into projects for the 14/15 Annual Planning exercise.

3.2 Resources Skills and Cost

The project will require input from IS Apps (Development Services, Production Management and Project Services), as well as ITI Unix and ITI Architecture.

15 days IS Apps effort will be required.

Project Stakeholders

Name	Business Area	Role	Communication Plan
David Smyth	IS Apps - Production Management	Project Sponsor	
Adam Wadee	IS Apps - Project Services	Project Manager	
Maurice Franceschi	IS Apps - Project Services	Programme Manager	
Apollon Koutlidis	ITI - Unix	Service Owner	
Gary Scobie	ITI - Architecture	Service Owner	
Iain Fiddes	IS Apps - Development Technology	Senior Technical Architect	
Stefan Kaempf	IS Apps - Production Management	Production Management Coordinator	
Heather Larnach	IS Apps - Production Management	Production Management Coordinator	
Gillian Henderson	IS Apps - Development Technology	Technical Architect	

Project Estimations

Title	Spreadsheet	Stage	Date Completed
Planning Estimation		Plan	16-Oct-2013



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