



ADOA - ASET

Arizona Strategic Enterprise Technology

Project Investment Justification

Version 01.01

A Statewide Standard Document for Information Technology Projects

Project Title:

Microsoft SQL Licensing

Agency Name:	Arizona Department of Administration
Date:	05-21-2014
Agency Contact Name:	David Nale
Agency Contact Phone:	
Agency Contact Email:	

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I. Management Summary*

In the pursuit of solutions that provide the shared services, scalability and business continuity needed to meet the expected level of growth across the enterprise, ADOA-ASET is implementing a 'Cloud First' strategy. To support the cloud strategy and those applications making use of the Microsoft SQL (MS SQL) database platform, a cloud-compliant MS SQL license type is required.

II. Project Investment Justification (PIJ) Type*

Yes No Is this document being provided for a Pre-PIJ / Assessment phase?

If Yes,

Identify any cost to be incurred during the Assessment phase.	\$0
Based on research done to date, provide a high-level estimate or range of development costs anticipated for the full PIJ.	

Explain:

Yes No Will a Request for Proposal (RFP) be issued as part of the Pre-PIJ or PIJ?

III. Business Case

A. **Business Problem***

One of ADOA-ASET's key services is the storage of data in repositories called databases. MS SQL Server is a relational database management system whose primary function is to store and retrieve data requested by other software applications. ADOA-ASET currently provides database support services to customers who utilize the MS SQL Server database software to enable their application functionality.

ADOA-ASET's current in-house MS SQL offers limited backup and disaster recovery options and limited redundancy. Therefore, moving to a cloud environment increases the exposure that would be induced by a disaster recovery incident unless the appropriate MS SQL license type is implemented. In a previous PIJ, AD14008, funds were approved for the renewal of the current MS SQL license type. Prior to renewal that license type was determined to be insufficient to meet our needs. Those funds will be used to continue the progress of other sub-projects contained in that PIJ.

B. **Proposed Business Solution***

To alleviate current MS SQL limitations of the current license type introduced by transition to the cloud environment, ADOA-ASET proposes implementing a license type that will support the creation of a cloud architecture. Implementing this license type will give ADOA-ASET and its customers the benefits of increased redundancy and reduced disaster recovery risk in the cloud environment.

C. **Quantified Benefits***

Service enhancement

- Increased revenue
- Cost reduction
- Problem avoidance
- Risk avoidance

Explain:

The MS SQL database platform is an integral part of many current applications used Statewide. The proposed license type will make possible the ADOA-ASET planned MS SQL database architecture in the cloud and will enable the benefits of increased redundancy and reduced disaster recovery risk. By having the data reside in multiple secure locations, the chance of service downtime or data loss goes down.

IV. Technology Approach

A. Proposed Technology Solution*

The required technology license, Microsoft SQL Server Enterprise 2 Core license type supports ADOA-ASET's planned cloud and database architecture. To ensure we gain the benefits of added redundancy and reduced disaster recovery risk, ADOA-ASET will have data reside in multiple regions in both Development and Production environments.

B. Technology Environment

The current (old) database technology platform makes use of MS SQL. The existing licenses support backup and disaster recovery capabilities and redundancy in the current, non-cloud environment. However, the existing licenses do not support those capabilities in the cloud environment to which we are committed.

The proposed MS SQL license type offers comparable functional and technical capabilities in a cloud environment.

C. Selection Process

ADOA-ASET uses the MS SQL platform for its customers and its own business operations. It would not be cost-effective to change to a different database platform solution while moving to the cloud environment.

V. Project Approach

A. Project Schedule*

Project Start Date: 5/31/2014

Project End Date: 12/31/2014

B. Project Milestones

Major Milestones	Start Date	Finish Date
Purchase updated licenses	5/31/2014	5/31/2014
Implement licenses in development environment	6/1/2014	6/1/2014
Test architecture in development environment	6/2/2014	7/30/2014
Implement licenses in production environment	7/31/2014	7/31/2014

Create architecture in production environment	8/1/2014	12/30/2014
Project completion	12/31/2014	12/31/2014

VI. Roles and Responsibilities

A. *Project Roles and Responsibilities*

Project Sponsor: Kiran Chinnagangannagari, Chief Technology Officer, ADOA-ASET

Project Manager: David Nale, Project Manager, ADOA-ASET

Technical Leads: Tanja Schmitt, Manager, Database Resources, ADOA-ASET
 Arminster Singh, Administrator, Database Resources, ADOA-ASET

B. *Project Manager Certification*

- Project Management Professional (PMP) Certified
- State of Arizona Certified
- Project Management Certification not required

C. *Full-Time Employee (FTE) Project Hours*

Total Full-Time Employee Hours	60
Total Full-Time Employee Cost	\$5,700

VII. Risk Matrix, Areas of Impact, Itemized List, PIJ Financials

VIII. Project Approvals

A. Agency CIO Review*

Key Management Information	Yes	No
1. Is this project for a mission-critical application system?	X	
2. Is this project referenced in your agency's Strategic IT Plan?	X	
3. Is this project in compliance with all agency and State standards and policies for network, security, platform, software/application, and/or data/information as defined in http://aset.azdoa.gov/security/policies-standards-and-procedures , and applicable to this project? If NO , explain in detail in the "XI. Additional Information" section below.	X	
4. Will this project transmit, store, or process sensitive, confidential or Personally Identifiable Information (PII) data? If YES , in the "XI. Additional Information" section below, describe what security controls are being put in place to protect the data.		X
5. Is this project in compliance with the Arizona Revised Statutes (A.R.S.) and GRRC rules?	X	
6. Is this project in compliance with the statewide policy regarding the accessibility to equipment and information technology for citizens with disabilities?	X	

B. Project Values*

The following table should be populated with summary information from other sections of the PIJ.

Description	Section	Number or Cost
Assessment Cost (if applicable for Pre-PIJ)	II. PIJ Type - Pre-PIJ Assessment Cost	
Total Development Cost	VII. PIJ Financials tab	\$160,292.70
Total Project Cost	VII. PIJ Financials tab	\$276,892.86
FTE Hours	VI. Roles and Responsibilities	60

C. Agency Approvals*

Contact	Printed Name	Signature	Email and Phone
Project Manager:	David Nale		
Agency Information Security Officer:	Mike Lettman		
Agency CIO:	Aaron V. Sandeen		
Project Sponsor:	Kiran Chinnagangannagari		
Agency Director:	Brian C. McNeil		

IX. Optional Attachments

A. *Vendor Quotes*

X. Glossary

XI. Additional Information

In conjunction with this project, the Security, Privacy and Risk (SPR) team within ADOA-ASET is implementing a series of initiatives to help ensure that all sensitive, confidential and Personally Identifiable Information (PII) data is securely hosted in the cloud environment, in alignment with federal and State guidelines, policies and current best practices. Qualification testing of each application that makes use of the MS SQL platform will be part of the acceptance process.

Links:

[ADOA-ASET Website](#)

[ADOA-ASET Project Investment Justification Information Templates and Contacts](#)

Email Addresses:

[Strategic Oversight](#)

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