



ADOA - ASET

Arizona Strategic Enterprise Technology

Project Investment Justification

Version 01.02

A Statewide Standard Document for Information Technology Projects

Project Title:

Replacement DPS Storage System

Agency Name:	Arizona Department of Public Safety
Date:	March 16, 2015
Agency Contact Name:	Roger Baune
Agency Contact Phone:	
Agency Contact Email:	

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I. Management Summary*

The current Storage System utilized at the Arizona Department of Public Safety (AZDPS) is entering the stage of increasing annual maintenance and is seeing performance issues. The yearly maintenance and the cost of upgrading this system is cost prohibitive with the current storage manufacture for AZDPS. Therefore, the AZDPS will be purchasing two Nimble Storage CS300 systems to replace the Netapp 3240 system.

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.	\$0.00
Based on research done to date, provide a high-level estimate or range of development costs anticipated for the full PIJ.	\$0.00

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*

A thorough review of the current Storage System utilized at AZDPS identified cost escalation and performance issues of an aging system.

B. Proposed Business Solution*

AZDPS will replace the aging Netapp 3240 storage system with two new Nimble Storage CS300 storage systems. The first system will be housed at DPS headquarters and will be a one for one swap with the current Netapp, the second system will be purchased to replicate our data to another secure location that meets ACJIS security standards in case of site failure. This will allow AZDPS to do disaster recovery for our open systems.

C. Quantified Benefits*

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

Explain:

Current annual maintenance for a 3 year period on the existing Netapp 3240 system is \$348,000, with the expectation of annual maintenance increases. Replacement of the current system with two Nimble Storage CS300 systems will be a one time cost of \$287,178.04 spread over 2 fiscal years, which will include 3 years of maintenance and support. As such, AZDPS expects to be able to address existing performance issues and the need for a disaster recovery system, for less than what would be paid in annual maintenance over the next 3 years for the current system.

IV. Technology Approach

A. **Proposed Technology Solution***

AZDPS will install two new Nimble Storage CS300 storage systems. Nimble Storage's Adaptive Flash platform is the first storage solution to eliminate the flash performance and capacity tradeoff. The Adaptive Flash platform is based on Nimble's CASL™ architecture, and InfoSight™, the company's data sciences-based approach to the storage lifecycle. This solution includes all software licensing and will increase performance and reduce costs.

B. **Technology Environment**

2 Nimble Storage CS300 with 10G iSCSI interfaces will be added. The Nible Storage system is compatible with our current servers, network equipment and racks at both locations. In addition the new storage protocols are compatable with our existing systems.

C. **Selection Process**

AZDPS Compared product specifications, prices, past professional experience and queried current customers of Netapp, IBM, EMC, HP and Nimble Storage.

V. Project Approach

A. **Project Schedule***

Project Start Date: April 2, 2015 **Project End Date:** June 30, 2016

B. **Project Milestones**

Major Milestones	Start Date	Finish Date
PROJECT STARTUP	4/2/2015	4/2/2015
ENVIRONMENT SETUP AND INSTALL	4/3/2015	4/5/2015
AZDPS GO LIVE TESTING	4/5/2015	4/30/2015
CONVERSION LIMITED DATA UPDATE	4/30/2015	4/30/2015
TRAINING AND GO LIVE	4/30/2015	5/15/2015
POST GO LIVE TASKS	5/15/2015	5/30/2015
ENVIRONMENT SETUP AND INSTALL OF DR	6/2/2016	6/3/2016
CONVERSION LIMITED DATA UPDATE OF DR	6/30/2016	6/30/2016

VI. Roles and Responsibilities

A. *Project Roles and Responsibilities*

The AZDPS will provide a Project Manager, a Technical Manager and a Storage Administrator. Installation will be handled by Transource Computers. Installation costs are included in the total amount quoted.

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	80
Total Full-Time Employee Cost	\$

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	\$0.00
Total Development Cost	VII. PIJ Financials tab	\$257,178.04
Total Project Cost	VII. PIJ Financials tab	\$287,127.04
FTE Hours	VI. Roles and Responsibilities	80

C. Agency Approvals*

Contact	Printed Name	Signature	Email and Phone
Project Manager:	Michele Johnson		
Agency Information Security Officer:	Roger Baune		
Agency CIO:	Gregg Hayes		
Project Sponsor:	Roger Baune		

IX. Optional Attachments

A. *Vendor Quotes*

X. Glossary

XI. Additional Information

The entire DPS network is encrypted using FIPS140-2 encryption devices, additional none of this traffic is publicly accessible and network traffic for these devices are vlan separated from all end user traffic.

Links:

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[Strategic Oversight](#)

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