

DE23006 DTS DCDR - Data Center Disaster Recovery

State of Arizona – DES

Change Request

ITAC Meeting June 21, 2023



DEPARTMENT OF ECONOMIC SECURITY

Your Partner For A Stronger Arizona

Agency Vision

All Arizonans who qualify receive timely DES services and achieve their potential

Agency Mission

DES will ensure the strength and economic stability of Arizona by providing timely, temporary benefit assistance, and aid to vulnerable, qualifying Arizonans.



Team Introduction

Roles Present at ITAC

- Mark Darmer - DTS CIO
- Clayton Sikes - DTS Deputy CIO
- Deborah Foley - Operations Senior Program Manager
- Steven Pickering - Cloud and infrastructure Senior Manager
- Paul Wills - Network Senior Manager
- Lori Cunningham - Disaster Recovery Manager

Project Introduction

Date/high-level overview of the approved original project investment justification (PIJ):

On Oct 19 , 2021 ADOA ASET approved the original project investment justification (PIJ) to procure the DTS DCDR Data Center Disaster Recovery Project solution.

This solution:

- The solution selected will back up our infrastructure and server data to the Amazon Web Services (AWS) cloud using VMware Cloud Disaster Recovery (VCDR) software as a solution (SaaS) from VMWare allowing for a 4 hour recovery time.
- By utilizing the VMWare/AWS solution, all DES business units that serve Arizona citizens would be able to continue their critical services despite loss of the physical infrastructure located at Iron Mountain.
- Implementation of the VMWare/AWS solution would provide Risk Avoidance through the ability to mirror the DES systems to an offsite, cloud-based solution.
- The solution overall would be in keeping with the the State's goal of a cloud first approach.

The original PIJ spanned *Nov 2021 - May 2022* and had development costs of \$1,186,955.78

Project Change Request Overview

What in the PIJ is changing?:

- ✓ Timeline
 - From 5/10/23 to 11/30/23
- ✓ Scope
 - Descoping _____ and/or Adding XX

What initiated this change?:

- This change is to create 2 new networks for our F5 Load Balancer to accommodate disaster recovery.
- Without this change any application using the F5 Load Balancer will not be able to participate in disaster recovery.
- Risk was identified on April 17th.

Revised Project Timeline (if applicable)

Identify any change in timeline and possible benefits:

Milestone Name	Milestone Health	% Complete	Original Start Date	Original End Date	Revised Start Date	Revised End Date
Planning Phase		100	11/17/2022	12/30/2022	11/7/2022	12/30/2022
SSP Document Completed/Submitted		100	11/7/2022	12/7/2022	10/26/2022	11/4/2022
Execute Phase Deploy		100	3/6/2023	4/28/2023	4/3/2023	5/26/2023
Training		100	4/6/2023	4/6/2023	3/20/2023	4/28/2023
Modify Network		0			6/1/2023	10/30/2023
Closure Phase		95%	4/24/2023	4/25/2023	4/28/2023	11/30/2023
Final Payment of invoices		100	4/7/2023	5/10/2023	4/7/2022	11/30/2023

Revised Project Scope (if applicable)

Identify any change in scope and possible benefits:

During the course of the project, we discovered that the current F5 Load balance network could not support Disaster Recovery testing.

- This change is to create 2 new networks for our F5 Load Balancer to accommodate disaster recovery.
- Without this change any application using the F5 Load Balancer will not be able to participate in disaster recovery.
- Risk was identified on April 17th.

Q & A Session

Recommended Conditions

ADOA-ASET Conditions

1. Should development costs exceed the approved estimates by 10% or more, or should there be significant changes to the proposed technology scope of work or implementation schedule, the Agency must amend the PIJ to reflect the changes and submit it to ADOA-ASET, and ITAC if required, for review and approval prior to further expenditure of funds.
2. Monthly reporting on the project status is due to ADOA-ASET no later than the 15th of the month following the start of the project. Failure to comply with timely project status reporting will affect the overall project health. The next status report for this project is due on July 15, 2023.