ADOT Data Center Migration

Arizona Department of Transportation
Information Technology Group

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Physical Approach

Objective: Decommission end of support hardware, move everything else that's not going to AWS to the state hosted Data Center

- Design Infrastructure at IM
- Review with ADOA and AZNET
- Create schedule and roadmap
- Procure Services & Equipment

- Test Networks
- Test Storage
- Test Servers
- Test Security & Compliance

- Monitor and Stabilize
- Optimizations
- Decommissions

Q DISCOVERY	📅 PLANNING	🖥 DEVELOPMENT	❄ VALIDATION	☁ MIGRATION	✴ POST MIGRATION

- Define project Objectives
- Define Success Criteria
- Assess current Infrastructure
- Define Budget Requirements
- Define 5 year strategy

- Build Network Infrastructure
- Build Storage Infrastructure with Zadara
- Build New Server Infrastructure
- Upgrade old Server OS's
- Finalize Support Structure

- Server Migration Plan
- Storage Migration Plan
- Network Migration Plan
- Migrate Remaining Networks
- Migrate Virtual Servers & Storage
- Migrate Physical Servers & Storage

Project Scope

- Application Assessment
- Security and Operational Readiness
  - Security and Operational Playbook
  - Create Operations POC
  - Perform Windows 2008 Migration for POC
- Database Assessment / Infrastructure Deployment
  - Detailed Migration Planning & Application Migration (7 Apps)
  - Database Design and Migration Strategy
  - Design Patterns

- Storage POC - Zadara
- Workload Migration - AWS
- Network Migration
- Storage Migration - Zadara
- Physical Data Center Move

Schedule – Program Roadmap

Data Center Migration Program Roadmap (as of 6/24/21)
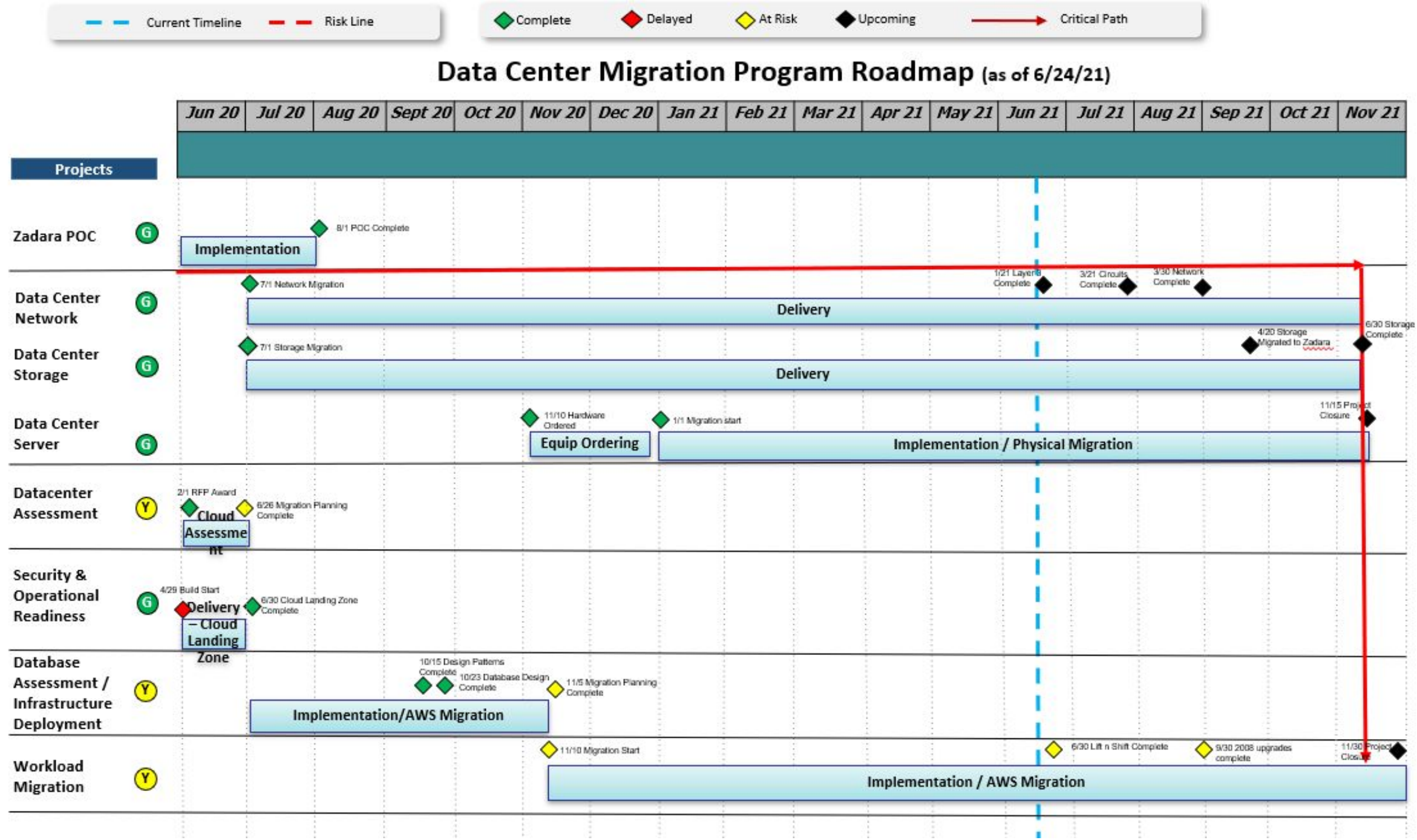
Summary

The proposed change is a request to extend the project end date to November 2021 for the following reasons:

- delays due to unexpected technical complexities associated with building our automation platforms
- unplanned compatibility challenges during Server 2008 upgrades

There will be no change to the project scope or cost.

The proposed schedule change will:

- Enable the agency to complete the workload, network and storage migrations

Questions