

Technology Services Board Portfolio/Policy Subcommittee Meeting

April 8, 2021

9:00 a.m. – 11:00 a.m.

Agenda

TOPIC	LEAD	PURPOSE	TIME
Welcome and Introductions	Mark Quimby	Introductions	9:00
Approve Minutes from Feb. 11 Subcommittee Meeting	Mark Quimby	Approval	9:04
Standard 161.07: NG9-1-1 Geospatial Data Standard - Update	Sue Langen Joanne Markert	Review/Recommend for Approval	9:05
Enterprise Cloud Computing Program Status	Sue Langen Dan Mercer	Program Status	9:15
Public Comment			9:45

Current TSB Members

Industry Members

Butch Leonardson – Retired CIO

Paul Moulton – Costco

Legislative Members

Rep. Matt Boehnke – House R

Sen. Joe Nguyen – Senate D

Sen. Ann Rivers – Senate R

Executive Branch (Agency Directors)

Mark Quimby – Acting State CIO & Chair

David Danner – UTC

Tracy Guerin – DRS

Vikki Smith – DOR

Other Government

Viggo Forde – Snohomish County

Vacancies:

Industry Representative

House Democrat

Labor Union Representative

Members present

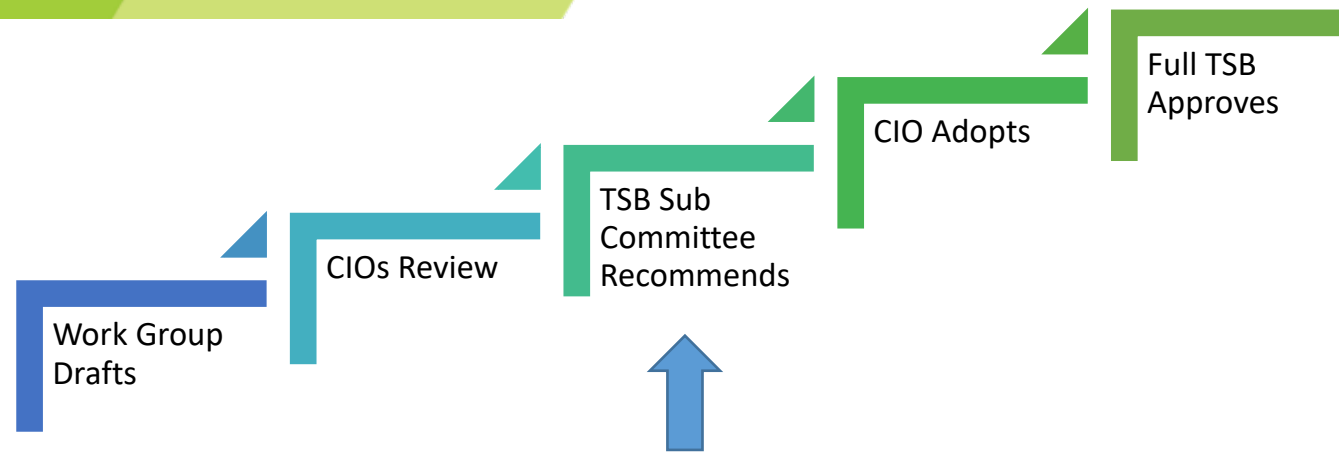
Members absent

Approve 02/11/2021 Minutes

Standard 161.07 NG9-1-1 Geospatial Data Standard

Technology Services Board Portfolio/Policy Subcommittee
Meeting

Where Are We?



- Review and update of an existing standard
- Request for update from State 911 Office @ WA Military Department
- Reviewed with state 911 GIS workgroup, includes local Public Safety Answering Points (PSAPs) representation
- Agency GIS managers through technical committees OCIO leads
- Geographic Information Technology Committee members (includes agency CIOs/ deputy CIOs)
- State agency CIOs
- Comments were reviewed and integrated into versions of the standards, to create the one offered today for approval

Standard 161.07 NG9-1-1 Geospatial Data Standard



Purpose of action

- Approve updates based on sunset review of standard



Business case

- Refined language and references in the standard to more current information
- [RCW 38.52](#)



Key objectives

- Realign Washington NG 911 standards with federal requirements
- Have users adopt the latest federal standards



Strategic alignment

- Supports efficient, effective and accountable government by maintaining consistent standards with federal requirements and across Washington state



Implementation

- Continue current process and workflows
- Reviewed with potentially impacted stakeholders, local Public Safety Answering Points (PSAPs) & State 911 Office



Success criteria

- Implementation of the most recent federal standards for NG911
- PSAP solutions and data are using the recent federal standards

- Recommend approval of updates to Standard 161.07: NG9-1-1 Geospatial Data Standard?

Enterprise Cloud Computing (ECC) Implementation Project

Technology Services Board Portfolio/Policy Subcommittee
April 8, 2021

- Quick Review of the State's Cloud Computing Strategy
 - Origins – the Statewide Cloud Readiness Assessment
 - Components of the State's Cloud Computing Strategy

- Learn the Strategic Role of the Enterprise Cloud Computing (ECC) Program

- Examine the ECC Implementation Project
 - Objectives
 - Status and Next Steps

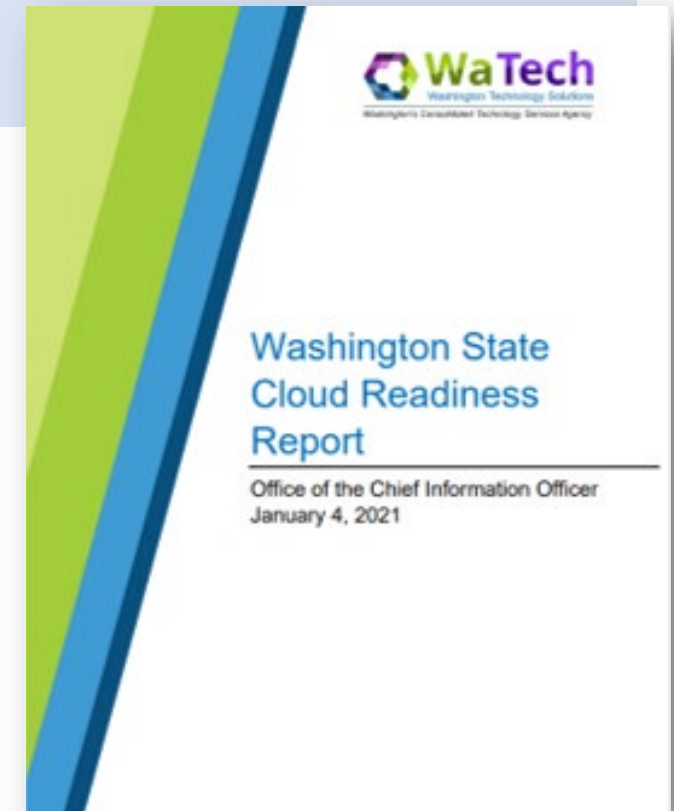
State Cloud Readiness Assessment

2019 Legislature directed the OCIO to conduct a statewide cloud readiness assessment to:

- Prepare for migration of core services to the cloud.
- Identify ways the state can reduce costs, with targets.
- Evaluate impacts to agencies and the state's IT workforce.

Unisys was contracted to conduct the study

- Unisys documented results and recommendations in a 377-page report.
- The Unisys recommendations are the basis for the OCIO's *Washington State Cloud Readiness Report* and associated cloud migration plan.
- Both documents are available on the OCIO's public website at:
<https://ocio.wa.gov/reports>



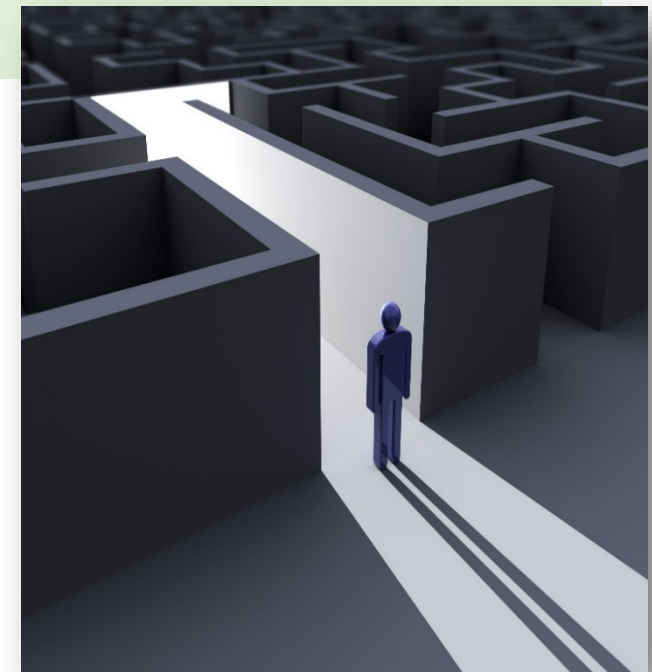
Key Assessment Findings and Recommendations

Key Findings:

- Most virtualized server-based applications are cloud ready but not necessarily cloud optimized.
- Moving existing applications to the cloud yields \$60M net benefit (47% ROI), assuming 9000 servers and 3300 applications are migrated to cloud services over 5 years, and no new hardware is purchased.
- Neither state agencies nor the IT workforce are ready for large-scale migrations.
- Cloud is not just about savings – it is the foundation for innovation and transformation.

Key Recommendations: Take an Enterprise Approach!

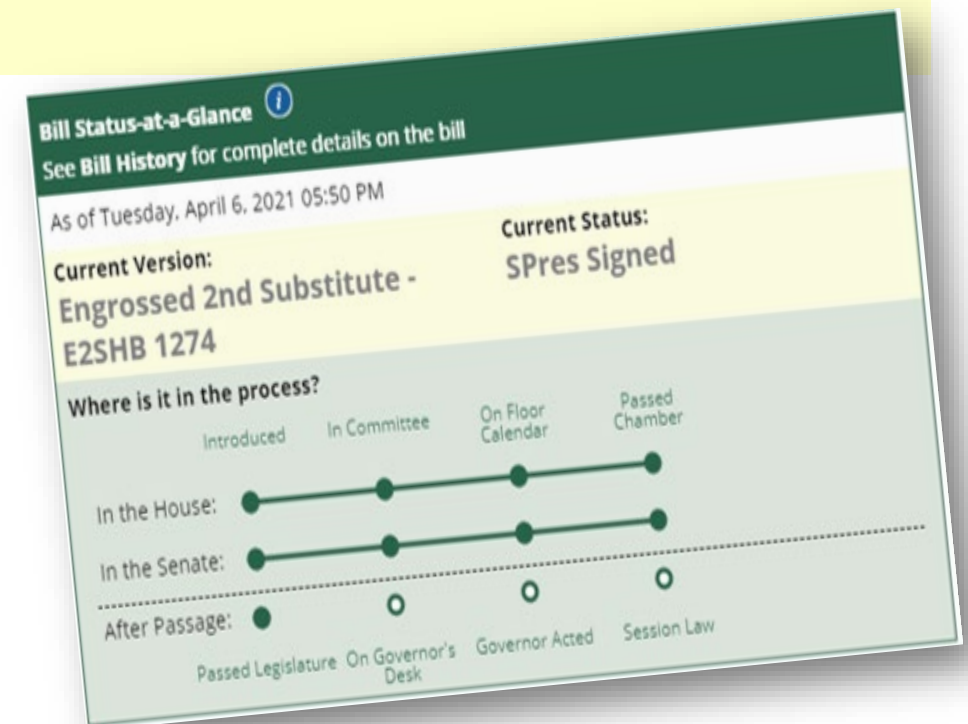
- Formalize statewide cloud strategy and policies.
- Prepare agencies, workforce, applications, security, and network.
- *Start by establishing a central Cloud Broker and Cloud Center of Excellence (CCoE) to facilitate efficient migrations, and enable secure and cost-effective long-term adoption, operations, and innovation.*



State Cloud Strategy in Legislation

Engrossed 2nd Substitute HB 1274

- Section 1 (3) Therefore, the legislature **intends to migrate the state's information technology toward cloud services**, which will deliver the capacity, security, resiliency, disaster recovery capability, and data analytics necessary to allow the state to provide Washingtonians the services they require during this pandemic and in the future.
- **State agencies are required to locate** all existing and new information or telecommunications investments **in the SDC or** within third-party, **commercial cloud computing services**.
- **A task force on cloud transition** is established. The task force must review impacts on the workforce, retraining needs, and optimal methods to deliver such training and report its recommendations to the Governor and Legislature by November 30, 2021.

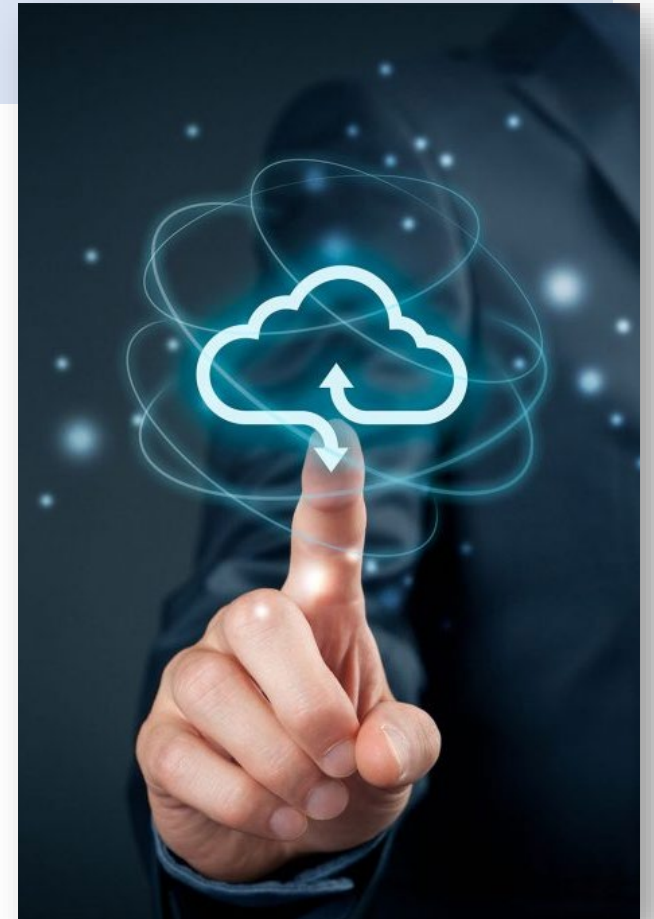


Formalize Cloud Strategy and Policies

Recommended Strategy - Agencies *shall adopt cloud solutions* for new IT investments. Existing IT systems *shall be migrated* to cloud solutions unless doing so imposes an unmanageable risk or hardship.

Recommended Cloud Policies

- After June 30, 2022, all new IT initiatives must use approved cloud solutions – no new hardware purchases will be approved.
- By June 30, 2022, agencies will report a list of applications and target migration dates, and report progress annually.
- By June 30, 2026, all *cloud-ready* systems on-premises must be retired, and assets moved to cloud solutions.
- Those systems not cloud-ready must go to the SDC.



1. Enterprise Cloud Computing (ECC) Program

- Cloud Services Brokerage Team
- Strategic Cloud Adoption Team (a.k.a. CCoE)
- Cloud management tools
- Cloud-ready operations

2. Cybersecurity

3. Network assessment

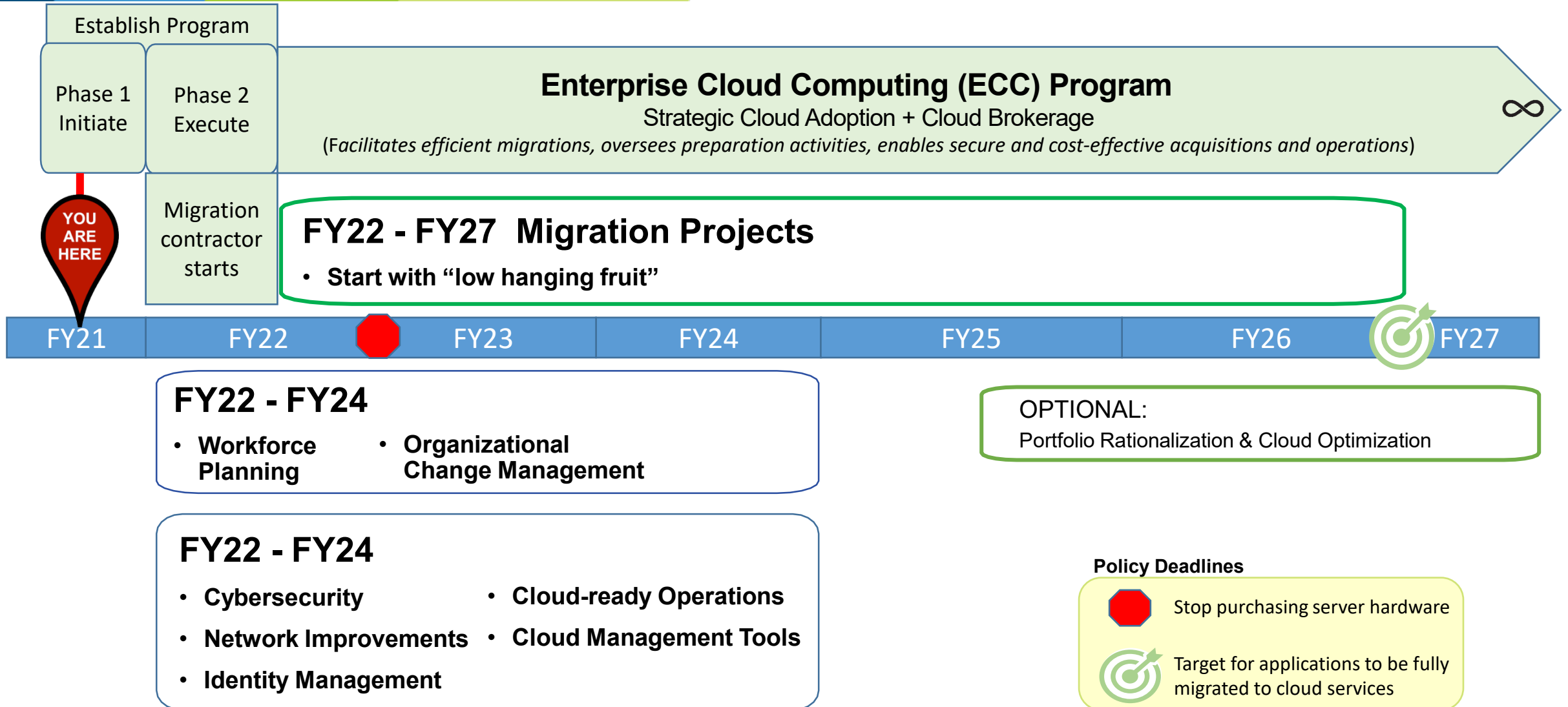
4. Identity management

5. Organizational change management

6. State IT workforce development



Migrate the Enterprise

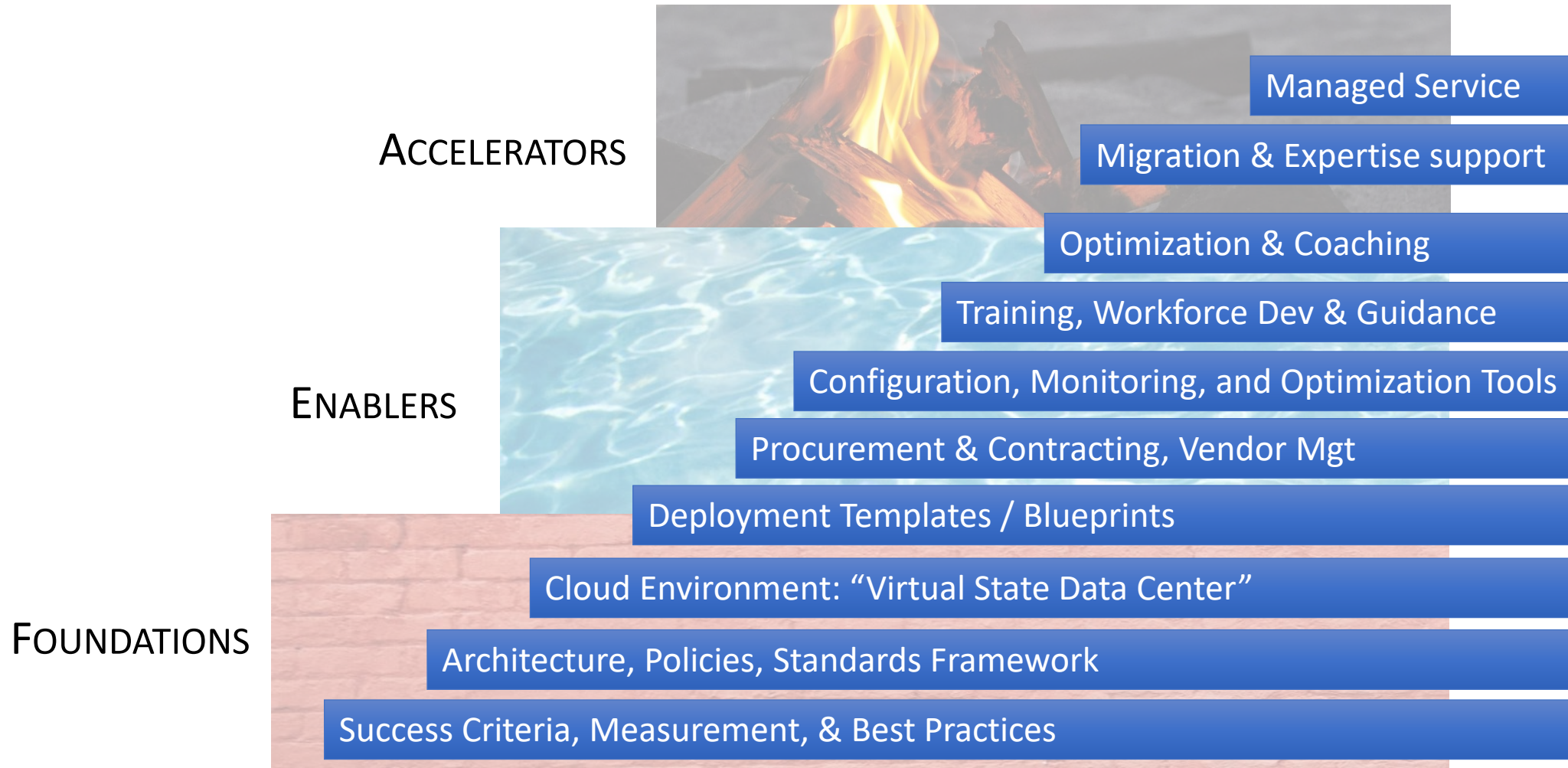


ECC Program – Enterprise Benefits

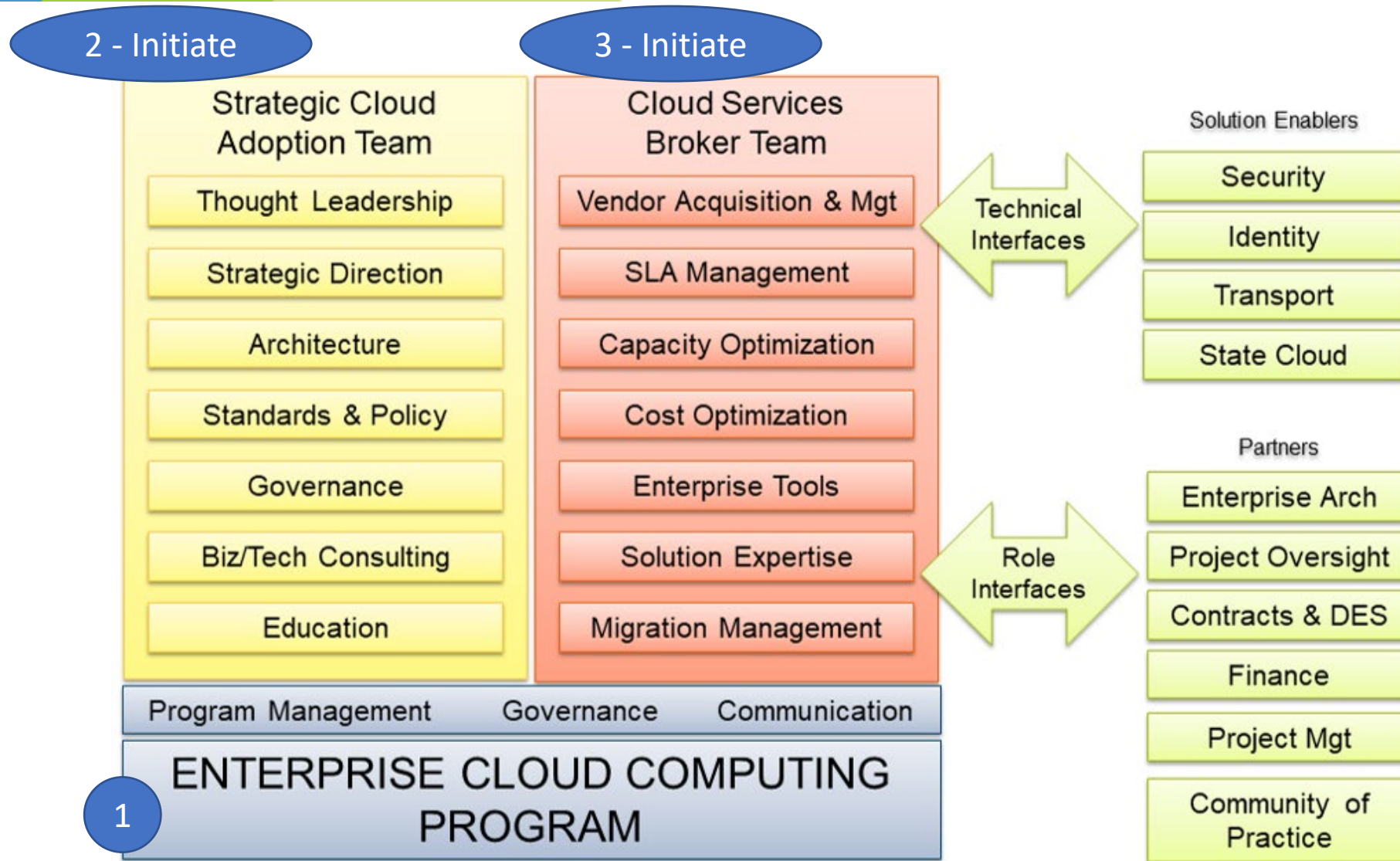
- Accelerated statewide cloud adoption and migration to seize opportunities for modernization and efficiency;
- Enhanced security and overall resilience through universal application of fundamental cloud architecture standards, i.e., “virtual state data center”;
- Consistent best pricing and service levels for all agencies;
- Comprehensive accounting of state IT configurations;
- Transparent measures of cloud usage and costs; and
- Agencies, workforce, and infrastructure effectually prepared and equipped to leverage cloud innovations rather than relying on outdated patterns and skills that escalate cloud costs and risks.



ECC Conceptual Model (draft)



ECC Phase 1 Work Streams



ECC Phase 1 Milestones / Key Deliverables

Milestone/Deliverable Description	Milestone/Deliverable	Planned Completion
ECC – Phase 1 Project Charter	Deliverable	3/12/2021
Project Management Plan	Deliverable	3/19/2021
Discovery Insights (working draft) from States, Vendors, and Agencies	Deliverable	4/5/2021
Enterprise Cloud Computing Program strategy, vision, objectives, and mission Value Prop (working draft)	Deliverable	4/16/2021
Program Staffing Plan (working draft)	Deliverable	4/16/2021
RFP for Implementation Support Services (working draft)	Deliverable	4/30/2021
RFP for Implementation Support Services (posted)	Milestone	5/15/2021
RFP ASVs Announced	Milestone	7/15/2021
Final SVMO and roadmap for program and future workstreams	Deliverable	6/30/2021
Enterprise Cloud Computing Program Governance Model	Deliverable	6/30/2021
ECC Success Criteria (working draft)	Deliverable	6/30/2021
ECC Manager hired	Milestone	7/1/2021
WF-10 prep: Cloud Ready Operations architecture (working draft)	Deliverable	7/31/2021
EA-1 prep: Tool requirements (working draft)	Deliverable	7/31/2021
ECC – Phase 1 Completed	Milestone	7/31/2021

ECC Project Objectives and Next Steps



Phase 1 – Initiate (In Progress)

- Project governance – establish steering committee
- Discovery – gather input from states, vendors, agencies
- Program Development – mission, functions, processes
- Staffing – hire ECC manager, establish new staff positions
- Contractor(s) - RFP for expert cloud migration vendor

Phase 2 – Execute (August 2021)

- Award contract, hire staff FTEs, and execute program plan
- Setup enterprise migration governance, begin planning with agencies and identify “low hanging fruit” to migrate first
- Initiate other preparatory projects, e.g., Identity Management
- Support workforce development and OCM

Conclusion

Moving to the cloud is clearly in the state's best interest.

A smart, strategic, *enterprise approach*

- Formalize statewide cloud strategy and policies.
- Prepare agencies, the workforce, applications, security, and network infrastructure.
- Start with a central Enterprise Cloud Computing program to enable preparation, accelerate migrations, and provide foundation to support ongoing cloud adoption and business innovation.

Enable – Accelerate - Support





Thank You

For more information contact:

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Public Comment