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TechAmerica | INPUT
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IT Enterprise Challenges

- Operating expenditures of over \$3 Billion
- 10,000 authorized IT positions
- 100 large IT Projects exceeding \$7 Billion
- Over 500 small to medium size projects underway
- Over 400,000 sq ft of data center floor space in 405 locations
- Over 10,000 servers
- 4 Petabytes (4 million gigabytes) of storage
- More than 170,000 PCs in the Executive Branch
- 100 email systems and 180,000 active email boxes
- 95% of email received daily is spam
- 50% of the state's IT workforce will be eligible to retire in the next 5 years

Program Management Office

- **Manages IT project portfolio and conducts oversight of major systems implementation projects;**
- **Reviews and provides approval of IT project proposals;**
- **Actively engages agencies in the IT project governance process; and**
- **Works with DOF, DGS, OTech, LAO to ensure that the projects and initiatives recommended by the OCIO are aligned with state policy.**

CALIFORNIA'S EXISTING IT ENVIRONMENT



Floor Space
409,000 sq. ft.
in 405 Locations



10,000 IT
Employees
130 Individuals
Serving as CIOs



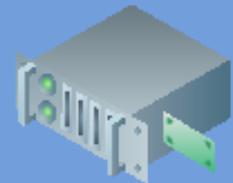
Approximately
170,000 PCs



70+ Wide Area Networks
7,000 Circuits



180,000 E-Mail Users



10,000 Servers
1,500 Web Servers

System Procurements In-flight



Enterprise Wide Veterans Home Information System (EW-VHIS)	Award
Financial Information System for California (FI\$Cal)	Award
LEADER Replacement	Award
Quality Network Project (DOCQNET)	Award
Teacher Data System (TDS)	Award
BreEZe	Bid
Construction Management System	Bid
CWS/Web	Bid
Enterprise Data to Revenue (EDR) Project	Bid
Enterprise Online Licensing System (EOL)	Bid
Provider Accounting & Reporting Information System (PARI\$)	Bid
Roadway Design Software	Bid
Statewide Automated Citation System Project	Bid
BAR 2012 Emissions Inspection System	New RFP
Healthcare Workforce Clearinghouse	New RFP
Pavement Management System	New RFP
Rail Safety and Security Information Management System	New RFP
Response Information Management System (RIMS) Replacement	New RFP
VoteCal Statewide Voter Registration System	New RFP



Summary of IT Cost Categories

■ Mainframe and Servers	\$228
■ Storage	\$ 43
■ Client & Peripheral	\$170
■ Data Center	\$286
■ Network	\$321
■ Consultants (Other)	\$392

Includes:

Hardware	\$284
Software	\$210

Excludes:

Personnel costs and IAAs

Future Opportunities

Content Management

Case Management

HIE/HIT

GIS

Backup/Recovery

Grants Management

e-Payments

EXECUTIVE ORDER S-03-10 establishes the following goals

Efficiency

Cost Savings

Environmental Sustainability

Information Security

“Since the beginning of my Administration, I have been a strong advocate for rebuilding the state's technology systems to make them work better and more efficiently for the people of California,” said Governor Schwarzenegger. “With today’s action we are acknowledging the progress that has been made, while laying the framework to make further improvements in the state’s IT operations. This action will increase transparency in spending, promote greater cost savings and define specific targets to reduce energy usage in our IT systems and further consolidate services.”

EXECUTIVE ORDER S-03-10 mandates the following:

The CIOs of all agencies under my direct executive authority shall transition to the state's **shared e-mail security and encryption solution** by no later June 2010, and shall work with the OCIO to migrate to the **state's shared e-mail solution** by no later than June 2011.

The CIOs of all agencies under my direct executive authority shall work with the OCIO to reduce the total amount of **data center square footage** currently utilized by state agencies by 25 percent by July 2010, and by 50 percent by July 2011.

In addition, CIOs shall begin to transition the hosting of all mission critical and public-facing applications to a **Tier III data center** designated by the OCIO by no later than September 2010, and shall commence closing all existing server rooms that house non-network equipment by June 2013. Transition plans shall be in accordance with guidance provided by the OCIO. Effective immediately, all new mission critical and public-facing applications and major server refreshes shall be hosted in a Tier III data center as designated by the OCIO.

The CIOs of all agencies under my direct executive authority shall begin migration from their existing network services to the **California Government Network (CGN)** by no later than July 2010.

Consistent with Executive Order S-20-04, which established the Green Building Initiative, the CIOs of all agencies under my direct executive authority shall develop plans to leverage cost-effective strategies to reduce the total amount of **energy** utilized by information technology and telecommunications equipment by 10 percent by July 1, 2010, by 20 percent by July 1, 2011, and by 30 percent by July 1, 2012.

and **participate in activities coordinated by the OIS** in order to better understand and address security incidents and critical cyber security threats to the state.

INFRASTRUCTURE CONSOLIDATION FRAMEWORK

EXECUTIVE ORDER S-03-10:

Workgroup Area Formed:

E-mail Security and Encryption

Shared E-mail

Tier III Data Centers

Reduce Data Center Square Footage

California Government Network (CGN)

Reduce Energy

Security Activities



E-mail, Directory and Collaboration

IT Facilities

Server, Virtualization Storage and Backup

Network

Desktop Standardization and Green IT

Security

Current State

IT Facilities

Infrastructure includes
409,000 sq. ft. of floor space
in 405 locations

Network

70+ Networks
7000+ WAN Circuits
227,000 Miles of cable

E-mail,
Directory,
and
Collaboration

180,000+ E-mail Users
100+ E-mail Systems
100+ Employee Directories

Server,
Virtualization,
Storage and
Backup

10,000 Servers
1,500 Web Servers
5 Petabytes of Storage
60% of departments have initiated
the use virtualization concepts



Target State

50% Reduction of Space by July 2011

OTech at Gold Camp (GC)
Federated Data Center at GC
OTech at Vacaville
Overflow

Begin One Network by July 2010

California Government Network

One Shared E-mail and Directory Solution

Shared E-mail Security and
Encryption Solution (June 2010)
Hosted E-mail Solution (June 2011)
Single Federated Directory (2011)

Virtualization and Shared Storage First

Virtualized Servers
Shared Storage
Virtual Tape Libraries with
Remote Replication

Opportunity Areas: Key Initiatives



■ Server Bid

- RFP Release Fall 2010

■ Storage Bid

- RFP Release Fall 2010

■ Server Virtualization

- Survey with 31 Departments responding
- 6% of departments have completed 100% of their server virtualization initiative;
- 8% of departments have completed 75%;
- 25% have completed 50%;
- 33% of departments have completed 25%;
- 6% of departments have completed formal plans;
- 11% have a pilot in place;
- 11% have not started

■ Federated Data Center

- October 18, 2010 Ribbon Cutting



Thank You

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