

Federal Information Technology Modernization

April 06, 2010

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History & Evolution of Federal IT

❑ Key Legislation

- ❑ Federal Depository Library Program Laws (44 U.S.C. Ch. 19)
 - ❑ GPO Electronic Information Access Enhancement Act of 1993

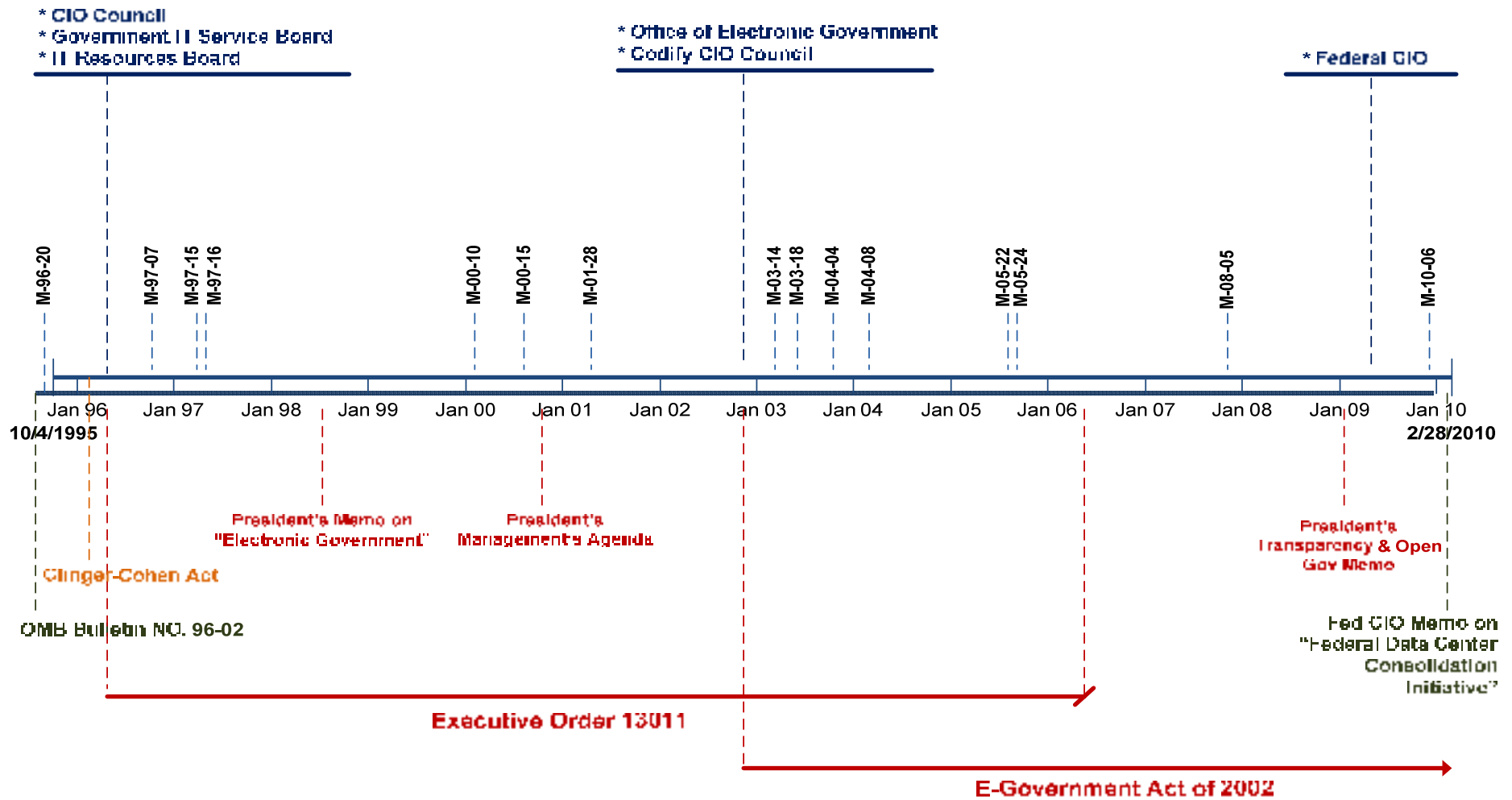
- ❑ Records Management by Federal Agencies (44 U.S.C. Ch. 31)
- ❑ The Privacy Act of 1974
- ❑ Government Performance Results Act of 1993 (GPRA)
- ❑ Federal Acquisition Streamlining Act of 1994, Title V (FASA V)
 - ✓ (Commercial Off-the Shelf)

- ❑ Paperwork Reduction Act of 1995 (PRA)
- ❑ Freedom of Information Act of 1996 (FOIA)
- ❑ Clinger Cohen Act of 1996 (previously ITMRA of 1996)
- ❑ Government Paperwork Elimination Act of 1998 (GPEA)
- ❑ Confidential Information Protection and Statistical Efficiency Act of 2002 (CIPSEA)
- ❑ Federal Information Security Management Act of 2002 (FISMA)
 - ❑ New Reporting Requirements in FY2010 (CyberScope)

- ❑ E-Gov Act of 2002

History & Evolution of Federal IT

OMB GUIDANCE: SUMMARY VIEW



History & Evolution of Federal IT

SALIENT OMB GUIDANCE

Governance	Management/Acquisition	Technology
M-96-20: Designation of a CIO	M-97-15: Local Telecom Services Policy	Bulletin 96-02: Consolidation of Agency Data Centers
M-97-16: Information Technology Architecture (EA)	M-01-28: Citizen-Centered E-Gov Action Plan	M-05-22: IPv6
	M-03-14: SmartBUY	M-05-24: HSPD-12
	M-03-18: E-Gov Act Implementation	M-08-05: TIC
	M-04-08: Maximize Use of SmartBUY & Avoiding Duplication of Agency Activities w/ e-Gov Initiatives	Fed CIO Memo: Data Center Consolidation
	M-08-26: Transition from FTS 2001 to Networx	

History & Evolution of Federal IT

□ E-Gov Initiatives

□ 24 e-Gov Initiatives

- ✓ GovBenefits (DOL)
- ✓ Recreation One-Stop
- ✓ IRS Free File
- ✓ USA Services (GSA)
- ✓ [...]

□ Lines of Business

- ✓ Case Management (DOJ)
- ✓ Financial Management (GSA)
- ✓ Grants Management (NSF & DHHS)
- ✓ Human Resource Management (OPM)
- ✓ Federal Health Architecture (DHHS)
- ✓ Information Systems Management (DHS)
- ✓ Budget Formulation & Execution (ED)
- ✓ Geospatial (DOI)
- ✓ IT Infrastructure (OMB)

□ Lessons Learned:

“These efforts will require federal organizations to continue to work together in adopting common enterprise-wide solutions. Continued success will depend on strong leadership and establishing a climate of trust that will enable organizations to relinquish personal control and ownership of individual solutions.”

CIO Council, January 2009

“Through 2010, fewer than 20% of governments pursuing major consolidation or shared-service initiatives will achieve their intended benefits.

[...]

As indicated in previous research (see "Government Consolidation and Shared-Service Efforts Will Continue to Struggle"), there are many reasons why shared-service initiatives are facing difficulties. Most relate to an inherent ambiguity in the term "shared," which tends to be interpreted in different ways depending on the viewpoint (provider versus user) and the level of commitment and leadership buy-in.”

Gartner, June 2008

Federal IT & Current Administration

- ❑ **Open Government**

- ❑ **White House Forum on Modernizing Government**

“We’ve got to get the best bang for every single dollar that the government has in its possession. And when Washington lags a generation behind a generation behind in how we do business that has real and serious impact on people’s lives. When we waste billions of dollars, in part because our technology is out of date, that’s billions of dollars we’re not investing in better schools for our children, in tax relief for our small businesses, in creating jobs and funding research to spur the scientific breakthroughs and economic growth of this new century.

And we know the tools, the technology, the solutions are out there. You know because you put them in place every day”

President Barack Obama, January 14, 2010

Focus Areas:

Leveraging Technology to Streamline Operations

Leveraging Technology to Transform Customer Service

Maximizing Technology ROI

- ❑ **Executive Order 13514**

Federal IT & Current Administration

□ Governance

- OMB Director: Peter Orzag
- Federal CPO: Jeffrey Zients
- Federal CIO: Vivek Kundra
 - Federal CIO Council
 - Committees
 - Subcommittees
- Federal CTO: Aneesh Chopra
- Cybersecurity Coordinator: Howard A. Schmidt

Federal IT: Agency Perspective

OMB Mandates but at the Agency level, various filters:

- **Agency genesis**
- **Agency leadership**
- **Agency politics & internal bureaucracy**

Determine the Interpretation and Execution.

Federal IT: Modernization & The Cloud

- ❑ Reduce Operational Costs
- ❑ Rapid Service Provisioning

But More importantly, as the cloud(s) mature(s), it is:

- Service Ubiquity (access from anywhere)
- Self-Service (à la Apps.gov)

That will achieve the promise of the cloud, its disruptive potential: situated software (solutions) to solve business problems in the hands of the business workers to meet customer service needs

What's Next?

Request from GAP/Hamid Ouyachi to N&T SIG:

❑ Background:

Based on the historical view of the evolution of Federal IT, what's old is new, we are incrementally moving forward, repeating some of the same initiatives that were mandated 15 years ago. Government is looking at the governance, mandates, shared services,... to learn what works and what doesn't.

❑ Assignment:

Request that the N&T SIG develop a lessons learned document based on an analysis of the evolution of Network and Telecom services delivery models, with a view toward current Federal Goals, Objectives and delivery models for IT, as in:

Managed Services
Cloud Computing
Data Center Consolidation

Thank you!

