

21st Century Government: e-Government in Practice

A Strategist's Perspective

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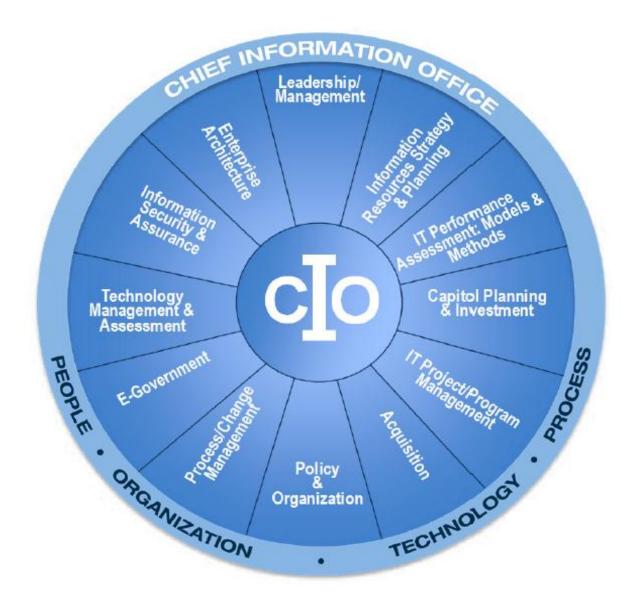
HICSS-45 E-Government Symposium January 4, 2012

<u>Dilbert</u>



Source: Scott Adams





Source: <u>http://www.ndu.edu</u> Source: <u>http://www.cio.gov</u>



The Open Government Initiative



Transparency

promotes accountability

Participation allows people to contribute ideas/expertise; government benefits from broad knowledge sharing

Collaboration

encourages cooperation within government and with industry

An <u>Innovation</u> Agenda* defines the building blocks of innovation



Open Government

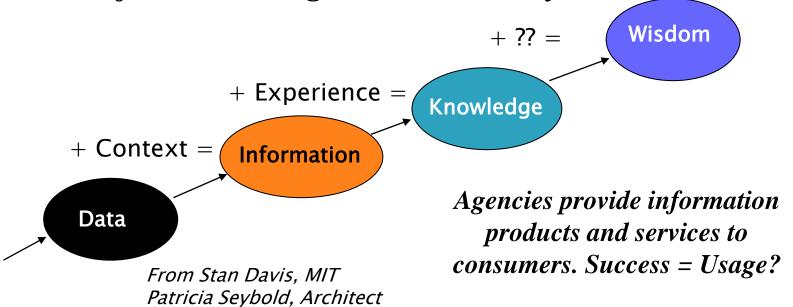
Partnerships

- Entrepreneurship
- Prizes, Challenges, and Grants
- Idea Generation
- Innovative Science & Technology
- Creative Funding Strategies
- Promoting Competitive Markets

* "A Strategy for American Innovation", published Sept 2009

Context: The Pursuit of Knowledge and Wisdom...is a Continuum

How are government agencies impacted by the Information Age and Economy?



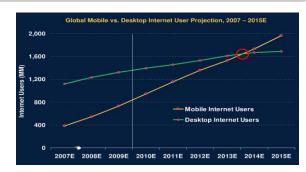
<u>Challenge</u>: How do we institutionalize best practices where information and knowledge is integrated into Systems/Apps, widely shared and is available in a Timely, Secure and Reliable Manner? Reward Structure? Strategy and business management for government leaders

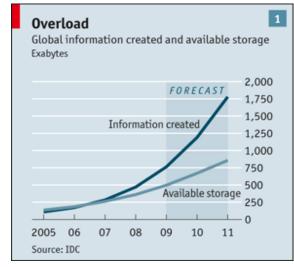
Federal Computer

6 bold tech predictions: Fact or fantasy? FCW (December 8, 2010)

- 1. 20% of businesses will own no IT assets by 2012 (Gartner)
- 2. 75% of Stand-Alone IT Departments will disappear by 2015 (Corporate Executive Board)
- 3. One trillion devices will be connected to the Internet by 2013 (Cisco) Current = 35B
- 4. The government can save \$1 trillion in 10 years by harnessing certain proven technologies (Technology CEO Council)
- 5. 25% of personal computing devices sold will be tablets by 2015 (Forrester Research)
- 6. Data will grow by 800% in the next five years with 80% Unstructured Text/Media (Gartner)

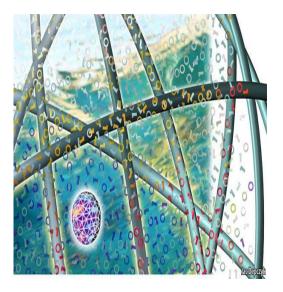
Mobile will be bigger than desktop internet in 5 years -- Mary Meeker, Morgan Stanley, April 2010





Volume of digital information increases tenfold every five years & the data is replicated many times over!

Context: Maximum sharing and flow of information and knowledge



- YouTube is now second largest search engine in the world
- 1.5 million pieces of content shared daily on Facebook
 - On-line newspaper readers are **up 30%**
- 250 million visitors **each month** to Myspace, YouTube, and Facebook (*none were around 6 years ago*)
- **Mobile devices** will be world's primary connection tool to the Internet in **2020**

As big an issue outside your organization as within it

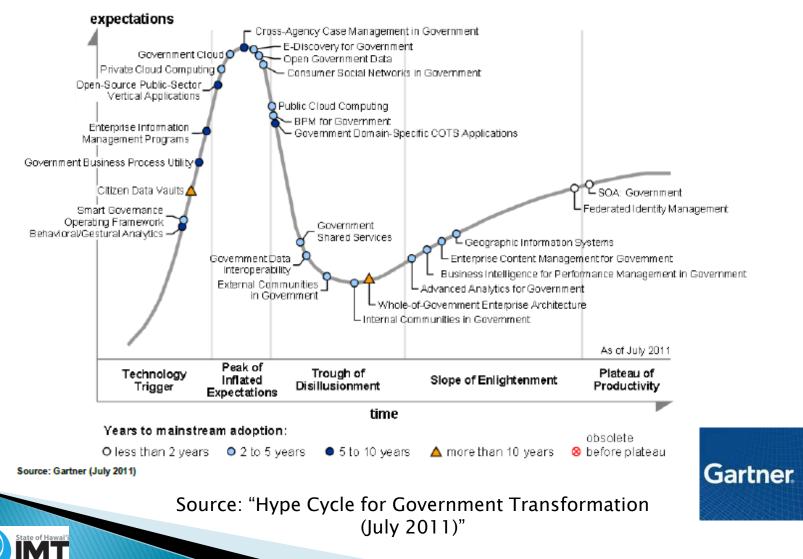
So, What Problem Are We Trying to Solve with e-Gov?

- The Government does not have the monopoly on the best ideas engage citizens to participate, collaborate and solve problems in their daily lives (on-line versus in-line)
- "Share everything protect what you must "versus "protect everything share what you must" Attorney Generals, US Department of Justice
- "Sunlight is the best disinfectant" Justice Brandeis
- Almost 75% of Citizens prefer to deal with the Government on-line (versus in-line) and 75% are happy with e-Gov services provided by Federal Government (Source: TBD)
- New Gov 2.0 and Web 3.0 technology is here for Citizen Services
- A Vast, Growing Ocean of Government Data, Information, & Knowledge Assets Exists but what is Useful, Reliable and Authoritative?
- Easy-to-Use and Powerful Business Intelligence and Applied Analytics Information Accessible Anywhere, Anytime, Any Device. Ensure Quality, Privacy, Security, e-Records, Organization, and Managed Growth for Reliable Enterprise Decision-Making
- What is/are the Measure(s) of Success? "Culture Eats Strategy for Lunch" Martha Johnson, GSA Administrator

Organizational Mission Effectiveness and Efficiency

Gartner Conference Highlights (2011)

Figure 1. Hype Cycle for Government Transformation, 2011



Gartner Conference Highlights (2011)

Figure 2. Priority Matrix for Government Transformation, 2011

benefit years to mainstructure

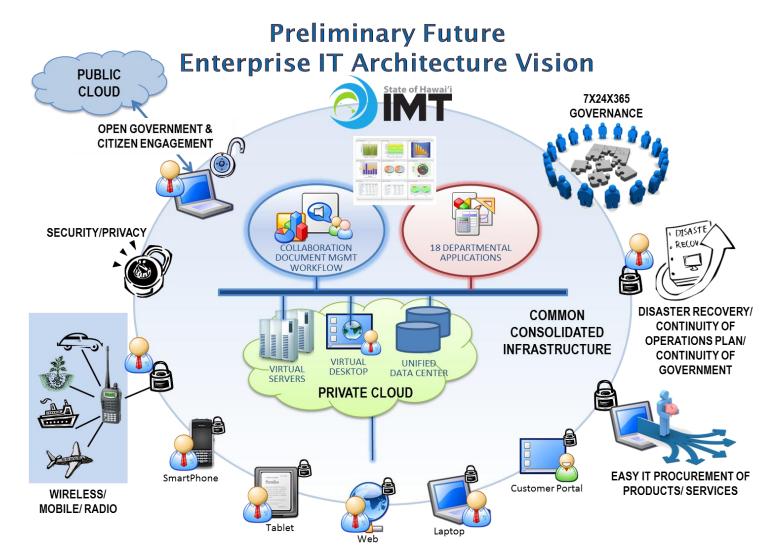
years to mainstream adoption

	less than 2 years	2 to 5 years	5 to 10 years	more than 10 years
transformational	SCA: Government	Consumer Social Networks in Covernment Public Cloud Computing Smart Covernance Operating Pranework	Enterprise Information Management Programs	Citteen Data Vaults
high		Advanced Analytics for Sovernment BPM for Government Explores Intelligence for Performance Management in Government Government Geographic Information Systems Government Claud Government Claud Government Shared Services Interoperability Government Shared Services Internal Communities in Government Dian Government Data Private Cloud Computing	Crost-Agency Case Management in Government Domsen- Brecific COTS Applications	Whole-of-Government Endeprise Architecture
moderate	Federated Identity Management	Enterprise Content Management for Government External Controlucities in Government	Bishavioral/Gestural Analytics Government Business Process Utility Open-Source Public- Sector Vetical Applications	
low				

As of July 2011

Source: Gartner (July 2011)

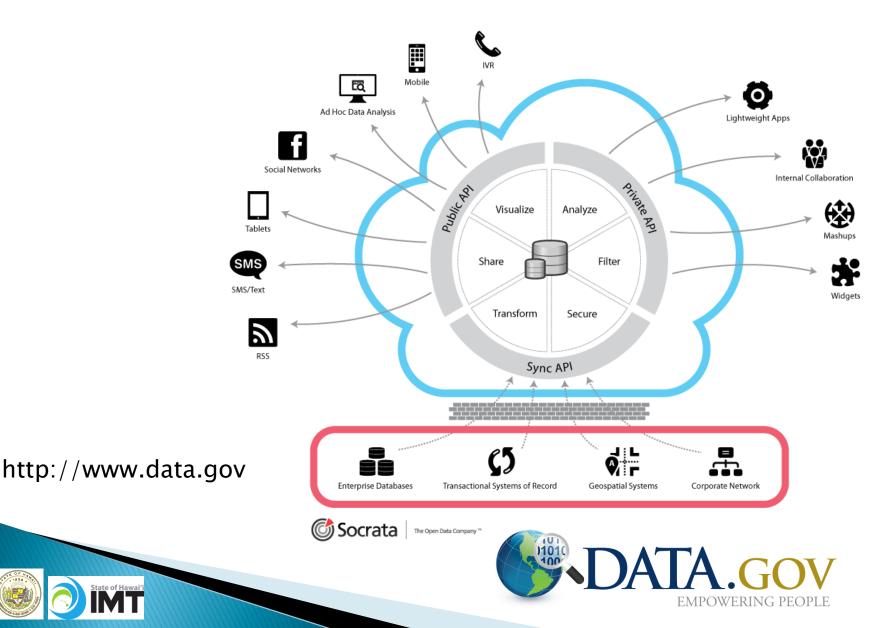
Source: "Hype Cycle for Government Transformation" (July 2011)



Access to the right information – anywhere, any time, any mission, securely and reliably

http://www.hawaii.gov/oimt

Next Generation Data.gov: A Platform Designed for Data Access & Consumption



Next Generation Data.gov: Contrasting Legacy Data vs. Open Data

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Attribute/Characteristic	Legacy Data	Open Data
Core Use Cases	Data Collection, Process Automation, Enterprise Apps	Data Use and Reuse, Data Sharing and Collaboration, Ad Hoc Apps
Key Influences	Corporate Network Computing	Internet, Web 2.0 and the Social Web
Who Benefits?	Data Practitioners	The Rest of Us
Where's the Data?	On Premise	In the Cloud
Organizational Model	Business Process Optimized	Consumption Optimized
Designed for	The PC	The Web
Security and Permissions	Secure	Secure
Accessibility	Very Restricted	Very Accessible
Scalability	Employee Use	Widespread Use
Finding the Data	By Table Name	Searchable Catalog
Data Exploration and Analysis	Add-on PC/Desktop Tools	Native in Platform; In Web Browser
Charts and Maps	Add-on PC/Desktop Tools	Native in Platform; In Web Browser
Ad Hoc Access	None to Limited, guarded by a gatekeeper	Open and unfettered but authenticated
Developer Access	None to limited, rigid access via closed protocols	Open, standards-based, modern (RESTful) APIs
Reporting	Static	Dynamic
Data Usage Metrics	Ask the Gatekeeper	Open



te of Hawa

http://www.data.gov





EAMWORK

INNOVATION SUCCESS EVALUATION DEVELOPMENT GROWTH SOLUTION PROGRESS MARKETING

Mahalo!

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