



# FY 2012 Information Technology Budget

*Cutting What We Cannot Afford & Deploying  
Game-Changing Technologies*

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# The Technology Agenda

## *Cutting What We Cannot Afford & Deploying Game-Changing Technologies*

### **FIXING LARGE-SCALE IT MANAGEMENT**

- Turn around or terminate 1/3 of underperforming IT investments
- Execute 25-Point IT Reform Plan

### **ADOPTING MORE EFFICIENT TECHNOLOGIES**

- Eliminate at least 800 data centers by 2015
- Shift up to \$20 billion in spending to the cloud

### **ENHANCING FEDERAL INFORMATION SECURITY**

- Shift to continuous monitoring and remediation
- Deploy Red teams, Blue teams across the Government

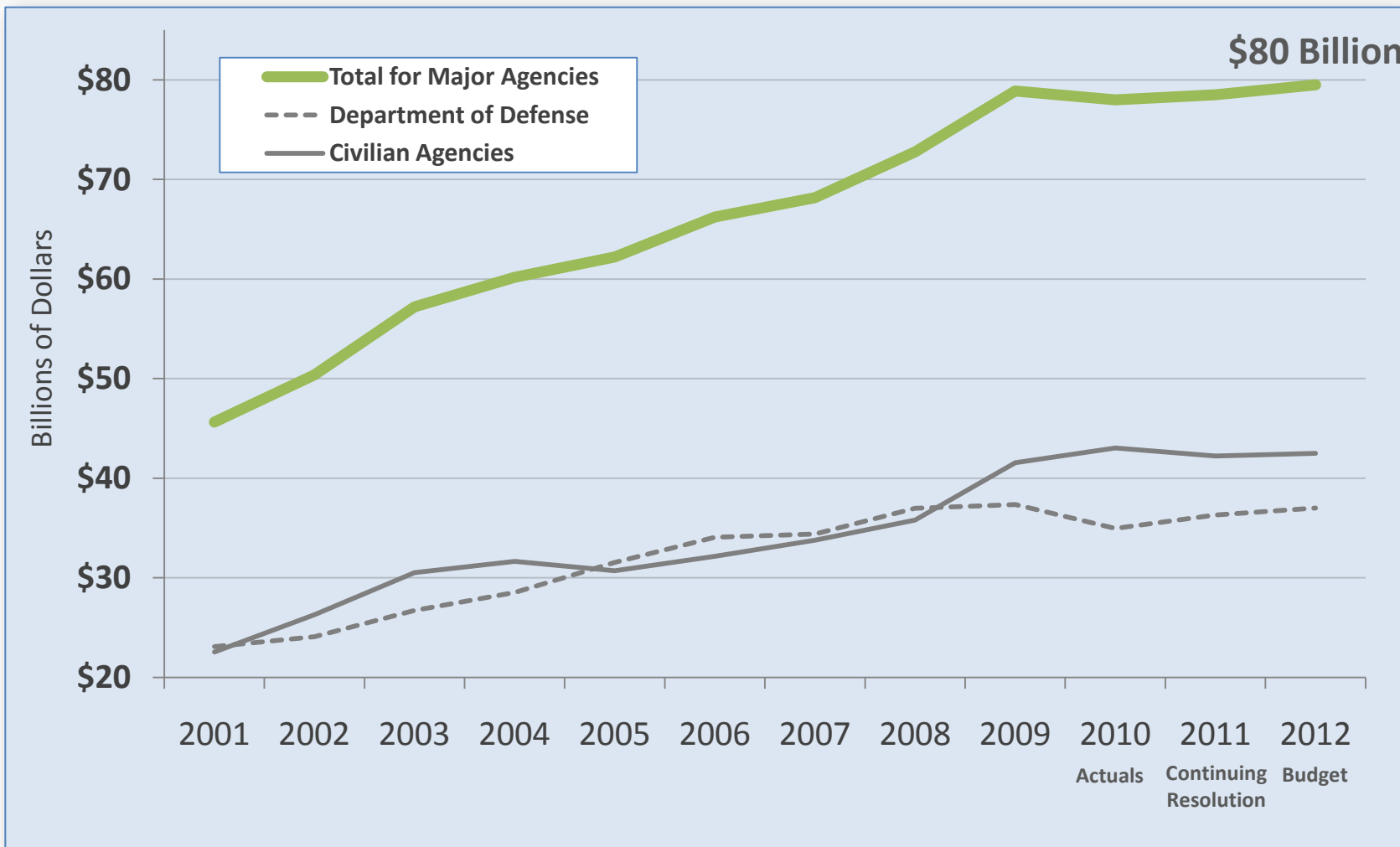
### **PROMOTING ACCOUNTABILITY AND INNOVATION THROUGH OPEN GOVERNMENT**

- Enable an “app economy” through Data.gov
- Leverage challenges and prizes to deliver innovative IT solutions





# IT Spending for the Federal Government





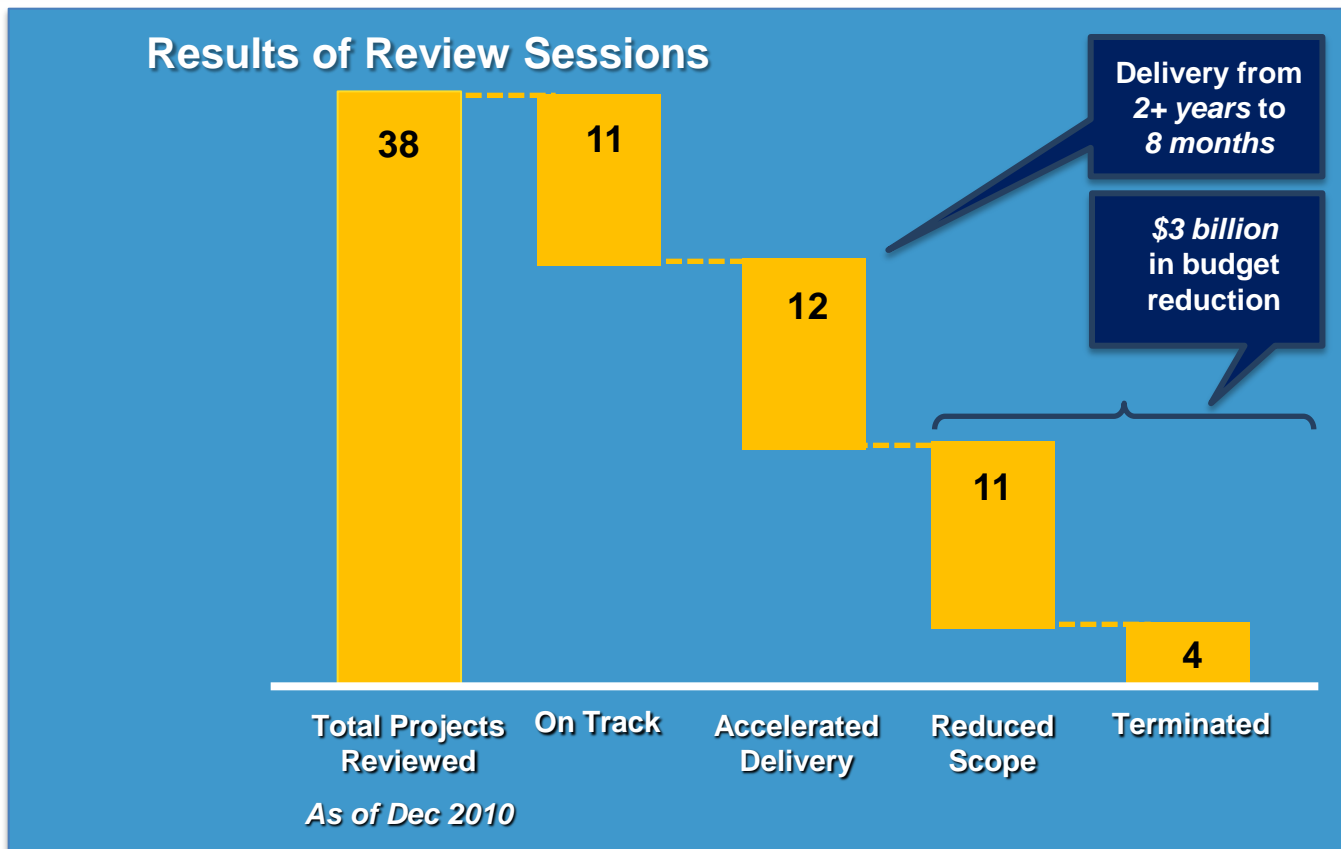
# The President's Budget FY 2012 for IT

Agency	(\$millions)		Change FY10 to FY12 by:		
	FY2010 Actuals	CR	FY2012 Budget	\$ Millions	Percentage
Department of Transportation	\$3,064	\$3,118	\$3,722	\$658	21%
Department of Agriculture	\$2,592	\$2,580	\$2,913	\$320	12%
National Science Foundation	\$95	\$96	\$101	\$6	6%
Department of Defense	\$34,966	\$36,292	\$37,016	\$2,051	6%
Smithsonian Institution	\$65	\$69	\$69	\$4	6%
Department of Energy	\$1,976	\$2,002	\$2,086	\$110	6%
Department of Health and Human Services	\$6,235	\$6,507	\$6,581	\$345	6%
Department of Labor	\$581	\$588	\$600	\$19	3%
U.S. Army Corps of Engineers	\$500	\$509	\$514	\$14	3%
Department of the Treasury	\$3,273	\$3,184	\$3,326	\$53	2%
Nuclear Regulatory Commission	\$158	\$153	\$157	(\$1)	-1%
Department of Veterans Affairs	\$3,244	\$3,229	\$3,211	(\$33)	-1%
Department of State	\$1,438	\$1,432	\$1,419	(\$19)	-1%
Environmental Protection Agency	\$462	\$465	\$454	(\$8)	-2%
Department of the Interior	\$969	\$961	\$924	(\$45)	-5%
Department of Homeland Security	\$6,486	\$6,270	\$6,159	(\$327)	-5%
Department of Justice	\$2,829	\$3,110	\$2,672	(\$157)	-6%
General Services Administration	\$633	\$620	\$598	(\$35)	-6%
Social Security Administration	\$1,626	\$1,453	\$1,472	(\$154)	-9%
Department of Housing and Urban Development	\$360	\$462	\$322	(\$38)	-11%
Small Business Administration	\$124	\$124	\$106	(\$18)	-15%
Department of Commerce	\$2,926	\$2,514	\$2,459	(\$466)	-16%
National Archives and Records Administration	\$141	\$154	\$117	(\$23)	-17%
U.S. Agency for International Development	\$189	\$187	\$155	(\$34)	-18%
Department of Education	\$829	\$547	\$655	(\$174)	-21%
National Aeronautics and Space Administration	\$2,138	\$1,811	\$1,626	(\$512)	-24%
Office of Personnel Management	\$98	\$74	\$66	(\$32)	-33%
<b>Total IT Investments for Federal Government</b>	<b>\$77,999</b>	<b>\$78,513</b>	<b>\$79,501</b>	<b>\$1,503</b>	<b>1.9%</b>





# Progress to Date: Cracking Down on Wasteful Spending





# Executing 25-Point Plan to Reform Federal IT Management

	Action Item	Owner(s)	Within 6 mos	6-12 mos	12+ mos
1	Complete detailed implementation plans to consolidate 800 data centers by 2015	OMB, Agencies		▪	
3	Shift to a "Cloud First" policy	OMB, Agencies		▪	
4	Stand-up contract vehicles for secure IaaS solutions	GSA		▪	
7	Design a formal IT program management career path	OPM, OMB		▪	
9	Require Integrated Program Teams	OMB		▪	
10	Launch a best practices collaboration platform	Federal CIO Council		▪	
13	Design and develop cadre of specialized IT acquisition professionals	OMB, Agencies		▪	
14	Identify IT acquisition best practices and adopt government-wide	OFPP		▪	
17	Work with Congress to create IT budget models that align with modular development	OMB, Agencies		▪	
20	Work with Congress to consolidate Commodity IT spending under Agency CIO	OMB, Agencies		▪	
21	Reform and strengthen Investment Review Boards	OMB, Agencies		▪	
22	Redefine role of Agency CIOs and Federal CIO Council	Federal CIO, Agency CIOs		▪	
24	Launch "myth-busters" education campaign	OFPP		▪	
25	Launch an interactive platform for pre-RFP agency-industry collaboration	GSA		▪	
5	Stand-up contract vehicles for "commodity" services	GSA			▪
6	Develop a strategy for shared services	Federal CIO			▪
11	Launch technology fellows program	Federal CIO			▪
15	Issue contracting guidance and templates to support modular development	OFPP			▪
18	Develop supporting materials and guidance for flexible IT budget models	OMB, CFO Council, CIO Council			▪
2	Create a government-wide marketplace for data center availability	OMB, GSA			▪
8	Scale IT program management career path	OPM, Agencies			▪
12	Enable IT program manager mobility across government and industry	OMB, CIO Council, OPM			▪
16	Reduce barriers to entry for small innovative technology companies	SBA, GSA, OFPP			▪
19	Work with Congress to scale flexible IT budget models more broadly	OMB, Agencies			▪
23	Rollout "TechStat" model at bureau-level	Agency CIOs			▪

- Released Federal Cloud Computing Strategy & Moving 72 Services to the Cloud
- Conducted Department-level TechStats at DOD, VA, DHS, DOE, EPA, Interior, and Army Corps of Engineers
- Demystified Top Ten Myths of Federal IT Procurements
- Shutting Down Over 800 Data Centers

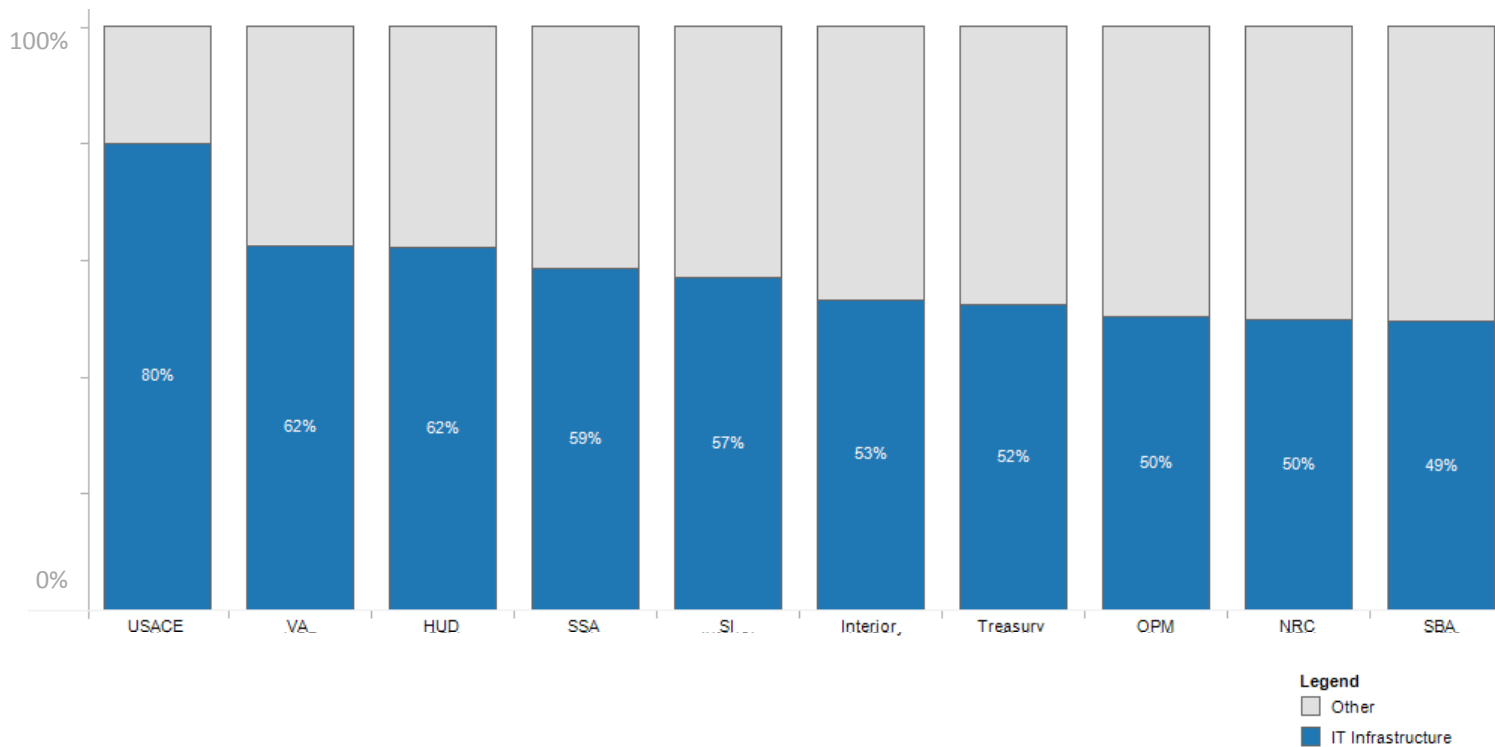




# Optimizing Infrastructure Spending

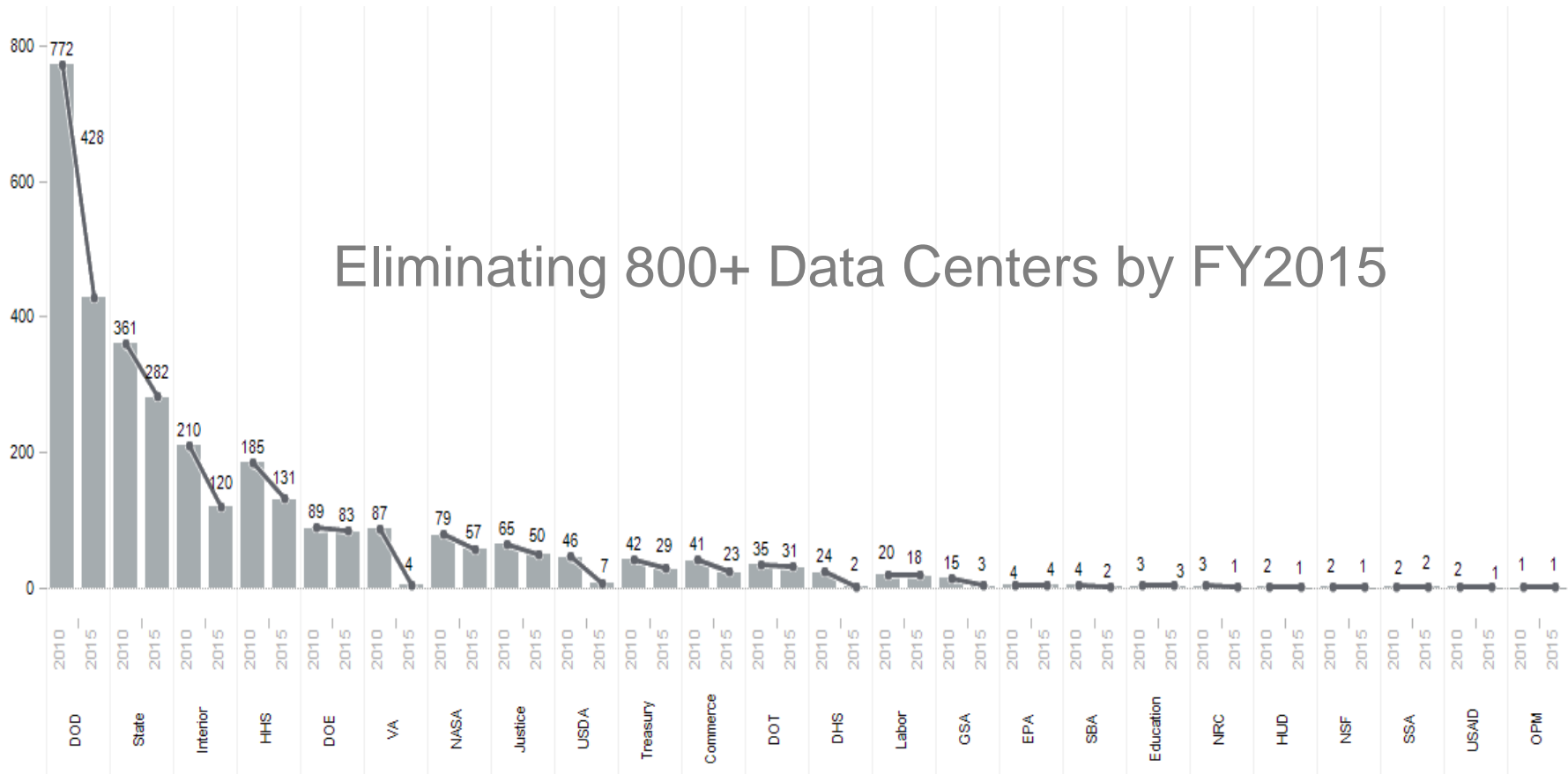
## Infrastructure as a Percentage of Total Spending

Top 10 Agencies





# Eliminating Redundant Investments





# Shifting up to \$20 Billion in Spending to the Cloud

## Shifting from asset ownership to service provisioning

\$80B in Annual Spending

Up to \$20B

CATEGORY	SERVICE EXAMPLES	AGENCY EXAMPLES
Collaboration	<ul style="list-style-type: none"> <li>Agency-wide email to the cloud</li> <li>Office productivity tools</li> </ul>	
Workflow	<ul style="list-style-type: none"> <li>Employment verification</li> <li>Grants management</li> <li>Claims processing</li> <li>Customer relationship management</li> </ul>	
Infrastructure	<ul style="list-style-type: none"> <li>Public-facing websites hosted in the cloud</li> <li>Application development/testing</li> <li>Content delivery</li> <li>Virtualized data centers</li> </ul>	
Business Intelligence	<ul style="list-style-type: none"> <li>Data analytics</li> <li>Performance management</li> </ul>	
Information Security	<ul style="list-style-type: none"> <li>Identity management</li> <li>Security management services</li> </ul>	





# Enhancing Federal Information Security

- Shifting investments to continuous monitoring tools
- CyberStat – DHS led face-to-face, evidence-based accountability sessions
- Investing \$459 million to support the operations of the National Cyber Security Division at DHS
- Government-wide Red and Blue teams for penetration testing





# Enabling the App Economy through Data.gov

Washington, DC: Ronald Reagan Washington National (DCA) to New York, NY: Kennedy International (JFK)



## APPS FOR HEALTHY KIDS

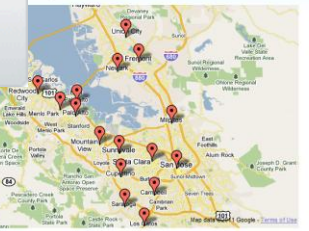
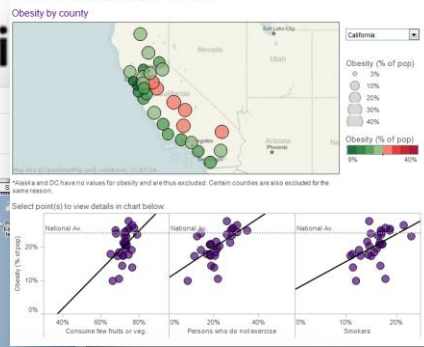


### Most On-Time Flights & Airlines

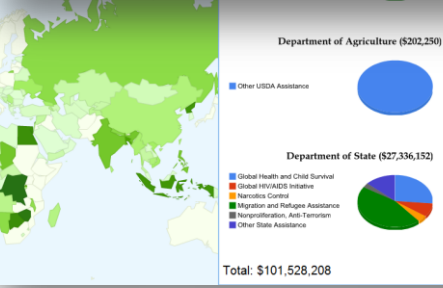
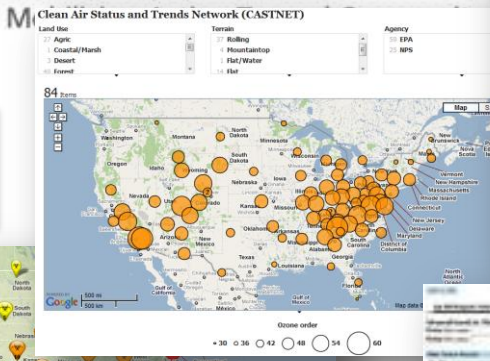
Flight	Average Arrival
Comair 5323 (31 flights)	9 min. early
Comair 6472 (31 flights)	8 min. early
American Eagle 4740 (336 flights)	8 min. early
American Eagle 4748 (336 flights)	7 min. early
Comair 5582 (31 flights)	6 min. early



### National obesity comparison tool



## County Health Ranki



## Medscape Mobile from WebMD





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