Cybersecurity:
Not Just a Sprint, a Marathon

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Office of the FCIO Priorities

Drive Value in Federal IT Investments

- Conduct PortfolioStat quarterly reviews and Cross-Management analytics
- Improve health of IT investments through IT Dashboard transparency
- Increase adoption of agile and modular development
- Continue the shift to cloud computing
- Drive data center optimization efforts through FDCCI

Deliver World Class Digital Services

- Transform the government's most important citizen/business-facing digital services to be simple, reliable, and delivered quickly for the appropriate price
- Develop institutional capacity so this can be a lasting change

Protect Federal IT Assets and Information

- E-Gov Cyber Unit formed to assess cyber mitigation plans and coordinate agency responses to cyber events
- Deployment of continuous diagnostics and monitoring (CDM) tools in FY 2016
- Partnership with NSC and DHS to drive Cyber CAP goal progress via CyberStat reviews

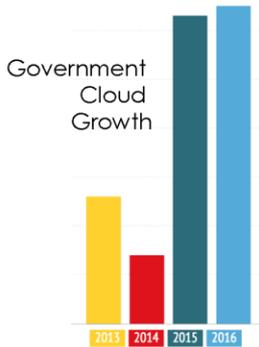## Develop the Next Generation IT Workforce

- Institute flexible hiring practices to quickly recruit the best IT talent for government
- Equip the Federal IT workforce with training and development opportunities
- Developing certified digital IT acquisitions specialists
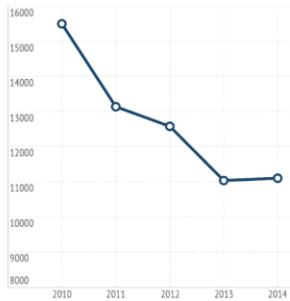- Strategic planning for key agency tech positions

FEDERAL IT TRENDS AT A GLANCE
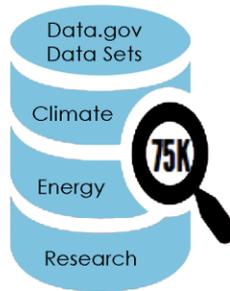
GAINING EFFICIENCIES

Government Cloud Growth

2013 2014 2015 2016

$3.4 Billion

Savings from PortfolioStat + Reform Efforts

380

OMB + Agency TechStats

Decrease in IT Hardware Spending
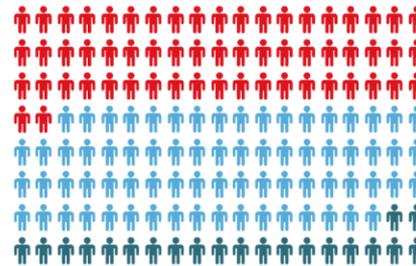
1,136 Data Centers Closed

Data.gov Data Sets

Climate

Energy

Research

75K

DIGITAL GOVERNMENT

GROWING DIGITAL TALENT

18F Schedule A PIFs US Digital Service

IT Projects Using

47% Agile/Interative

36% Mixed Life Cycle
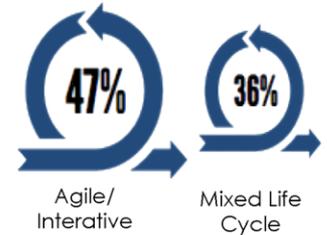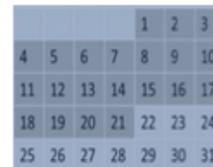
Are 40% more likely to deliver their planned capabilities on budget

IT PROJECT MANAGEMENT

Delivery of Mission Value from IT

		1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

21 Days Earlier!

47%
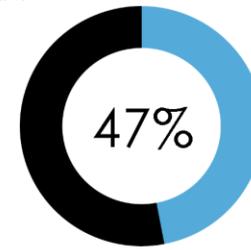
Agency Websites Now Using Analytics to Measure Customer Experience

IT Investment Health

74% 2015

69% 2012
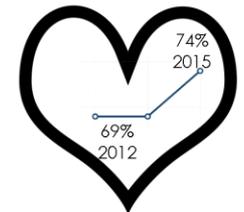
Rated Green By CIOs

Protect Federal Assets & Information:
A Team Effort

Protecting Federal IT Assets and Information is a team effort.
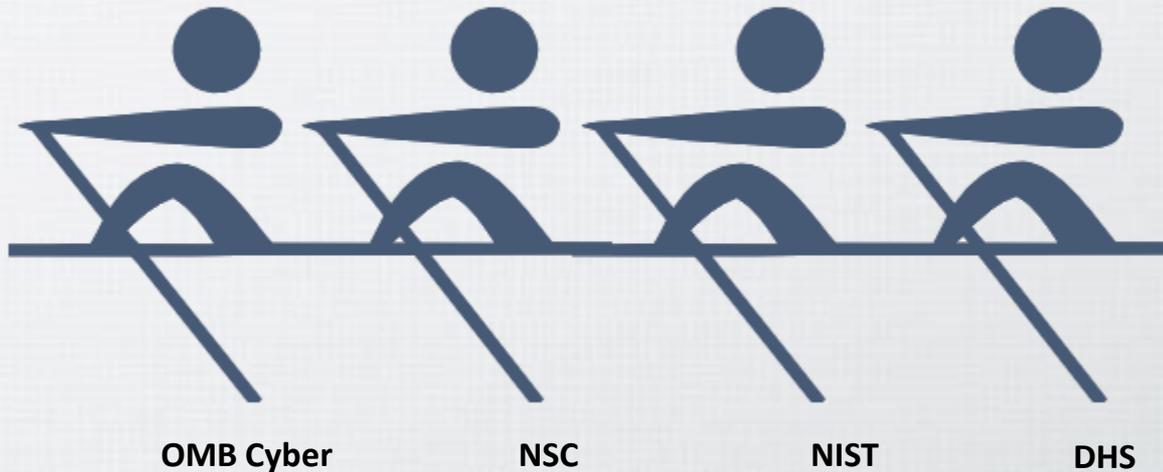The OMB Cyber Unit works with NSC, NIST, & DHS on this priority.

OMB Cyber   **NSC**   **NIST**   **DHS**

🛡️ OMB Cyber Unit

- **Background:** Funded through the Information Technology Oversight and Reform (ITOR) fund.

- **Vision**: Reduce the number of cyber incidents where sensitive Government information is compromised.

- **Objective**: Strengthen Federal cybersecurity through:

  1) Data-driven, risk-based oversight of agency and government-wide cybersecurity programs;

  2) Issuance and implementation of Federal policies to address emerging cyber risks;

  3) Oversight and coordination of the government-wide response to major cyber incidents and vulnerabilities to reduce their impact on the Federal government; and

  4) Engagement with key stakeholders to modernize relevant Federal cybersecurity statutes.

FY 2014 Incidents

- The number of information security incidents reported to US-CERT increased approximately 15% from FY 2013 to FY 2014

- FY 2014: **52%** of Federal civilian cybersecurity incidents related to or could have been prevented by **Strong Authentication implementation**

Reporting Source	Total Number of Incident Reports
Federal Government Total	69,851
Federal Government: CFO Act	67,196
Federal Government: Non-CFO Act	2,655
Non-Federal	570,371
TOTAL	**640,222**

Source: FY 2014 OMB FISMA Report
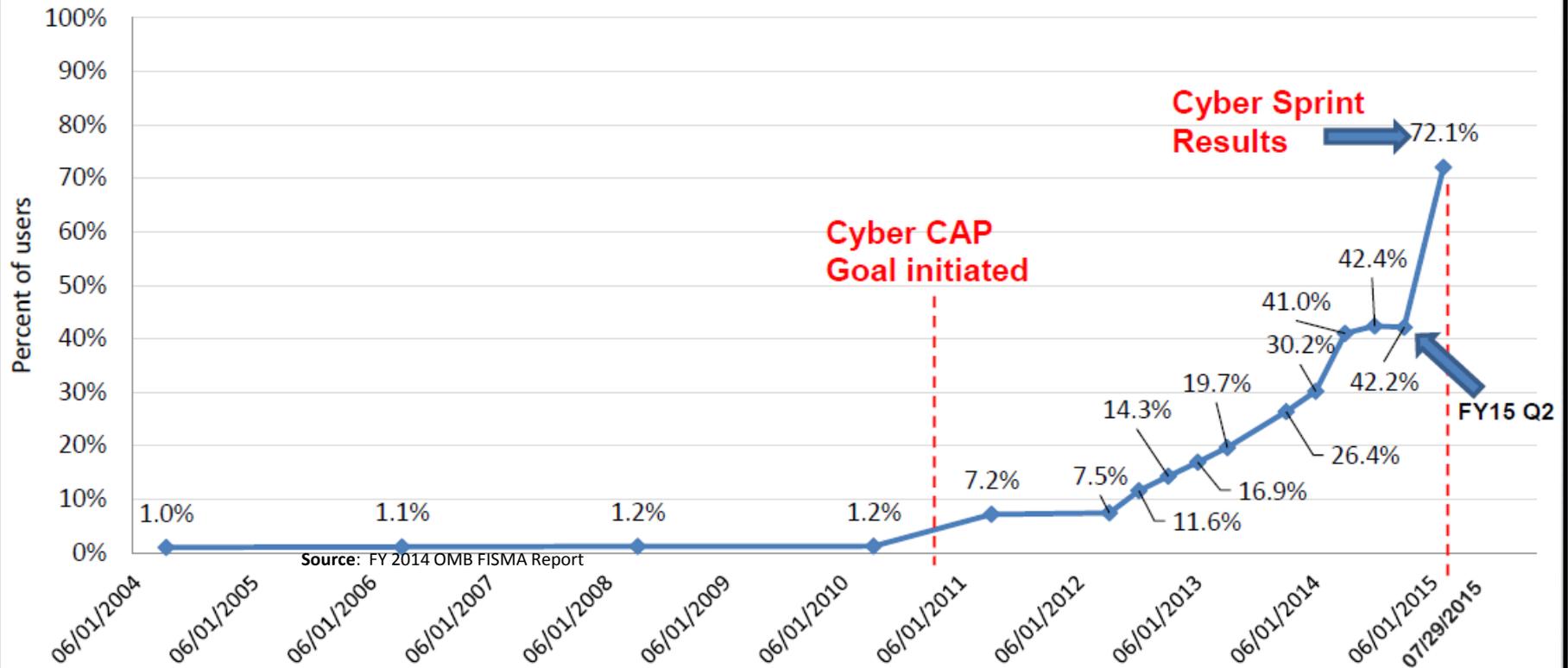
30-Day Cybersecurity Sprint:
Immediate Actions

- Scan networks for Indicators of Compromise (IOCs)
- Patch critical vulnerabilities without delay
- Tighten policies and practices for privileged users
- Implement Personal Identity Verification (PIV) cards for network access, especially for privileged users
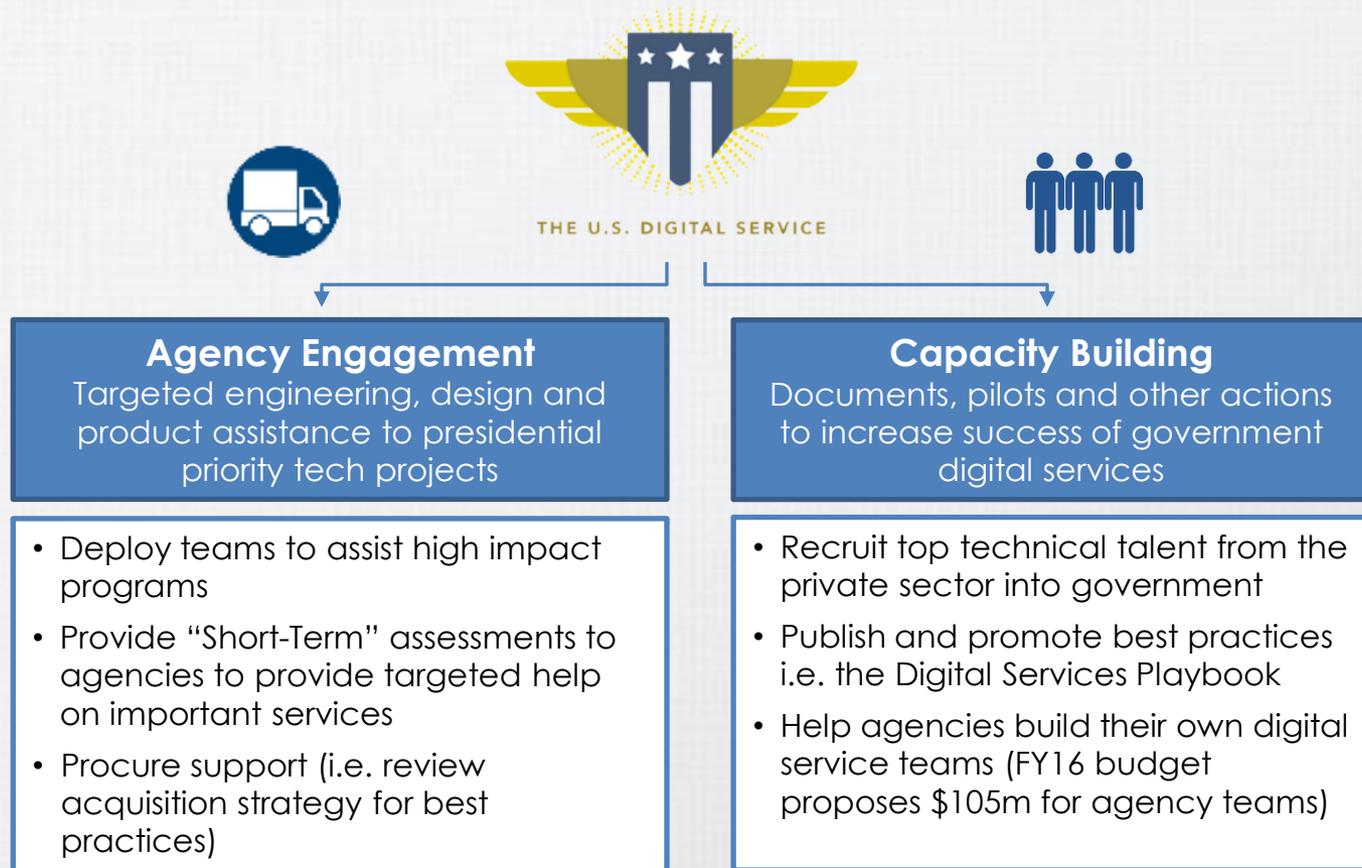- Identify high value assets and review corresponding security protections

Strong Authentication Results

CFO Act Agency Identity, Credential, and Access Management
(Strong Authentication) Implementation
All Civilian Agency User Network Accounts (Privileged and Unprivileged)

Source: FY 2014 OMB FISMA Report

Deliver World-Class Digital Services:
The Next Generation

THE U.S. DIGITAL SERVICE

Agency Engagement
Targeted engineering, design and product assistance to presidential priority tech projects

- Deploy teams to assist high impact programs
- Provide "Short-Term" assessments to agencies to provide targeted help on important services
- Procure support (i.e. review acquisition strategy for best practices)

Capacity Building
Documents, pilots and other actions to increase success of government digital services

- Recruit top technical talent from the private sector into government
- Publish and promote best practices i.e. the Digital Services Playbook
- Help agencies build their own digital service teams (FY16 budget proposes $105m for agency teams)

U.S. Digital Service Objective: Transform the government's most important citizen/business-facing digital services to be simple, reliable, and delivered quickly for the appropriate price. Develop institutional capacity to create lasting change.

Thank you!

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