Leveraging Data as a Strategic Asset

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President’s Management Agenda
Cross-Agency Priority Goals

Key Drivers of Transformation

Cross-Cutting Priority Areas
- IT Modernization (CAP Goal 1)
- Data Accountability, and Transparency (CAP Goal 2)
- People - Workforce of the Future (CAP Goal 3)

Functionality Priority Areas
- Improving Customer Experience (CAP Goal 4)
- Sharing Quality Services (CAP Goal 5)
- Shifting From Low-value to High-value Work (CAP Goal 6)
- Category Management (CAP Goal 7)
- Results-Oriented Accountability for Grants (CAP Goal 8)
- Getting Payments Right (CAP Goal 9)
- Federal IT Spending Transparency (CAP Goal 10)
- Improve Management of Major Acquisitions (CAP Goal 11)
Leverage Data as a Strategic Asset
to grow the economy, increase the effectiveness of the Federal Government, facilitate oversight, and promote transparency.
Executive Leadership

• Department of Commerce Under Secretary for Economic Affairs, performing as Deputy Secretary
• U.S. Small Business Administration
• Federal Chief Information Officer of the United States
• Chief Statistician of the United States
• White House Office of Science and Technology Policy
Achievement of the goal will leverage four high-level areas, supported by four cross-cutting drivers of change.
Breaking Down Silos to Bring in Expertise Across Government

Engaging Stakeholders Throughout the Development of the Strategy

Working Iteratively to Incorporate Feedback Along the Way

WORK STREAM 1

- **July 2018**
  - Draft Principles
  - Call for Best Practices

- **October 2018**
  - Principles
    - Draft Practices

- **January 2019**
  - Federal Data Strategy (Principles and Practices)
    - Draft Year 1 Action Plan

- **April 2019**
  - Year 1 Action Plan

The Data Incubator Project: Use Cases and Playbook

WORK STREAM 2

- **July 2018**
  - Call for Use Cases

- **October 2018**
  - Use Case List

- **January 2019**
  - Incubation of Selected Use Cases

- **April 2019**
  - Data Incubator Playbook
The Federal Data Strategy

Principles
Timeless, enduring guide for agencies

Practices
Aspirational goals for a 5- to 10-year horizon to further the principles

Action Steps
Agency activities chosen to implement the practices in any given year
Progress in Q3

For additional information and ways to engage follow updates on strategy.data.gov

Federal Data Strategy Development
WORK STREAM 1

- Investigated data best practices from governments, academia, and the private sector
- Developed Principles and Draft Practices for October publication on strategy.data.gov
- Established Multi-Agency Working Groups and Incubator Team published on strategy.data.gov/team
- Hosted first Federal Data Strategy Federal Forum w/ ~45 thought leaders representing multiple agencies, bureaus, and levels of government
- Presented the FY18Q2 calls for feedback to 5 interagency councils, the State Chief Data Officer Network and 5 conferences

The Data Incubator Project
WORK STREAM 2

- Evaluated 186 use case examples submitted by governments, academia, and the private sector
- Developed a Use Case List and Incubator Process for October publication on strategy.data.gov
Mission Statement: The mission of the Federal Data Strategy is to fully leverage the value of federal data for mission, service, and the public good by guiding the Federal Government in practicing ethical governance, conscious design, and learning culture.

**Ethical Governance**
- Uphold Ethics
- Exercise Responsibility
- Promote Transparency

**Conscious Design**
- Ensure Relevance
- Harness Existing Data
- Anticipate Future Uses
- Demonstrate Responsiveness

**Learning Culture**
- Invest in Learning
- Develop Data Leaders
- Practice Accountability
Draft Practices for the Federal Data Strategy

Objectives

Govern and Manage Data as a Strategic Asset
Protect and Secure Data
Promote Efficient Use of Data Assets
Build a Culture that Values Data as an Asset
Honor Stakeholder Input and Leverage Partners

Governance

Establish Data Governance Structures
- Inventory Data Assets
- Identify High-Value and Authoritative Data Assets
- Align Resources to Value and Authority
- Manage High-Value and Authoritative Data Assets
- Assess Data Maturity
- Manage with a Long View
- Coordinate Federal Data Assets

Define Responsibilities for Protecting Confidentiality
- Review Data Releases for Disclosure Risk
- Prioritize Data Security
- Evolve Data Security
- Preserve Data Integrity
- Align Contracts with Data Management Requirements

Recover Allowable Costs
- Allow Amendment
- Leverage Partnerships
- Engage Federal Experts
- Honor Proprietary Interests

Explicitly Communicate Allowable Use
- Leverage Buying Power
- Plan Ahead with Informed Consent
- Focus on End Uses of Data

Creation or Collection (Acquisition)

Entire Lifecycle

Preserve Federal Data
- Prepare to Share
- Promote a Culture that Values Data as an Asset
- Assess the Needs of Stakeholders
- Balance Stakeholder Needs
- Monitor and Address Public Perceptions

Use
- Publish Data Documentation
- Diversify Data Access Methods
- Innovate to Enable Safe Use
- Share Data Across Agencies
- Share Data Between State and Local Governments and Federal Agencies
- Connect Data Functions Across Agencies
- Increase Staff Capacity for Data Analysis
- Enable Use through Data Platforms
- Improve Secure Data Linkage
- Plan for Evidence-Building
- Incorporate Data into Decision-Making
- Communicate Insights from Data
- Connect Federal Spending to Outcomes
- Innovate with Partners

Dissemination
- Promote Wide Access
- Maximize Economic Value through Open Access
- Prevent Monopolization of Federal Data

Storage and Disposition
- Leverage Data Standards
- Processing
The Data Incubator Project

Use Case List
The Data Incubator Project will gather and publicly share use case examples of how data can be leveraged as a strategic asset to achieve agency mission and public interest.
Federal Data Strategy

What is the Federal Data Strategy?

The use of data is transforming the world. The way the Federal Government provides, maintains, and uses data has a unique place in society, and maintaining trust in federal data is crucial to a democratic process. The Federal Government needs a coordinated and integrated approach to using data to deliver on mission, serve the public, and steward resources while respecting privacy and confidentiality.

The Federal Data Strategy will define Principles, Practices, and a Year 1 Action Plan to deliver a more consistent approach to federal data stewardship, use, and access. The Federal Data Strategy development team will also test solutions and assumptions along the way with The Data Incubator Project, which will help identify priority use cases and methods that should be replicated or scaled.

The four Federal Data Strategy areas for exploration
Submit Comments to Federal Register or at strategy.data.gov until November 16

Public Forum at Bipartisan Policy Center November 8
Get Involved

- Meet the team
- See progress to date
- Submit comments
- Learn about opportunities for input

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