



Establish an Agency-Wide Data Strategy

The Data and Analytics CoE offers a customized **Data and Analytics Strategy** service that enables optimal access to agency data. Our approach identifies challenges and areas for improvements in the current state and works collaboratively with the agency to define the vision. Our team employs industry best practices and architectural principles to define the target state. The strategy is delivered with a well-defined implementation plan that includes year-long projects, benefits and risks.

OVERVIEW

To assist agencies in fulfilling mission priorities, such as establishing a data-driven environment and culture, the CoE has developed a framework for a data and analytics strategy and implementation plan. Starting with establishing a solid understanding of the current state of agency’s data landscape and its shortcomings, the strategy:

- **Enables a data-driven organization through a trained workforce** to maximize the value of data sets
- **Supports agency-wide data governance and management** that expands the ability to secure, access and organize data
- **Results in a technology platform for users and data scientists** that enables problem solving and innovation

BENEFITS

We work closely with stakeholders, executive sponsors, and working groups to understand the agency’s data environment and goals. The team reviews available information, prioritizes user needs, and applies industry best practices to develop an implementation plan. The CoE generates the following improvements through customized data and analytics strategy services:

- To develop and deploy tools that provide agency-wide impact
- Deliver continuous value through data and analytics maturation
- Craft strategies for managing structured and unstructured mission-critical data across the agency

CASE STUDIES



Department of Agriculture

- Established enterprise data and analytics services and developed Mission Area Dashboards to support USDA business decisions with wide adoption across 6 USDA mission areas.
- Developed a playbook to help USDA mission areas improve their data capabilities and maturity



Consumer Product Safety Commission

- Developed a data strategy to address data ingestion, processing, and storage challenges.
- Developed an action plan to ensure more efficient usage of enterprise data to more effectively protect the public from injury or death associated with consumer products.

“Driving innovative and collaborative consumer product safety solutions through the rapid delivery of essential, reliable, and relevant data and analytics.”

— The Consumer Product Safety Commission’s Organizational Vision Statement for their Target State

DATA AND ANALYTICS STRATEGY DEVELOPMENT

Agencies need **quality data** that is **discoverable** and **accessible** to drive service delivery and fulfill their missions. We'll help you get there.

1. CURRENT STATE ASSESSMENT

Together we review your data environment, and assess your current **management & analytics maturity**.

- Identify Key Stakeholders
- Collect Artifacts
- Attend Systems Briefings and Demos

Schedule and Hold Interviews



Capture/Develop

Stakeholder Interviews
 Analysis Framework
 Data & Analytic Themes
 Capability Heat Map

OUTCOME

Thorough Understanding of Current Data Infrastructure and Challenges

2. TARGET STATE PROPOSAL

Next, we'll help you define the **target state of new data and analytics capabilities by looking at...**

- Proven Industry Patterns and Current Industry Trends
- Agency Aspirations
- Current Data Themes
- Statutes and Guidance

Along with...



Organizational Design



OUTCOME

Collaboratively Defined Target State Proposal

3. ENTERPRISE-WIDE STRATEGY

We'll provide by-step **improvements from current state to target state.**

- Scope
- Strategic Goals
- Guiding Principles

Resulting in...



Phased Approach to Implementing a Data and Analytics Strategy

- Develops and deploys tools that provide agency-wide impact
- Delivers continuous value through data and analytics maturation
- Crafts strategies for managing structured and unstructured mission-critical data across the agency

OUTCOME

Sustainable, Progressive and Well-rounded Action Plan to Migrate from Current State to Target State

4. ENTERPRISE-WIDE IMPLEMENTATION PLAN

The Implementation Plan breaks down the Strategy into phased **projects.**



Each phase consists of...

- Recommended Duration
- Data Management Activities
- Infrastructure Projects
- Business Use Cases
- Benefits to Users
- Potential Risks

PHASE	Plan	Collect	Use	Process	Archive
INITIAL	●				
INTERMEDIARY	●	●	●	●	●
FINAL		●	●		

OUTCOME

Well-defined Projects that are Aligned to an Agency's Budgetary Cycles