Government Data
A Service for the Public and Government

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Data.gov & NOAA OCIO
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Government Delivering the Mission to the People

The People of the United States of America

Core Mission

Mission Support

Governance

- Weather & Water
- Corporate Services
- Climate Change
- Ecosystems Mgt
- Common Infrastructure
- IT Infrastructure
- Facilities
- Direct Mission
- Commerce & Transportation

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NOAA Organized to Deliver Its Mission

Governance
- Under Secretary
- CFO
- CIO
- Other Governance

Mission Support
- Corporate Services
  - Procurement
  - Human Resource Management
  - Facility Management
  - Financial Management
- Common Infrastructure
  - Facilities
  - IT Infrastructure (OMB ITI Line of Business)
    - End-User Systems & Support
    - Telecommunications Systems & Support
    - Mainframe and Servers Systems & Support
  - Direct Mission
    - Satellites
    - Marine & Aviation
    - Modeling & Observation
    - Mission Computing & Communication

Core Mission
- Weather and Water
- Ecosystems Management
- Climate Change
- Commerce and Transportation

People of the United States of America

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A House of Many Rooms & Many Activities

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(Direct Mission)
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Mission Support
(Corporate Services & IT Infrastructure)
- Financial Management
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Mission Support (Corporate Services & IT Infrastructure)
- Financial Management
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Government Data as a Service

Federated Catalogs

Metadata Catalogs

Apps

API’s

Apps

Cloud-based “Virtual Data-Store”
Government Data as a Service

Federated Metadata Catalogs

Cloud-based “Virtual Data-Store”

API’s

Apps

Apps
Government Data as a Service

Federated Catalogs

Metadata Catalogs

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API’s

Apps

Cloud-based “Virtual Data-Store”
Metadata Architecture: Simple Core + Domain-specific Extensions

**CORE**

**ADMINISTRATIVE**
(for management of metadata record)

**CORE DATA ASSET**
(for any and every data asset)

- Description
- Access
- Custody

**EXTENSION**
Data Asset Type[s] (Catalog)
- Raw Data
- Tools
  - [APIs]
  - [etc]
  - [etc]

**EXTENSION**
Program/Policy (Goal/Constraint)

**EXTENSION**
Access (Method)

Links data assets to program planning, budgeting, and execution processes

Program (OMB) Accounting Line
Metadata Architecture: Simple Core + Domain-specific Extensions

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*Program (OMB) Accounting Line*
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Program (OMB) Accounting Line

Links data assets to program planning, budgeting, and execution processes
Regulated Transparency, Progressive Openness

- Data created by government programs
- Re-use by other government programs
- Re-use by the public citizens and the private sector
Regulated Transparency, Progressive Openness

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