
FEA DRM Management Strategy

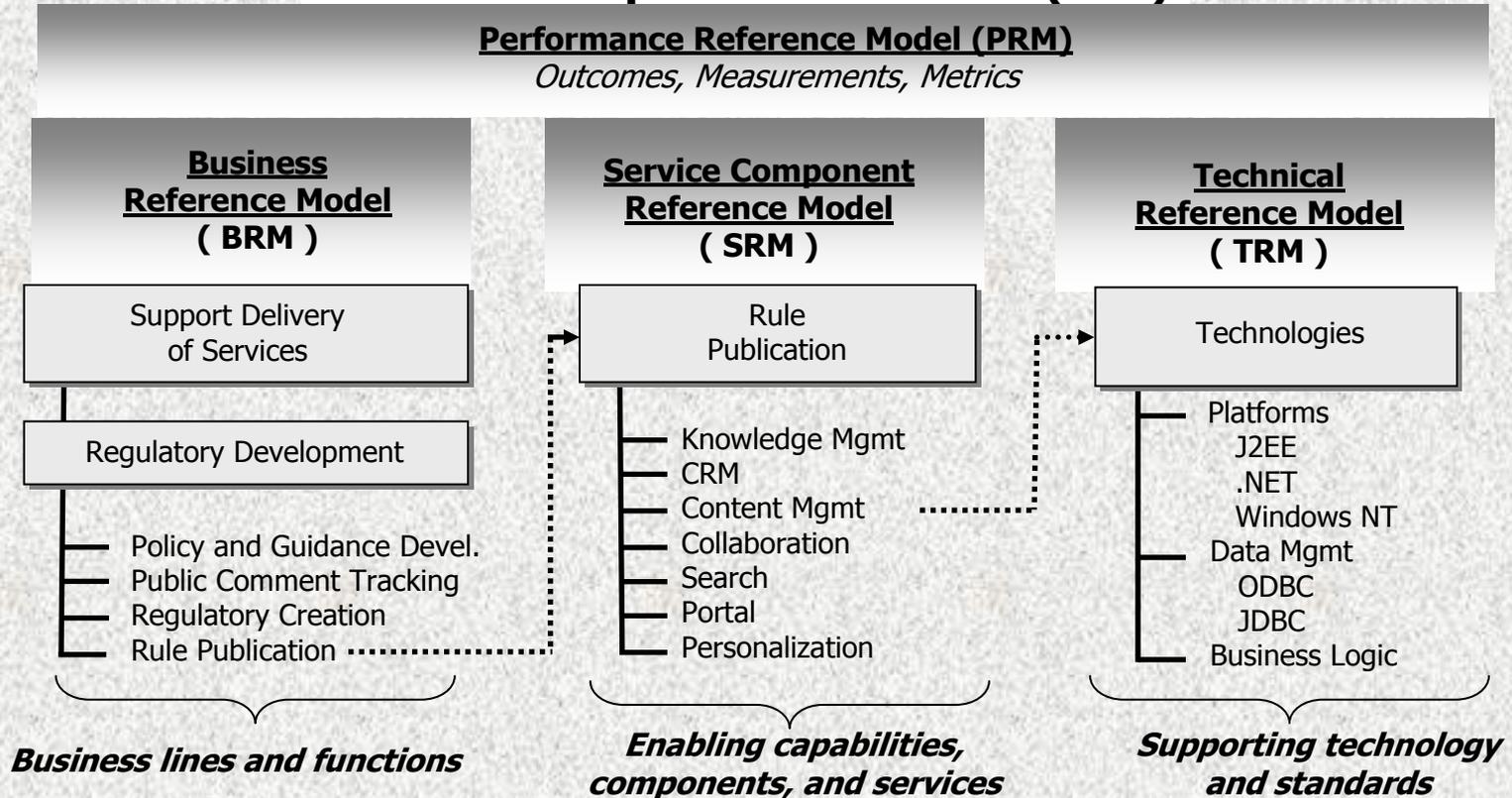
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Key Parts of the DRM Management Strategy

- **DRM relationship to other FEA Reference Models**
- **DRM Purpose**
- **FEA DRM Concept**
- **Guiding Principles**
- **Enabling Factors**
- **Enabling Approach**
- **Critical Success Factors**

The FEA inter-related reference models are designed to facilitate cross-agency analysis of investments and business functions, while identifying opportunities for collaboration and cost efficiencies

Federal Enterprise Architecture (FEA)

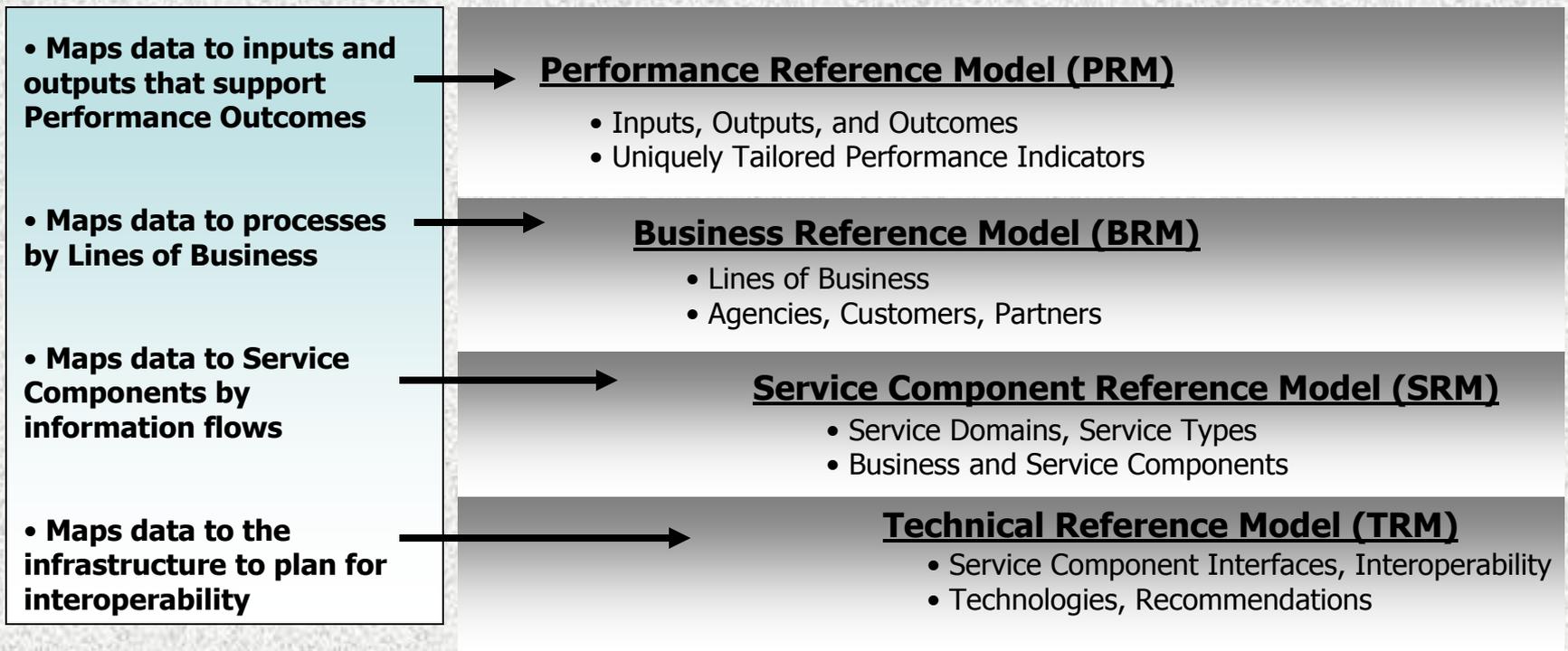


Data and Information Reference Model (DRM)

Business Context, Data Classification / Categorization, XML, Sharing

The DRM supports each of the other FEA Reference Models

Data Reference Model (DRM)



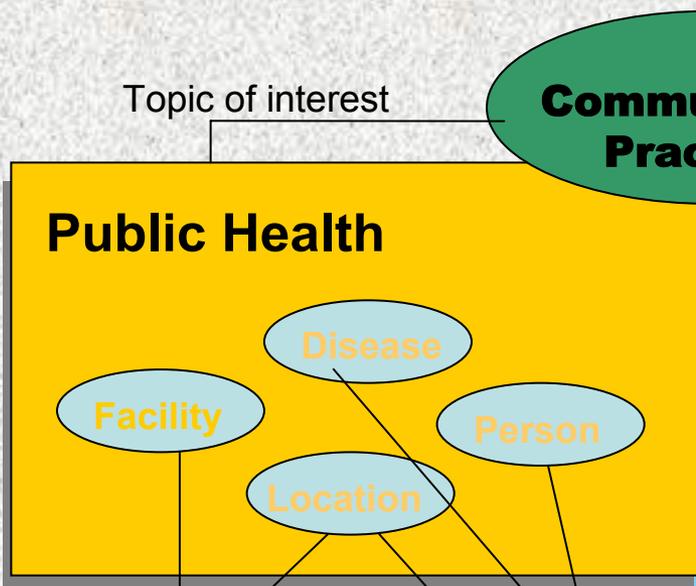
DRM Purpose

The Data Reference Model provides a structure that facilitates the development and effective sharing of government data across communities of practice and lines of business.

FEA DRM Concept

*** SUBJECT AREA:**

*** Info Classes:**
Categories of data used to perform business operations and shared by business functions



Topic of interest

Community of Practice

- Agencies that need to solve a common problem
- Agencies that need to share data
- Agencies that perform similar processes

Business Sub-Functions:
Public Health Monitoring

Agencies define their information and processing needs. This can be applied at the most granular level of information exchanged.

*** INFORMATION EXCHANGE:** Packages of meaningful data used as an input to decisions or generated as an output during process execution

External Request

Business Process

Information Exchange

Information Exchange

Relational Table

Object Description

XML Schema

*** DATA ELEMENT DESCRIPTION**

NOTIONAL:

Guiding Principles

- Data is the businesses representation (or model). A business activity may
 - **Originate data**
 - **Produce data**
 - **Retain data**
 - **Obtain data from or give data to other business activities**
- Data should be designed to be shareable and reusable
- It is important for the business that it has a common semantic understanding of the data
- Data is a valuable business resource that must be managed
- Data and Information Stewardship responsibility is necessary to support the mission of the agency
- DRM processes must evolve over time and be iterative

Enabling Factors

- **Registry and process to maintain what data is available with its associated metadata**
 - **Policies about what to register**
 - **Initial Registration**
 - **Harmonization and Standardization process**
 - **Maintenance and updating of metadata**
- **Discovery process to find out what data is available and where to get it**

Enabling Factors Continued

- **Process to measure achievement of business goals related to data**
- **Education of business and IT users**
- **Registry of information exchange agreements**

DRM Enabling Approach

(Notional)

Governance

(A federalist approach that includes COI representatives nominated from agencies and E-Gov initiatives)



Collection: Scope is info currently shared or plan to share in a year. Participating organizations create the DRM XML document in conformance to the schema.

Registration: A DRM Registry that is either federated or centralized. Core.gov is a candidate.

Harmonization & *Governance identifies the business requirements.*

Standardization : This activity achieves semantic understanding to support the business requirement.

Measure: Were the business goals achieved?

Critical Success Factors

- **Strong and continuous executive management (OMB and Federal CIO Council)**
 - **Understanding, attention, involvement, and support including compliance, policies, and enforcement methods**
- **Strong and continuous Communities of Practice (COP)/Lines of Business (LOB) understanding, attention, involvement, and support**

Critical Success Factors Continued

- **Sufficient resources (people, time, and tools) are provided by Communities of Practice (COP)/Lines of Business (LOB) to adequately perform the DRM tasks**
- **Data standards are developed, adopted, maintained, and adhered to by the COP/LOBs**
- **Enabling tools, such as a Federal Data Registry, are made available to engage COP/LOBs**
- **Development and tracking of measures**

Questions

