



Consistent Data Strategy

Agenda

Overview of Data Strategy

XML Framework

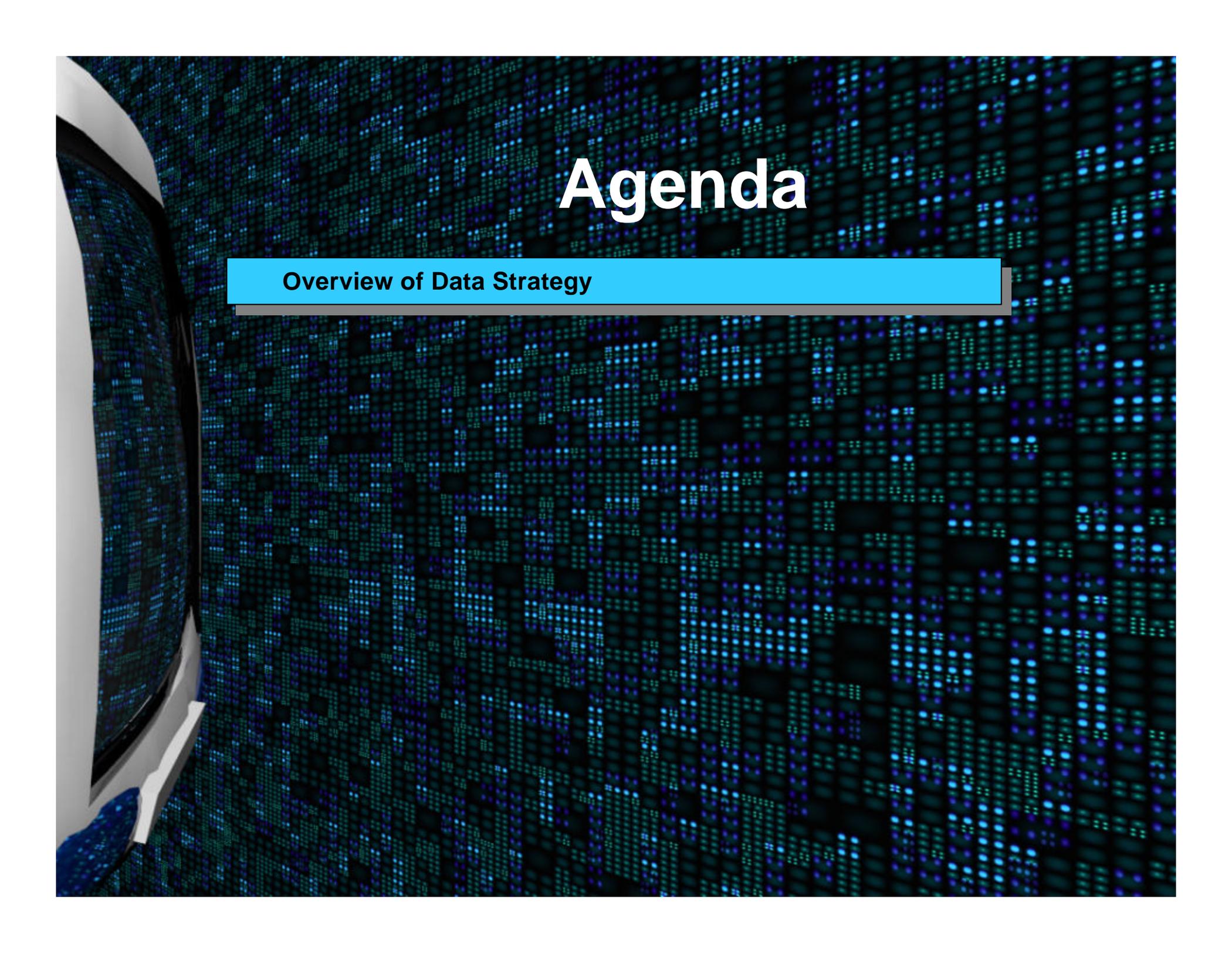
Access Methods

Data Standards

Data Quality

Data Architecture

Data Ownership



Agenda

Overview of Data Strategy

FSA Consistent Data Framework

Define an enterprise-wide data strategy that addresses the business flow of data across the enterprise, architecture, primary ownership, standards, management, access methods, and quality.

FSA Consistent Data Framework				
Access Methods	Internal Data Exchange <i>(Internal Data Strategy)</i>	External Data Exchange <i>(FSA Gateway Strategy)</i> - SAIG - Web Services	Portals / Websites <i>(Portal Strategy)</i> - Schools - Students - Financial Partners	
	Data Access Services - EA - Web Services <i>(Web Services Strategy)</i>			
Data Standards	Data Standards - XML - Custom Flat File - EDI			
Data Quality	Data Correction Services - First time data corrections	Reconciliation Services - Repeatable data consistency checks (Person demo, data) - Data reconciliation scripts	Audit Services - Cross-system financials checks (Aggregated account balance to detailed trans.)	Analytics - Data Mining - Statistical Analysis
Data Architecture	Security - Authentication - Encryption - Authorization - Access - Privacy	Integrated Data Dictionaries	Backup, Restore, and Archiving	XML Vision <i>(XML Strategy)</i>
		Common Identifiers - Common Student ID - Rolling ID		Records / Document Management
		Database / Data Warehouse Strategy <i>(Data Mart / Warehouse Strategy)</i>		Registry / Repository
Data Ownership	Data Owner	Data Owner	Data Owner	Data Owner

* Representative examples
 ** Technical Architecture Strategies - In Progress

Last Updated: 01/31/03

FSA Consistent Data Framework

Identify the strategy focus areas necessary to develop a cohesive enterprise-wide Data strategy.

FSA Consistent Data Framework				
Access Methods	Internal Data Exchange <i>(Internal Data Strategy)</i>	External Data Exchange <i>(FSA Gateway Strategy)</i> - SAIG - Web Services	Portals / Websites <i>(Portal Strategy)</i> - Schools - Students - Financial Partners	
	Data Access Services - EAI - Web Services <i>(Web Services Strategy)</i>			
Data Standards	Data Standards - XML - Custom Flat File - EDI			
Data Quality	Data Correction Services - First time data corrections	Reconciliation Services - Repeatable data consistency checks (Person demo. data) - Data reconciliation scripts	Audit Services - Cross-system financial checks (Aggregated account balance to detailed trans.)	Analytics - Data Mining - Statistical Analysis
Data Architecture	Security - Authentication - Encryption - Authorization - Access - Privacy	Integrated Data Dictionaries Common Identifiers - Common Student ID - Routing ID	Backup, Restore, and Archiving Records / Document Management	XML Vision <i>(XML Strategy)</i> Core Components / Sector Libraries / Schemas Registry / Repository
	Database / Data Warehouse Strategy <i>(Data Mart / Warehouse Strategy)</i>			
Data Ownership	Data Owner	Data Owner	Data Owner	Data Owner

* Representative examples
 ** Technical Architecture Strategies - In Progress
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FSA Consistent Data Framework

Collaborate with all internal and external stakeholders to identify business needs and requirements with respect to the data provided to FSA by others, provided by FSA to others, and managed by FSA.

FSA Consistent Data Framework				
Access Methods	Internal Data Exchange <i>(Internal Data Strategy)</i>	External Data Exchange <i>(FSA Gateway Strategy)</i> - SAG - Web Services	Portals / Websites <i>(Portal Strategy)</i> - Schools - Students - Financial Partners	
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Data Standards	Data Standards - XML - Custom Flat File - EDI			
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Data Ownership	Data Owner	Data Owner	Data Owner	Data Owner

* Representative examples
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XML Framework

XML Framework

XML Vision
(XML Strategy)

Core Components /
Sector Libraries /
Schemas

Registry /
Repository

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XML Framework

Access Methods

Access Methods

Internal Data Exchange
(Internal Data Strategy)

External Data Exchange
(FSA Gateway Strategy)

Portals / Websites
(Portal Strategy)

- SAIG
- Web Services

- Schools
- Students
- Financial Partners

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Data Standards

Data Access Services

- EAI
- Web Services
(Web Services Strategy)

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Data Quality

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Data Correction Services
- First time data corrections

Reconciliation Services
- Repeatable data consistency checks (Person demo. data)
- Data reconciliation scripts

Audit Services
- Cross-system financials checks (Aggregated account balance to detailed trans.)

Analytics
- Data Mining
- Statistical Analysis

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Data Architecture

Security <ul style="list-style-type: none">- Authentication- Encryption- Authorization- Access- Privacy	Integrated Data Dictionaries	Backup, Restore, and Archiving
	Common Identifiers <ul style="list-style-type: none">- Common Student ID- Routing ID	Records / Document Management
	Database / Data Warehouse Strategy <i>(Data Mart / Warehouse Strategy)</i>	

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Questions

Email:

Paul.Hill.Jr@ED.GOV

Phone:

(202) 377-4323

