



Virginia Information Technologies Agency

Data, Data, Data Strategy, Standards and data.gov

Nadine M. Hoffman
Data Manager

AITRs Meeting
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Commonwealth Data Strategy

- From March – June 2009 an ITIM Customer Council work group was formed to create a Commonwealth Data Strategy
- Members of the work group represented the following agencies:
 - VEC – Virginia Employment Commission
 - DMV – Department of Motor Vehicles
 - DSS – Department of Social Services
 - DHP – Department of Health Professions
 - DRS – Department of Rehabilitative Services
 - TAX – Department of Taxation
 - VDOT – Department of Transportation
 - JCOTS – Joint Commission Technology & Science
 - VITA – Virginia Information Technology Agency
- Work products were reviewed ITIM Customer Council members on May 19th and a final review on July 21st.





Data Strategy Scope

- The Data Strategy is a high level approach
 - Identifies a vision for enterprise data management and
 - Goals and objectives to achieving the vision
- Purpose of the Strategy
 - Introduce data management concepts and best practices to Commonwealth leadership
 - To guide enterprise data initiatives

What is Enterprise Data?

- Enterprise data is data that is collected by two or more state agencies or data shared between states or other entities.
- Example categories of enterprise data – procurement vendor, employee and felon data

Enterprise Data Initiatives

- *Common Characteristics*

- Defining a common data model to meet business requirements
- Identifying roles and responsibilities for managing common data
- Defining how to populate and store, on an ongoing basis, the common data
- Defining a data quality process for ensuring a level of fitness for intended use
- Implementing a means of providing access to the shared data.



Vision

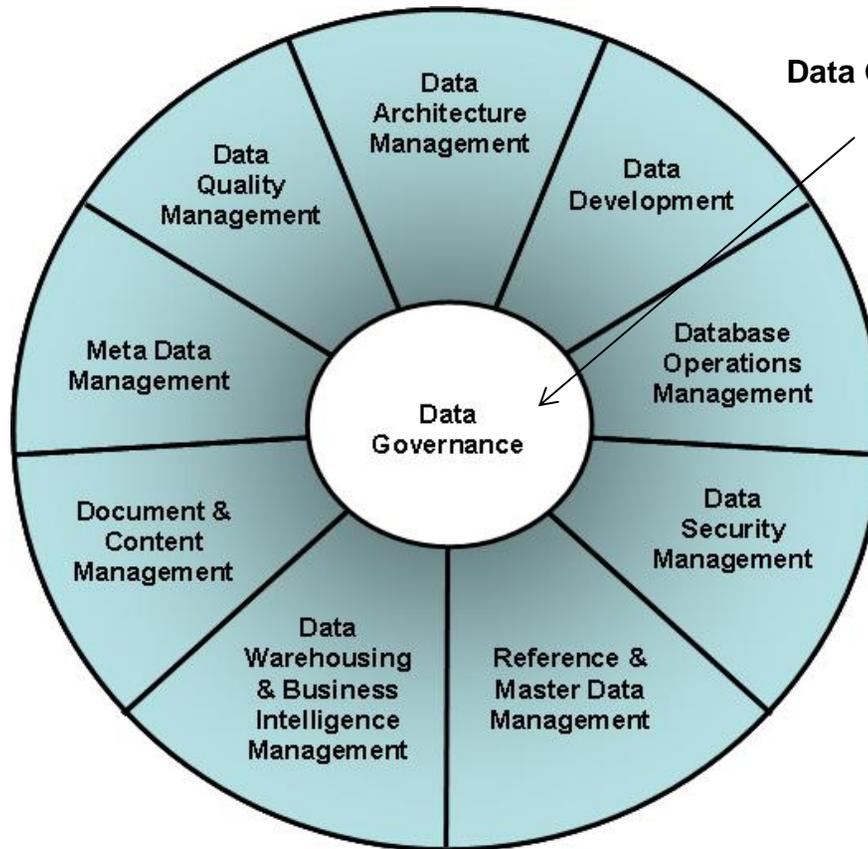
Enterprise data and information is managed as a Commonwealth asset to provide value to our citizens and stakeholders.

Goals:

1. Implement an enterprise data management program
2. Enable data sharing
3. Establish data governance and oversight



Data Management Functions



Data Governance is essential to a successful Data Management Program

The Data Management Body of Knowledge (DMBOK) <http://www.dama.org/i4a/pages/index.cfm?pageid=3364>



Data Standards Initiative

- 2008 Budget Bill
 - Required central agencies (DOA, DPB, DGS, DHRM, and TRS) to define data standards
 - Define data standards to support the new financial management system (DOA and VDOT)
- 2009 Senate Bill 936
 - Transparency and data standards for vendor and procurement data
 - Specific timeframes
 - DOA, DGS, and VITA



Data Standards - Status

- Developed a Data Standardization Process
- Developing Communities of Interest (COIs) to define internal Commonwealth data standards.
- Data Standards - FM Initiative (DOA/VDOT)
 - Procurement Vendor Standard – Sept 2009
 - COI – DGS, DOA and VITA SCM
 - Order to Pay Standard – Dec 2009
 - COI – DGS, DOA and VITA SCM
 - HR Standard – scoping a project
- Data Standards – DMV's CSI Project
 - Evaluating work to identify what data can be standardized to support CSI and other initiatives
 - Other agencies will be included based upon subject area



Other Initiatives – Data Standards

- Health IT
 - Health IT Standards Advisory Committee- HITSAC established by ITIB July 1, 2009
 - Recommend health IT standards to ITIB
 - Focus on state agency interoperability
 - Committee members, meeting schedule and documents posted on VITA website
<http://www.vita.virginia.gov/ITIB/default.aspx?id=9706>
 - ARRA grant application just released for Health Information Exchange (HIE). Application due October 16th, awarded in December 2009

Data.gov

- President Obama's Open Government Initiative
 - A government that is transparent, participatory and collaborative.
- Initial Open Government examples at the federal level
 - USAspending.gov
 - Recovery.gov
 - Data.gov
- **Goals of Data.gov**
 - Break down stovepipes to increase access to data
 - Provide instant access - data is only one click away
 - Format data so it can be manipulated or mashed-up (machine readable)
 - Encourage development of innovative applications
 - Provide tools to access complex databases
 - Develop/provide widgets
- The Data Architecture Sub-committee (DAS) has spearheaded the federal efforts to develop data.gov policies, a standard metadata template, recommended raw data formats and a governance structure.





What is Virginia doing?

- Participating in a NASCIO-OMB sponsored committee to collaborate with Utah, California and District of Columbia to define how states will join the Data.gov initiative. Committee will wrap up work at end of September.
- Currently assessing our Commonwealth situation...
 - What public data are available? Is it easy to find?
 - Is it in a machine readable format?
 - Is there metadata to explain the data?
 - Can we provide more?
- Example of the preferred formats for 'raw' data:
 - XML, CSV/TXT, RSS, Keyhole Markup Language (KML/KMZ), ESRI Shapefile
- Avoid datasets in the following formats:
 - PDF and HTML (e.g., HTML tables containing data)



What is Virginia doing?

- Timeframe to launch – TBD
- Agencies will retain responsibility for data sets on their websites – just links to data.gov
- Centrally store a public data set catalog to drive the data.gov site
- More guidance coming in October



Want to learn more...

- *We want business feedback on the data strategy. Let us know when we can review it with your agency.*
- *If you have existing data standards for enterprise data managed by your agency, submit them through the ITIB approval process.*
 - A data standard approval process is under review and will be finalized and published in September.
- *Visit our new website*
 - Within 3 weeks we will launch a Data Management site under the VITA internet site
 - Members of the EAD Data Management Group
 - Data standards catalog and guidance for creating and using adopted data standards
 - Data management best practices/guidance
 - Presentations and reference documents
- *Email me at nadine.hoffman@vita.virginia.gov or call 786-0543*