



Virginia Information Technologies Agency



Enterprise Service Opportunities from MITA Program



Background

- HHR Secretary and the MITA Program Director have requested that VITA provide Enterprise-level services in support of the MITA Program.
- Standing up the Enterprise-level services leverages federal funding to provide services that can eventually be used by all state agencies.
- VITA is provisioning Service Oriented Architecture tools including Data Management tools to support the HHR Enterprise.
- Funding was received; software procured; project staffing started; and, projects initiated.
- VITA will develop an approved cost allocation/charge back model for ongoing support of the services as part of these projects.



VITA Support for HHR/MITA

Projects underway

- VITA Enterprise Data Management tool (EDM)
- DMV Commonwealth Authentication Service (CAS)
- Service Oriented Architecture Platform (SOA)
- HHR Program/Project Management Oversight and Support
- Enterprise Data Governance



Commonwealth Enterprise Implications

Commonwealth Authentication Service - this will:

- Provide greater access to all citizen services;
- Open the door to self service at conventional offices;
- Support the use of more online services; and
- Curb Identity theft; fraud, and abuse of services.

The same benefits can be achieved inside and outside of HHR.



Commonwealth Enterprise Implications

Enterprise Data Management Tools – provide a single, unified and trusted view of data entities for any user or application.

- Can be used anywhere a single trusted view of data is required.
- Can be applied to merging multiple sets of data into a single view.



Commonwealth Enterprise Implications

Service Oriented Architecture Platform:

- Historically, these tools have been too expensive for the agencies to procure themselves.
- Sharing, allows the Commonwealth to leverage the HHR investment and results in significant value. Examples:
 - Reusability of services among agencies
 - Decoupling legacy applications
 - Shared testing & development environments
 - Shared expertise and support



Commonwealth Enterprise Implications

SOA Platform Components:

- Enterprise Service Bus (ESB) – the pipe that:
 - Connects legacy applications to newly developed applications and services.
 - Manages data exchanges between agencies and to/from external organizations.



Commonwealth Enterprise Implications

SOA Platform Components: (continued)

- Robust Asynchronous Messaging (MQ) – guarantees persistence of messages and supports publish/subscribe model (VDH publishes death notice once on queue, agencies subscribe as needed (daily, weekly, etc.))



Commonwealth Enterprise Implications

SOA Platform Components: (continued)

- Healthcare industry pack – extends ESB to support HL7 and HIPAA data exchanges.
- SOA Management, Registry & Governance – the foundation to sharing and reusing Web services across the agencies.



Commonwealth Enterprise Implications

SOA Platform Components: (continued)

- Business Rules Management System (BRMS) – benefits include:
 - Targeted use by Business Analysts: - reduced reliance on programmers.
 - The ability to express decision logic using a business vocabulary and graphical representations (decision tables, trees, scorecards and flows.)
 - Improved efficiency of processes through increased decision automation.



Commonwealth Enterprise Implications

SOA Platform Components: (continued)

- Business Process Management (BPM) – supports both automated and manual business processes
 - Provides advanced modeling, deployment, and monitoring of business processes.
 - Increases efficiency of performing tasks, managing work items, tracking performance and responding to events.
 - Empowers knowledge workers with real-time analytics to improve business processes.