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.
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.
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.
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.