



Virginia Information Technologies Agency

VITA MITA Shared Services

Architecture: Status/Acknowledgement

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The Journey:

- 3 years ago VITA IT Commonwealth governance identified opportunities for agency collaboration (SOA platform, Customer authentication)
- VITA and DMV CIO's Sam Nixon and David Burhop presented those opportunities to the impacted 3 cabinet secretaries
- Their response: **The Commonwealth must do this!**



What needed to be done: MITA Shared Services

- Enterprise Service Bus
 - Support for message transformation (including HL7)
- Asynchronous Messaging
- Web-service Registry and Repository
- Business Rules Management System (BRMS)
- Business Process Management System (BPM)
- Enterprise Data Management Solution
- Shared Customer Authentication Service

- Environment monitoring, managing and usage/billing portal



Along the way: requirements evolved

Additional Services Delivered

- Administration of shared application servers to support “small” eHHR projects
- Service Gateway
- Shared proxy servers to implement Commonwealth to outside connectivity to the shared services



Journey is not over, but:

Over 360 separate environments were created to support MITA Shared Services. They are all now:

- Monitored,
- Managed, and
- Secured



ProbChallenges: New Technology

VITA Technical Staff had to implement:

- The tools (all of them new to Commonwealth)
- Application Server
- Operating System
- Virtualization (LPARs)
- Isolation (Cells/profiles)
- Main hardware platform (IBM Power 7)



ProbChallenges: [continued]

- Enhance Security (WAF etc.)
- Enhance network speed to 10GB
- Go beyond traditional High Availability (HA) with Disaster Recovery (DR) to full (initially single site) Failover



HITSAC's role in supporting the journey

- The eHHR, VITA and DSS program managers have **coordinated** the various projects among the agencies
- HITSAC's recommended standards have allowed the solutions to be integrated (**coordinated**) effectively and efficiently