



Department of Veterans Affairs Personal Identity Verification (PIV) System

07/20/2007



Agenda

- History
 - Authentication Authorization Infrastructure Program (AAIP)
 - Required Changes
- Current State
 - PIV 0.5
 - PIV 1.0
- Future Goals
 - PIV 2.0
 - PIV 3.0



VA “Stand Alone” Decision

- **Experience** – Oct 2004, VA conducted a 10-month pilot that
 - o Issued 1,100 cards prior to HSPD-12
 - o Provided logical and physical access
 - o Three digital certificates
 - o Used an application process similar to the PIV process
- **Investment** – VA procured a substantial amount of resources to support our earlier smart card initiative.
 - o 85,000 smart cards
 - o Front-end and Back-end components (servers, workstations, printers, etc.)
- **Business Requirement** – VA’s unique operational mission requires a tailored solution
 - o Large affiliate population (80,000+) requires “OneVA” (non-PIV) cards
 - o 24-hour turn around on issuance
 - o 24/7 Help desk support



VA “Stand Alone” Decision (Cont’d)

- Increased Return on Investment
 - o VA’s focus is to advance the use of identity and access management (IAM) across the Department
 - Mapping of user privileges
 - Provisioning and deprovisioning services
 - Synchronization of data with authoritative sources
 - Rights management with standardized Role Based Access Control (RBAC) models
 - Management of entity profiles
 - o The IAM solution can be used to support management of veteran identities
 - o Establishing an enterprise IAM backbone within the VA will save millions of dollars



VA PIV Status

The Department of Veteran Affairs successfully complied with HSPD 12

- Issued first card to PCI Manager October 20th
- Issued twelve cards to Sponsor, Registrar and Issuers between October 20th and October 26th
- Issued three cards to employees October 27th
- Issued nearly 1,400+ cards since October 27th

VA legacy cards (ActivCard Applet v.2 on Cyberflex Access 64k v.1)

- Provide logical and physical access
- Have three digital certificates
- Comply with topographical requirements

Key Differences

- Does not have fingerprints loaded on the card
- The card stock is non-compliant

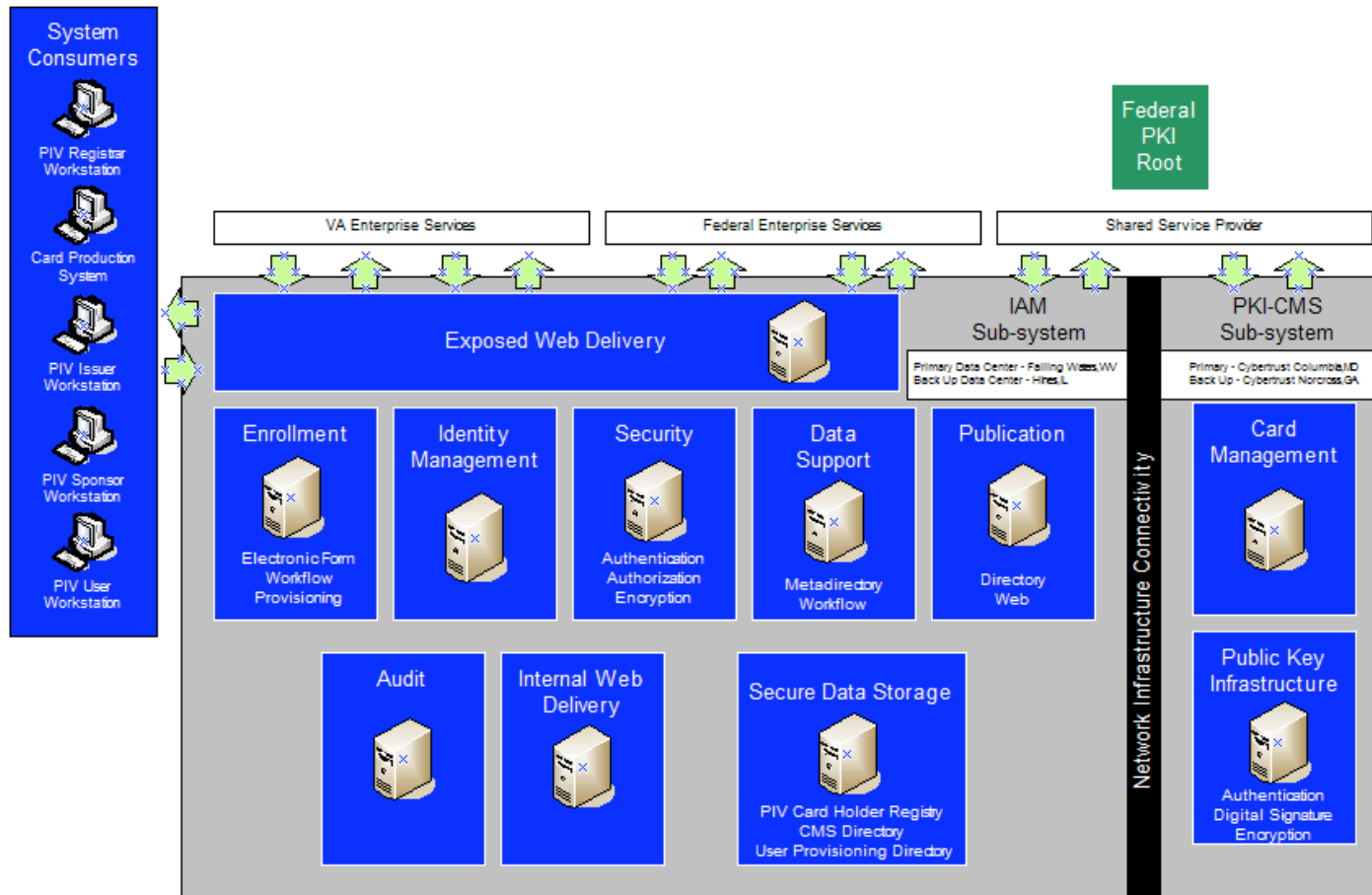
VA will begin PIV National Deployment September 2007

- 24-month deployment to implement Enrollment Operations at approximately 225 field locations serving 1,200+ facilities across CONUS



PIV Architecture - Version 0.5

October 2006



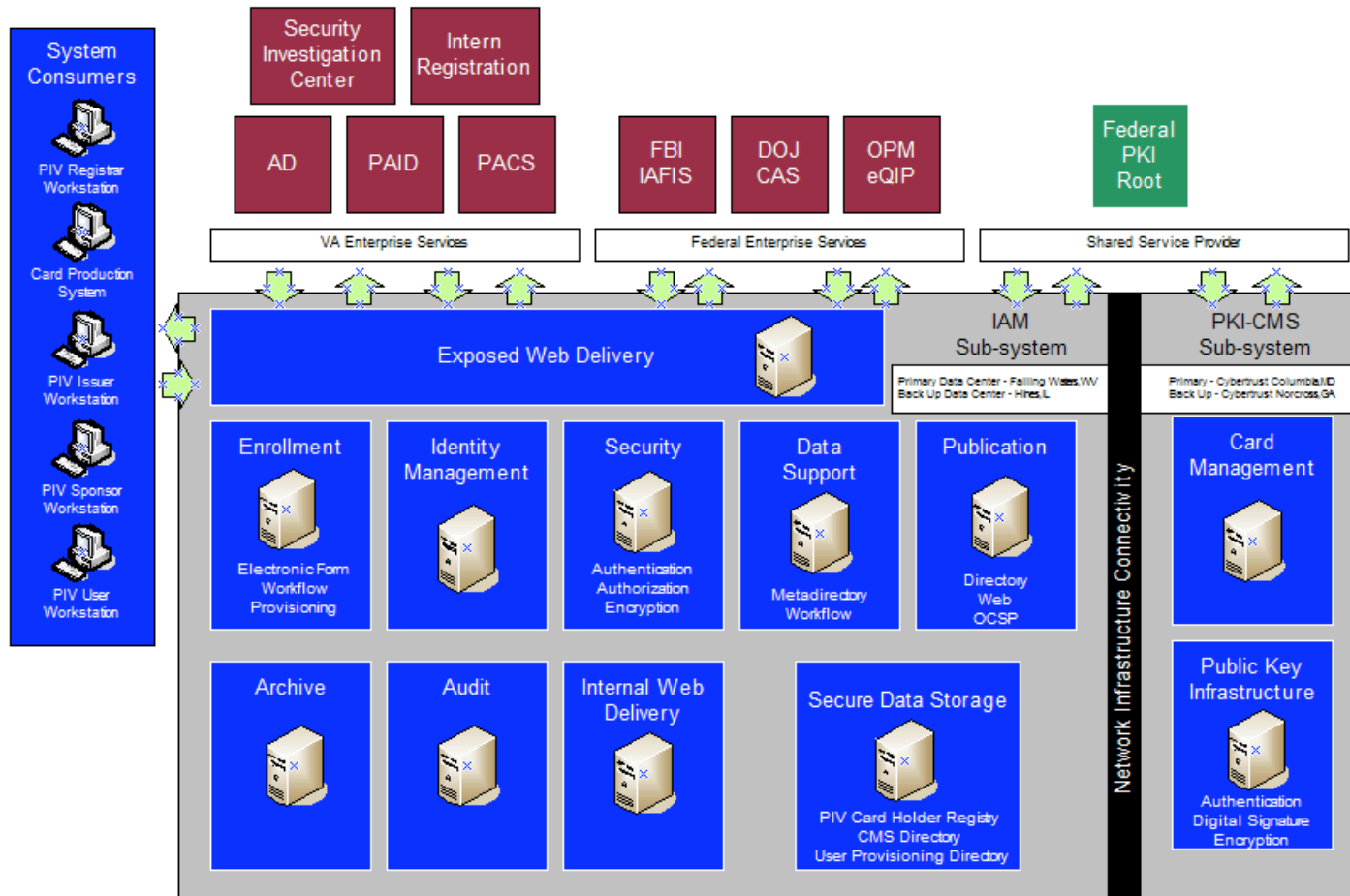
PIV 0.5 Objectives

- Interim FIPS-201 Compliance
 - Smart Cards
 - Authentication
 - Unique IDs
 - Digital Signature
 - Email encryption
- Disaster Recovery Capability



PIV Architecture - Version 2.0

September 2007



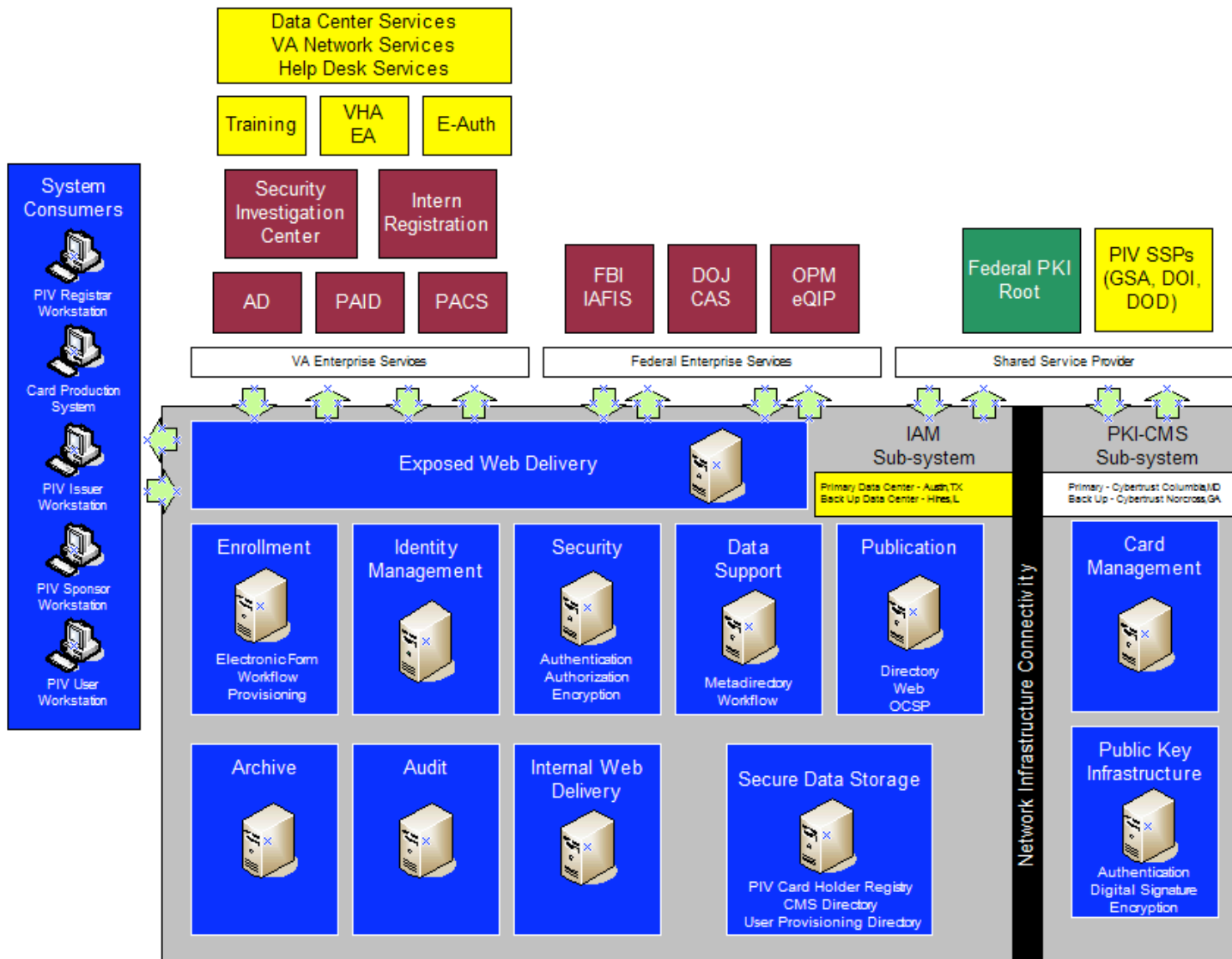
PIV 2.0 Objectives

- Full Compliance with FIPS 201
 - Smart Cards
 - Authentication
 - Unique IDs
 - Digital Signature
 - Email encryption
- Disaster Recovery Capability
- Help Desk
- Establish VA Interfaces
- Establish Federal Enterprise Interfaces



PIV Architecture – Version 3.0

Future Enterprise Integration



PIV 3.0 Objectives

- Integrate into VA Enterprise Architecture
- Establish SSO with additional enterprise applications
- Link authoritative data sources using IAM backbone
- Establish interoperability with other Shared Service Providers
- Add 3rd Data Center leg for load-balancing across CONUS
- Integrate VA PIV with GSA MSO and Federal peers