

VA PKI

VA's Public Key Infrastructure

Where is it, and Where is it Going?



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Department of Veterans Affairs

VA PKI Issues

- What is VA PKI?**
- How has it been implemented in VA?**
- What is GSA's ACES Contract?**
- Is VA Using ACES?**
- What is the difference between VA PKI and ACES?**
- What is next for VA PKI?**
- Where is VA PKI and where is it going?**
- What has VA learned with VA PKI?**

What is VA PKI?

A Partnership Between:

- VA -- Management and Identity Proofing
- CygnaCom -- Consultation and Integration
- VeriSign -- Certificate Authority and Directory



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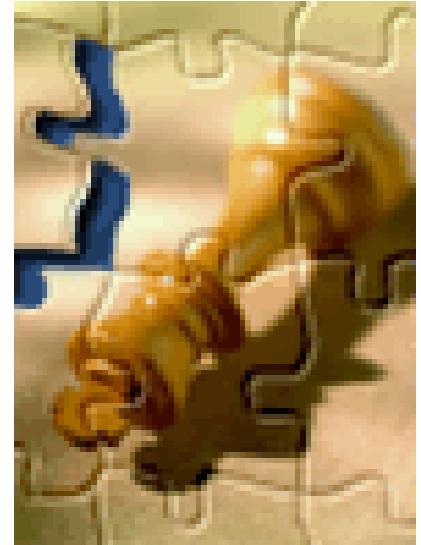
What is VA PKI?

User Certificates --

- Secure Electronic Mail
- Web-Based Applications
- Remote Access Services

Server Certificates --

- Server Authentication
- Encrypted Sessions



How has PKI been implemented in VA?

- **VeriSign On-Site Edition**
- **Centralized Registration Authority**
- **VeriSign Certificate Authority and Directory Services**
- **Cygnacom Help Desk**

How has PKI been implemented in VA?

- VA PKI Web Site - www.va.gov/vapki.htm**
- Secure Electronic Mail**
- Subscribers - VA Personnel and Business Partners**

What is GSA's ACES Contract?



- **ACES -- Access Certificates for Electronic Services**
- **Government-Wide PKI**
- **Used to Issue Certificates to the Public**
- **Reduces Costs by Aggregating Government Requirements**

What is GSA's ACES Contract?

ACES Industry Partners:

- **AT&T Corporation**
- **Digital Signature Trust Company**
- **Operational Research Consultants, Inc.**



Is VA Using ACES?

YES --

**100,000 ACES Certificates Awarded to
VA in July 2000 for use by:**

- VBA Education Service**
- One VA Smart Card Initiative**

What is the difference between VA PKI and ACES?

- Electronic Service Delivery for Veterans and Beneficiaries -- ACES**
- VA Employees and Business Partners -- VA PKI**
- Different costing models**

What is next for VA PKI?

- VeriSign Enterprise Edition Operational**
- VA PKI Policy**
- Local Registration Authority Proofing Model Established**

What is next for VA PKI?

- VA PKI Subscriber Database**
- Local Registration Authorities (LRA)**
- User and LRA Documentation**
- Monitor and Evaluate Evolving PKI Marketplace**

Where is VA PKI?

- Servers
- Client Workstations
- Secure Electronic Mail
- VeriSign Certificate Directory
- Centralized Registration



Where is VA PKI Going?

- **Web-Based Applications -- DEMPS**
- **Certificates in VA's E-mail Global Address List**
- **Distributed Proofing and Registration**
- **Supported by Departmental Policy**

What has VA Learned?

- **Get Executive Buy-In for Funding, Implementation, and USE**
- **Involve Systems Administrators from Conception Phase**
- **Develop Policy First**
- **Pilot Several Options**
- **Develop Methodical, Phased Implementation**
- **Target Two Applications -- E-mail and Legacy System**

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