

# **VA PKI**

## **VA's Public Key Infrastructure Evolution**



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**Department of Veterans Affairs**

# 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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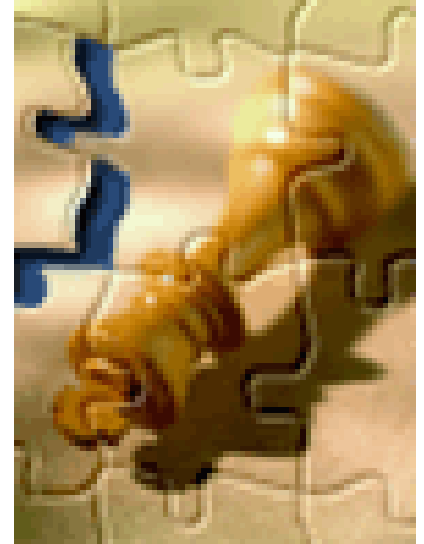
# What is VA PKI?

## 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 Enterprise Edition**
- **Moving Toward Decentralized Registration**
- **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](http://www.va.gov/vapki.htm)**
- Secure Electronic Mail**
- Subscribers - VA Personnel and Business Partners on Separate CA's**

# **How will VA use ACES with VAPKI?**

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

# **How has VA PKI Evolved?**

- VA PKI Subscriber Database**
- Single Key to Dual Key Pair**
- Escrow of Encryption Key**
- Roll-out Local Registration Authorities (LRA)**
- User and LRA Documentation**
- Monitor and Evaluate Evolving PKI Marketplace**

# Where is VA PKI Going?

- **Web-Based Applications – DEMPS, CoreFLS, HRLINK\$**
- **Certificates in Centralized Directory for Easy Access from E-mail**
- **Distributed Proofing and Registration**
- **Supported by Departmental Policy**



# **What has VA done right?**

- A Single, Centralized PKI Model**
- Centralized Funding**
- Early Start -- 1998**
- Involvement in Federal PKI Steering Committee**
- Embraced ACES**
- Policy and Documentation Improvement**
- Constant Review of PKI Marketplace**

# 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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