FISMA Automation in a Global Enterprise

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The many faces of Dirk

VA Demographics (July 2010)

Number of VA Employees in Pay Status:	**304,099**
Number of VA Hospitals:	**153**
Number of VA CBOCs:	**773**
Number of VA Vet Centers:	**260**
Number of VBA Regional Offices:	**57**
Number of VA National Cemeteries:	**131**
Number of FISMA systems	**664**

Early VA FISMA Challenges

- VA case study.
  - 2005 vs. 2007 with the introduction of IA^2.
  - Word and Excel pains.
- The importance of a centralized system.

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The Road Map

ASG's / NIST Risk Management Framework Methodology (RMF Steps / Pubs)

- **Step 1** (800-60 Volume 1& Volume 2)
- **Step 2** Security Control Selection (FIPS-199 / 800-53)
- **Step 3** Security Control Implementation (800-53)
- **Step 4** Control Assessment (800-53A)
- **Step 5** Authorization (800-37 / 800-18)
- **Step 6** Continuous Monitoring (800-37 / 800-39)

Staffing For The Entire Process

- **Which Phase**
  - Documentation
  - C&A / ST&E
  - POA&MS / Remediation
  - Continuous Monitoring

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System Documentation

What Makes a Complete Package?

- System Security Plan (800-18)
- Contingency Plan (800-34)
- Risk Assessment (800-30)
- Privacy Impact Assessment
- E-Authentication

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Keeping System Documentation Up To Date

- **What is the Pain?**
  - Multiple Versions of the Same Document.
  - Multiple People Updating the Documents.
  - Employee Turnover.
  - Enterprise View.
- Solutions…

Centralized (RMF) Repository

- Data Resides in One Location.
- Data is Updated Only Once and is Updated Organizationally Wide.
- Single Enterprise View of all Data.
- Complete Process Awareness.

Control Assessment

- **What is the Pain?**
  - Large Diverse Datasets
    - FDCC / SCAP Scans
    - Vulnerability Scans
    - Penetration Testing
    - Interviews
    - Site Examinations
  - TIME
  - How do you correlate all the data?

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Centralized (RMF) Repository

- TIME REDUCTION
- Import Diverse Datasets
- Correlate Diverse Datasets
- Ad-Hoc Queries
- Custom Reporting
- Enterprise Dashboard

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Continues Monitoring

- How to Handle 1/3rd of the Controls on a Yearly Base
- SCAP/Configuration Scanning
- POAM
- Leverage NOC/SOC Tool Set
- Tracking System Incidents
- CyberScope

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Questions

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