# Leveraging the National Vulnerability Database

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#### **VAO** Mission

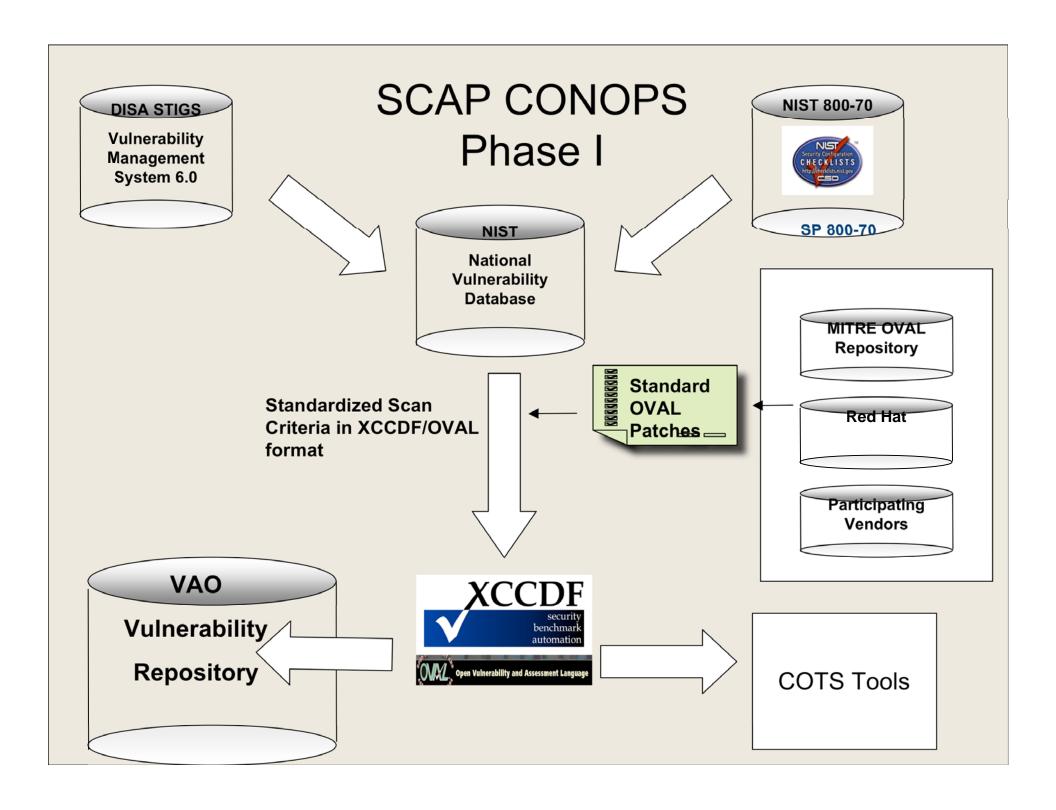
- ...identify, characterize, and put into operational context the vulnerability of the technology, information, and operations of the DoD and the national security community
- ...help the community identify countermeasures, and start the path to solutions

### **VAO Focus Areas**

- Increase the sharing of vulnerability information
- Increase analysis to make sense of vulnerabilities

### VAO Vulnerability Repository

- ...a consolidation point of existing external security policy guidance and security automation related standards. Specifically:
  - SCAP
    - NVD
    - CVE, CCE (maybe), CPE, CVSS, etc.,...
    - XCCDF/OVAL
  - Internal controlled NSA Security Guidance
  - Commercial Guidance
  - Data from Partners



# Backup Slides

# Security Content Automation Program (SCAP)

- Enables organizations to automate compliance, manage vulnerabilities and perform security measurement
- Content (XCCDF/OVAL) created under this program enable:
  - Vulnerability check to be mapped to high level compliance policies. These checklists automate all technical control compliance activities.
  - Organizations use the checklists to check for vulnerabilities (both mis-configurations and software flaws) and to measure their application security posture.
  - NIST recommends use of XCCDF/OVAL files to produce security control testing evidence within Federal Information Security Management Act (FISMA) compliance efforts.

### Security Content Automation Program (SCAP)

- Security Guidance
  - Product vendors (Microsoft and Vista)
  - DISA STIG & Platinum/Gold Disk
  - NSA Security Guides
  - NIST Special Publications
- XCCDF/OVAL content being created by:
  - Security Product vendors (Start-Ups)
    - Secure Elements, Threat Guard, others
    - NSA via MITRE. 3-4 month preliminary effort

# Security Content Automation Program (SCAP)

- NSA sponsored XCCDF/OVAL content
  - Creating DoD specific content based on guidance from DISA STIG, Gold Disk, and NSA Security Guides. Content for:
    - Windows XP, Windows 2003 Server, Oracle 10g, Apache & Red Hat Linux