

Securing Databases With an SCAP Compatible Toolset

Josh Shaul – Director, Systems Engineering Application Security, Inc.

Agenda

Corporate Background

The Database Security Challenge

SCAP for the Database

Corporate Background













- Database security software company
- Headquartered in NY
 - Offices: U.S., U.K., France and Belgium
- Industry-leading Database Security & Auditing solution
 - Most awarded database security solution on the market
 - Solution of choice for auditors and security consultants
 - Complete Database Security
 - Discovery, vulnerability assessment, activity monitoring, auditing
 - Common Criteria in process
- Industry-leading customer base
 - 900+ customers
- Top-tier investors and partners
 - Visa (financial), Paladin (national security).....
- Strategic Relationships:
 - Security Technology Vendors McAfee, ArcSight, etc.











Sample Government Customers













NATIONAL











U.S. Department of Education

U.S. General Services Administration













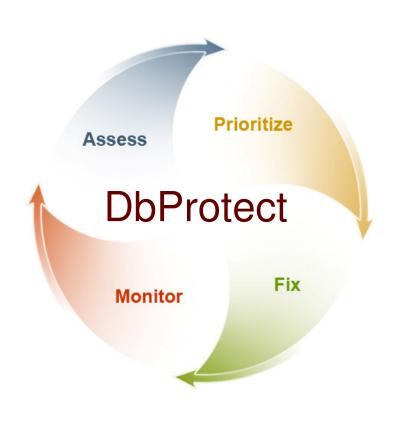








Database Security Best Practices



- 1. Discovery
- 2. Vulnerability assessment and prioritization
- 3. Remediation
- 4. Residual vulnerability mapping
- 5. Monitoring policy deployment
 - Patch-gap policies
 - Privileged user monitoring policies
 - User and behavior policies
- 6. Report customization and publishing
- 7. ASAP update scheduling and policy tuning
- 8. Integration: SIM/SEM etc.

SCAP Components – Database Readiness

- CVE: In good shape. Many database vulnerabilities listed, more being added.
- CPE: Looking good with v2, high-level database platforms are covered.
- CCE: Currently no elements defined for database configurations.
- CVSS: Ready. Oracle using CVSS today to score all new vulnerabilities.
- XCCDF: Open Framework, can be used to describe database scan policies.
- OVAL: Not ready to implement database checks yet

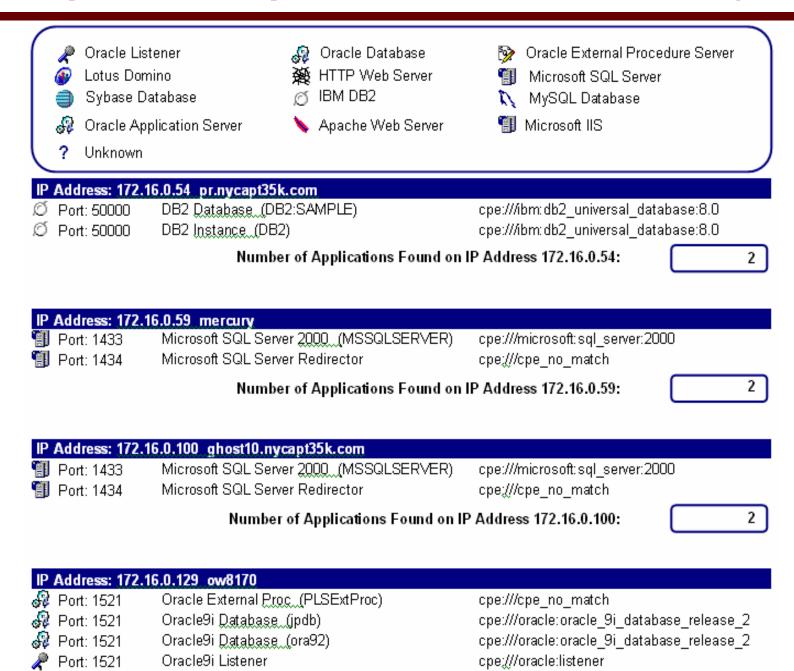


Application Security – Getting Involved

- Working to become SCAP compatible in 2007.
 - Focus on CVE, CPE, and CCE Infrastructure
 - Follow up with CVSS and XCCDF
- Driving SCAP to the database
 - Engaged with MITRE on entering new CVEs
 - Joined CCE WG
 - Examining implementing the first Database Scanning Policy in XCCDF
 - Working with Oracle and other database vendors to assign CVSS scores to new vulnerabilities



SCAP Report Example – Database Inventory Report





SCAP Report Example – Database Vulnerability Report

