

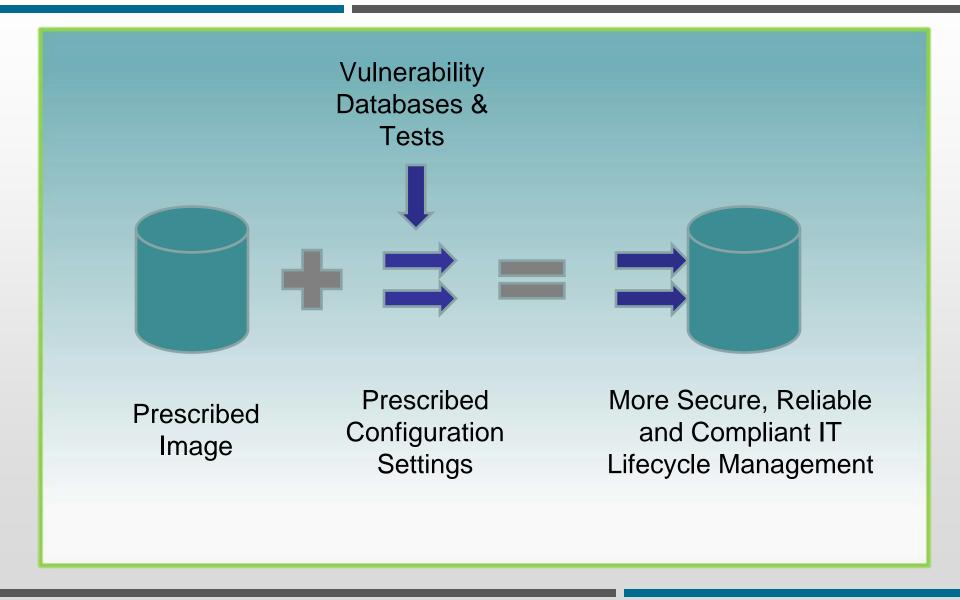
Enhancing SCAP: Whitelist-based Image Management

W. Wyatt Starnes
SignaCert, Inc. - Founder and CEO
ITSA Conference - October 2009

Enhancing SCAP:

Whitelist, Configuration and Vulnerability Management





Operation Compliance and Readiness: ****SignaCert******* Moving from compliance to continuous monitoring

Enhancing SCAP with Whitelisting A Leapfrog in Methods

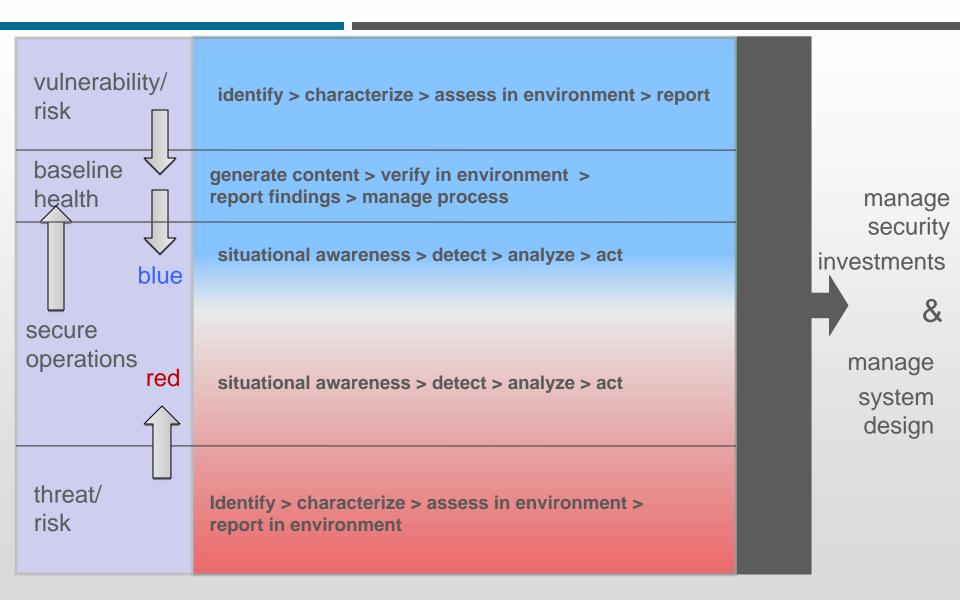
Vulnerability Linking and Testing

Configuration Linking and Testing

Known-Provenance
Whitelist
Reference Image
Linking and
Testing

Bringing it All Together

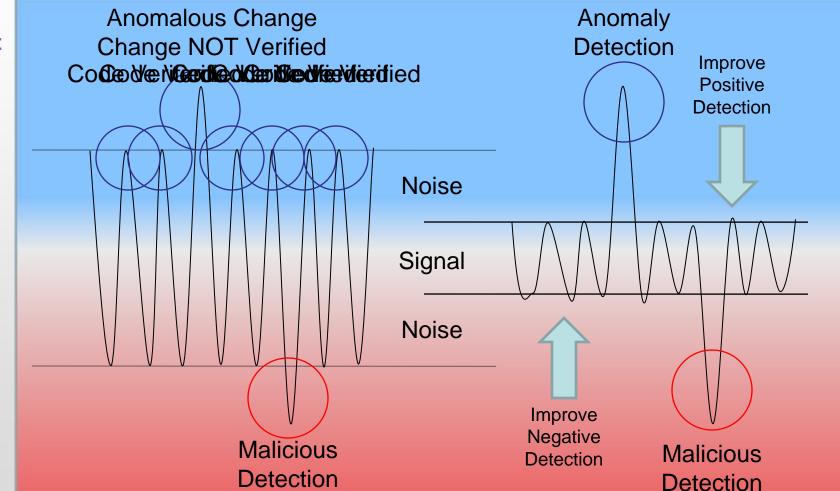




Closing the Blind Spot: Adding the Positive, Whitelist Attestation View



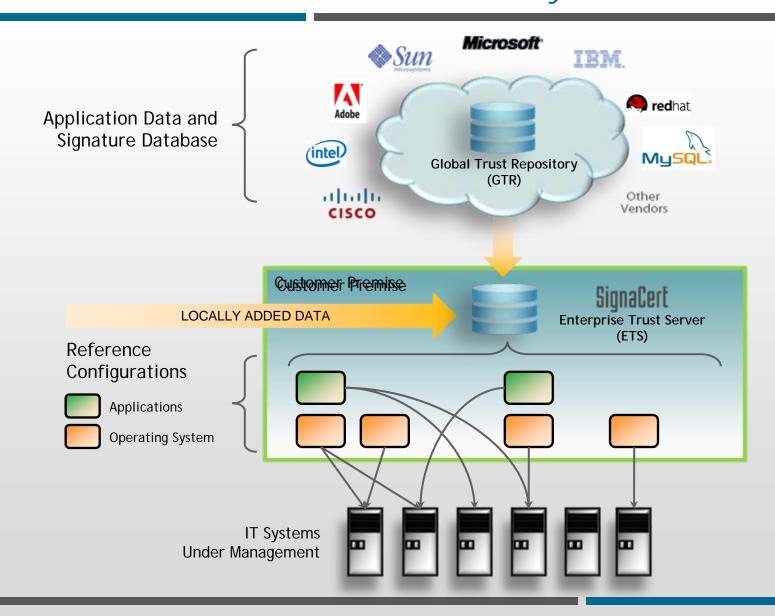
Whitelist View



Blacklist View

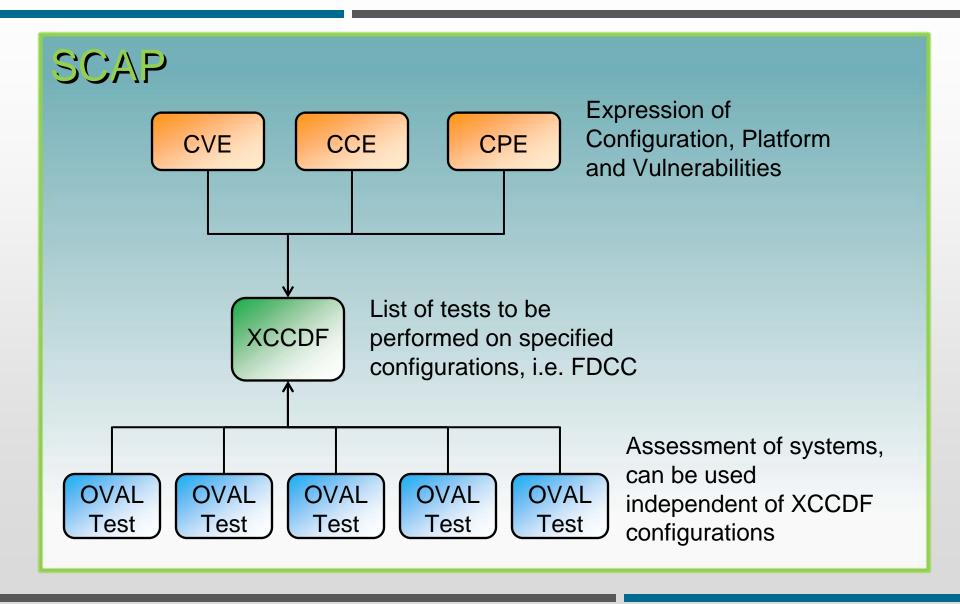
Enhanced SCAP: *An Architecture for Immediate Delivery*





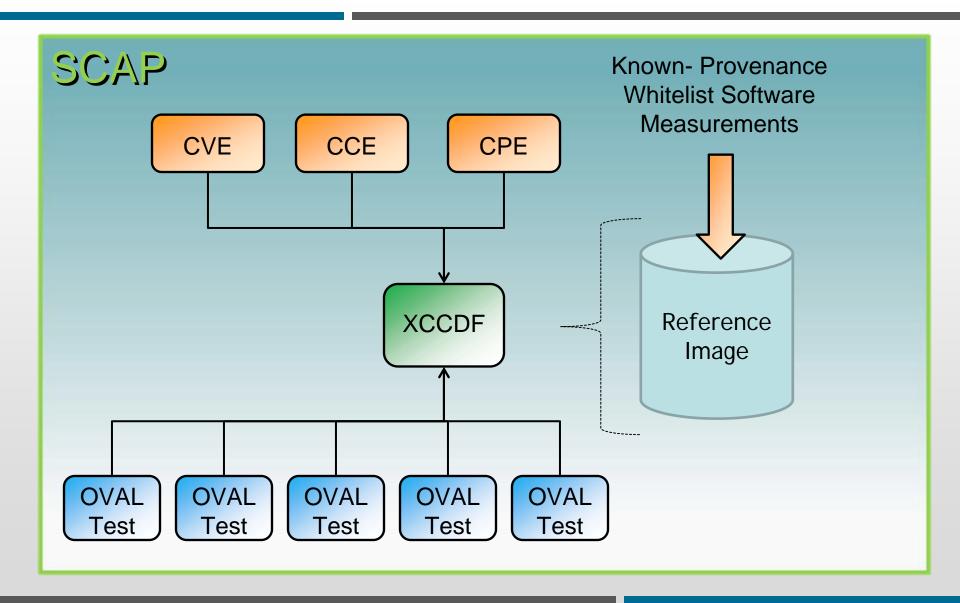
SCAP Today





Enhanced SCAP with Image Referencing

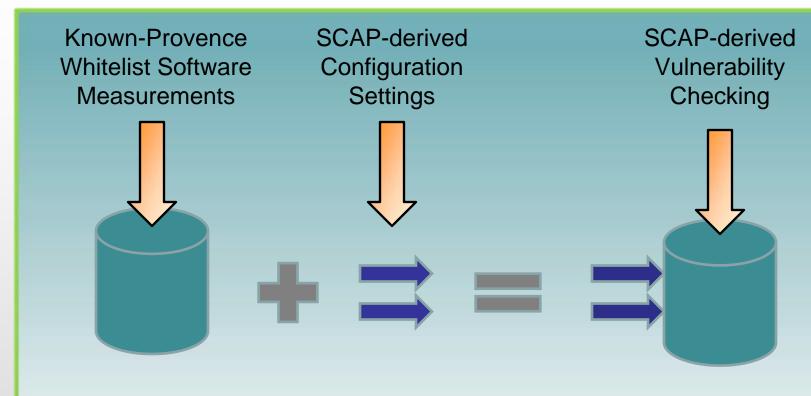




Total SCAP:

Whitelist, Configuration and Vulnerability Management





Preestablished Reference Image

Defined and Verified Configuration Settings

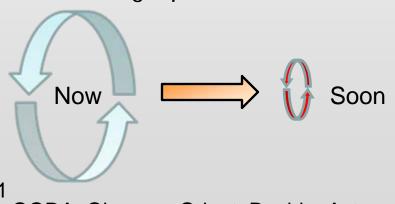
More Secure, Reliable and Compliant Continuous
Monitoring =
Operational Readiness

Moving from C&A to Continuous Monitoring: ::::SignaCert::::: Assuring Operational Readiness

- Certification and Accreditation
 - > Slow
 - Expense
 - Out-of-date before completion
 - Financial and human capital resource drain
 - > Results in:



- Continuous Monitoring
 - Faster OODA¹cycle (goal is near real time for critical systems)
 - Broader sensor view (whitelist plus blacklist)
 - Higher fidelity change detection improves availability and uptime while reducing OpEx



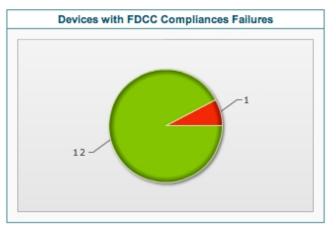
SCAP - FDCC Dashboard



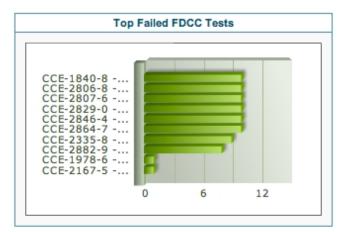
FDCC Compliance Dashboard

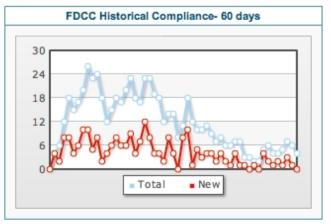
The dashboard displays thumbnails for the set of associated reports.

Date: Sep 21, 2009 9:36:06 AM



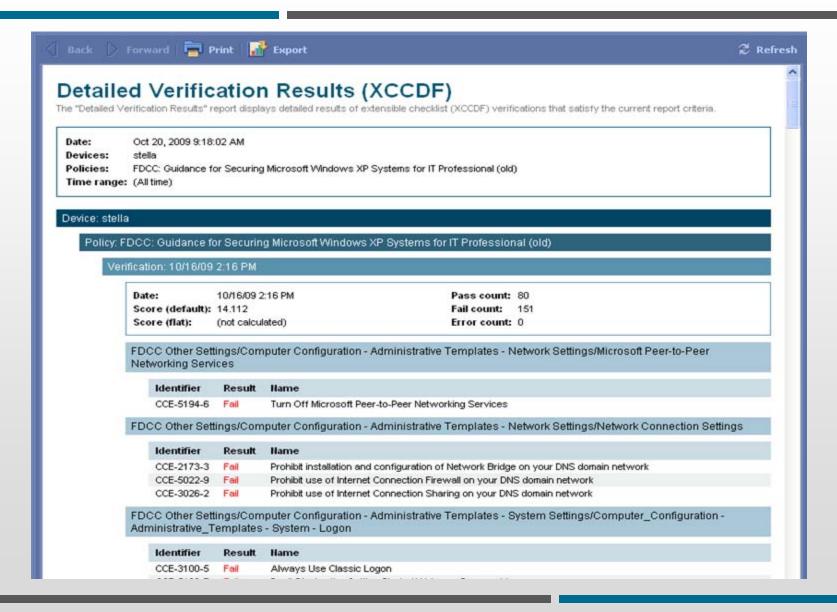






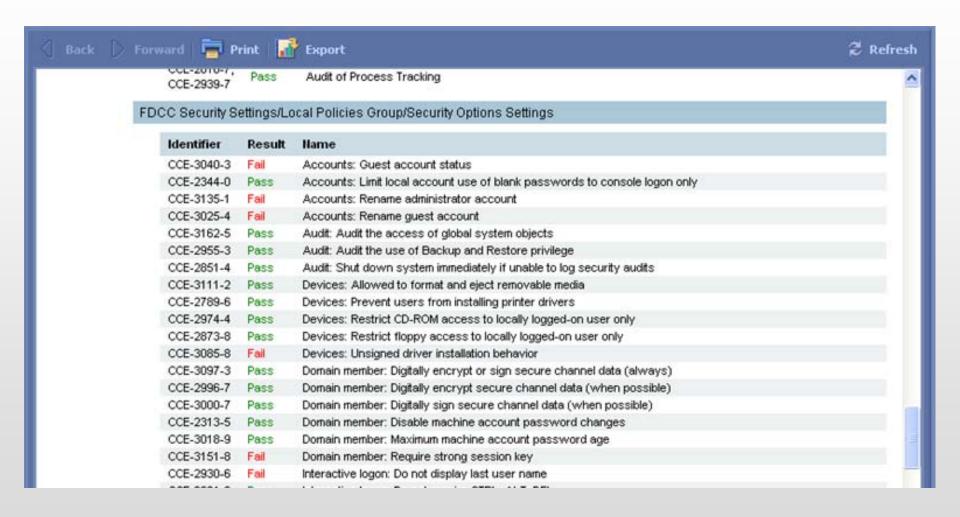
Detailed XCCDF Results for FDCC





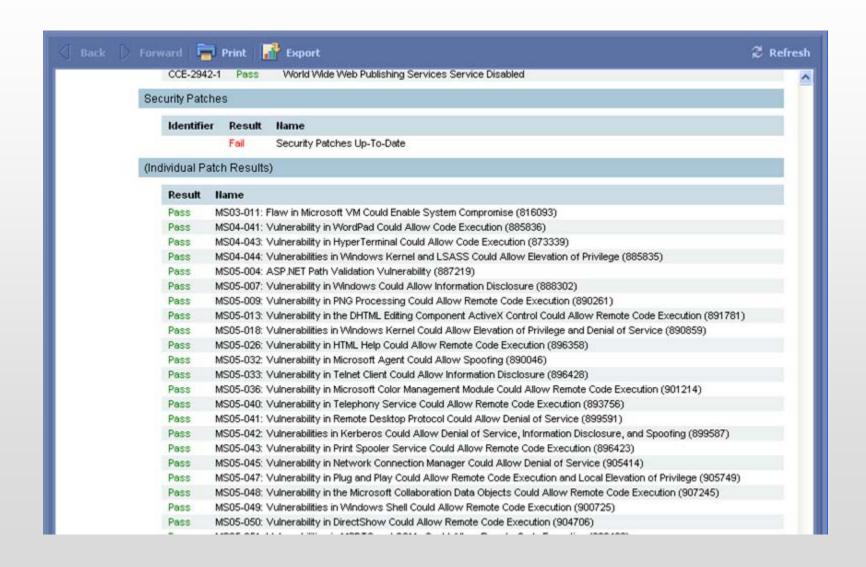
FDCC Cont. - Security Settings





FDCC Cont. - Patches





The Benefits of Enhanced SCAP Delivery



- One Operational SCAP platform to Define and Manage:
 - Domain-specific reference images
 - Prescribed Configuration Settings
 - Threat, Risk and Vulnerably Feeds (Active and Automated)
- Deploying Command and Control infrastructure to support:
 - Initial Device Build & Deployment
 - Ongoing IT Device System Maintenance
 - Closed-Loop IT Operational Lifecycle Management
- Dimensional reporting supports different mission objectives:
 - Security
 - Compliance
 - Improved Availability
 - Reduced Operational Cost
- ► Moving from C&A to Continuous Monitoring

SignaCert 3.6 Product Release



SCAP enabled product release

- > Native XCCDF and OVAL in and out
- All platform and device types supported
- Ability to support "live" threat and vulnerability feeds
- Ability to accept risk/vulnerability/thread intelligence and map precisely where that risk may exist in the domain (enabled by high-resolution image intelligence)
- ➤ Is an highly-scalable "Continuous Monitoring" solution designed from the ground up for data center operations

See us at booth ITSA Booth 125

SignaCert 3.6 Product Release



SCAP enabled product release - Continued

- No additional cost or "add-on modules" for FDCC auditing - included in the SignaCert ETS platform
- Known-provenance reference image management included standard as part of the FDCC offering allowing customers to cover the "blind spot" in image management
- Partner-friendly solution provides simplified integration with endpoint, enterprise management solutions and issue tracking/trouble ticket solutions

See us at booth ITSA Booth 125