



ISE[®] WEST EXECUTIVE FORUM

Speaker Showcase

Walmart

OneOps Security Framework

Luis Ocegueda

Security Engineer



Company Overview



- Retail store started in 1962 by Sam Walton
- Operating 11K stores under 65 banners in 28 countries
- Over 2 million employees, largest private employer worldwide
- 245 million customers per week
- Operates one of the largest private clouds
- 200K+ cores on Openstack, over 60K monthly deployments
- 80 million monthly visitors to walmart.com
- Contributor to over 60 open-source projects.



Presentation Overview

OneOps:

Cloud management and application lifecycle management platform.

- Provides rapid innovation with no barriers
- Provides continuous lifecycle management
- Delivers cloud portability
- Delivers control of cloud environments to developers and IT teams.

OneOps Security Framework:

Deliver security solutions via OneOps into the application lifecycle.

- Design: Multi-Tenant, Cloud Agnostic, Cloud Native, and open-source
- Model: Security DevOps
- Scope: Global, Mandatory and Conditional Implementation
- Analytics: Real-Time Reporting
- Paradigm: Modular Security, Security compliments OneOps



OneOps Security Framework

Capabilities:

- Vulnerability Management
 - Secure Images
 - Zero-Day Patches
 - Ad-Hoc Patches
- Configuration Management
 - Secure Images
- Application Security
 - Secure Configurations
- Compliance
 - PCI, SOX, PII, HIPAA, Corporate
- CI/CD Integrations

apply-security-compliance NEW

Configuration

Arguments

name	=	*
version	=	LATEST

Execution Flow

Step size 50 % 50% 100%

Stop on failure

Cancel Start

autocomply enabled

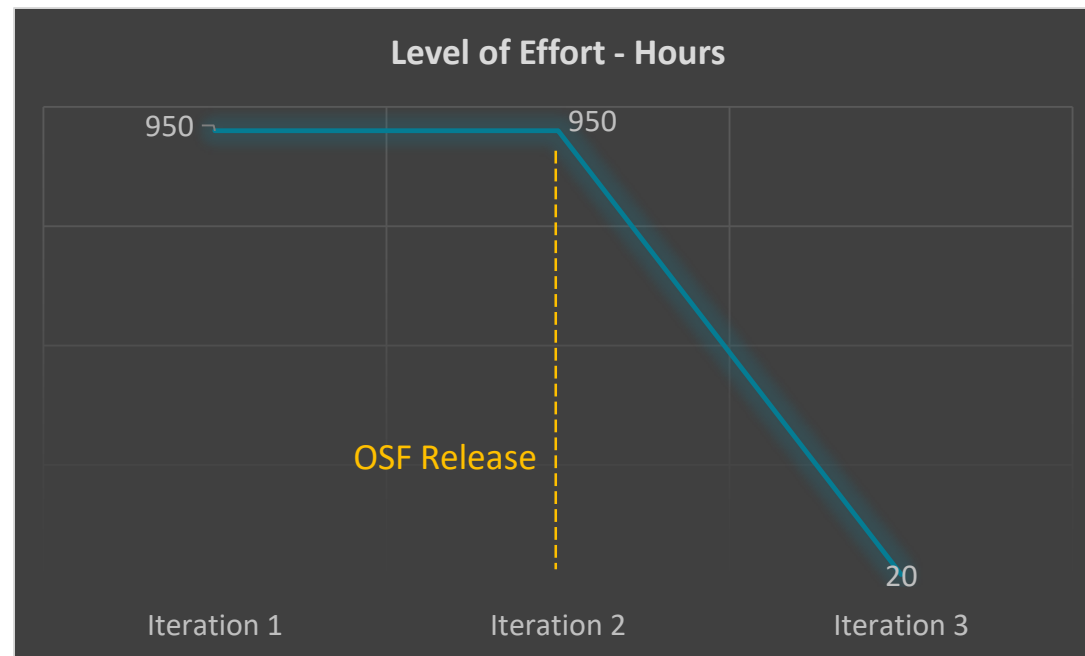
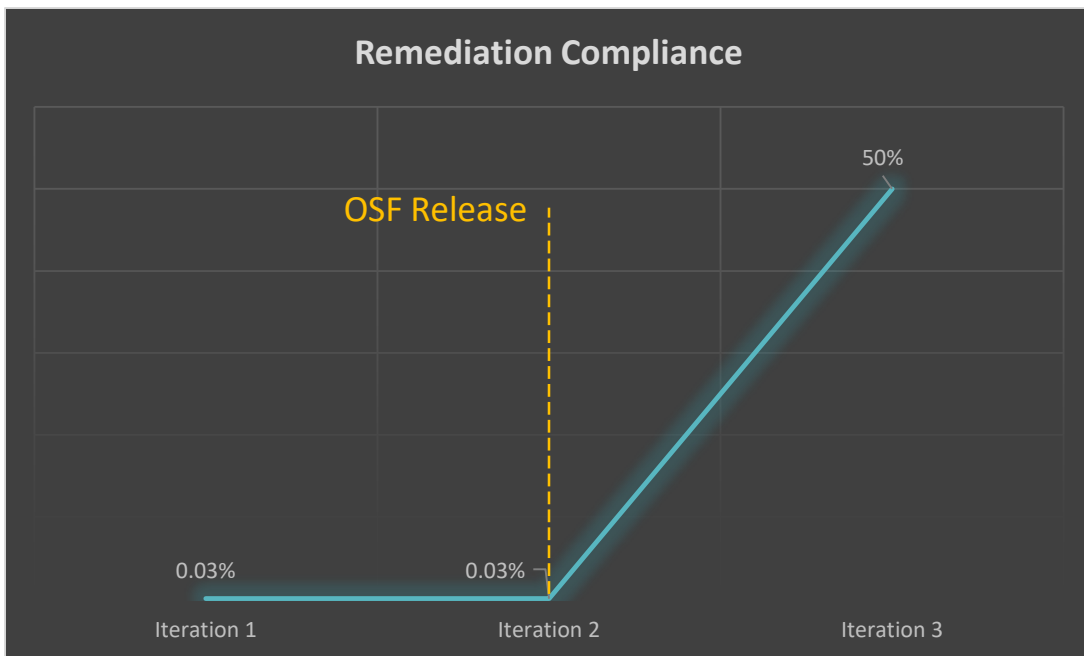
🕒 Autocomply **enabled** less than 5 seconds ago

📘 Security requirements **will be autom** deployment for instances in clouds

🔑 Disable autocomply



OneOps Security Framework





Lessons Learned/Best Practices

- **Build security natively into the platform:**
 - key to developer buy-in and quick adoption.
- **Enable the developer:**
 - *Improves enterprise security posture, increases* developer awareness.
- **Abstract Security:**
 - Leads to a rapid increase in secure deployments, decreased recidivism.
- **Continue to Evangelize Security:**
 - Training is still critically important.



Thank you and Questions

Questions?

Contact Info:

- Luis Ocegueda
- 650-808-7925
- locegueda@walmartlabs.com

