

VMware Security Best Practices

Chattanooga Information Security Professionals

Resources

vSphere 4.0 Security Hardening Guide (VMware)

<http://www.vmware.com/resources/techresources/10109>

“This set of documents provides guidance on how to securely deploy vSphere 4.0 in a production environment. The focus is on *initial configuration of the virtualization infrastructure layer...*”

PCI DSS Virtualization Guidelines (PCI Security Standards Council)

https://www.pcisecuritystandards.org/documents/Virtualization_InfoSupp_v2.pdf

Purpose: “The intent of this Information Supplement is to provide guidance on the use of virtualization in accordance with the Payment Card Industry Data Security Standard (PCI DSS).”

Security Configuration Benchmark For VMware ESX 4 (Center for Internet Security)

https://benchmarks.cisecurity.org/tools2/vm/CIS_VMware_ESX_Server_4_Benchmark_v1.0.0.pdf

Purpose: “This document, *Security Configuration Benchmark for VMware vSphere (ESX 4)*, provides prescriptive guidance for establishing a secure configuration posture for *VMware vSphere (ESX 4)* running on hardware compliant with the vendor compatibility guide...”

A Guide to Virtualization Hardening Guides (Dave Shackleford)

http://www.sans.org/reading_room/analysts_program/vmware-guide-may-2010.pdf

“...SANS created a guide to the guides that includes key configuration and system security settings for VMware ESX and vSphere/Virtual Infrastructure as detailed in the VMware vSphere, DISA and CIS guides. The intent is to help organizations steer themselves toward the guidance areas that make the most sense for their needs.”