

Virtualization Security from the Auditor Perspective

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S24 - Professional Strategies

Session Abstract

Virtualization is rapidly becoming a mainstream platform – there are now more virtual machines than physical ones. Most enterprises now trust virtualization enough to put mission critical applications into virtual machines, including the workloads in scope for the audit such as PCI, SOX HIPAA and others. Specific requirements and regulations are starting to emerge to address issues specific to virtualization, a notable examples in this category are PCI DSS 2.0 and Virtualization Security Checklist Mapping.

In this session we will look at the end to end protection and compliance for virtual infrastructure covering both platform controls such as identity and access management, infrastructure segmentation and audit logging as well as virtual machine / guest controls such as anti-virus, firewall and IDS / IPS.

Target Audience

The session targets security, audit and operational professionals who are involved defining and monitoring security and compliance controls for virtualization. The content requires general familiarity with the concepts of virtualization.

COBIT Objectives

PO2: Define the Information Architecture
PO4: Define the IT Processes, Organization and Relationships
PO9: Assess and Manage IT Risks
AI2 Acquire and Maintain Application Software
AI3 Acquire and Maintain Technology Infrastructure
AI4 Enable Operation and Use
DS4: Deliver and Support
DS5: Ensure Systems Security
DS9: Manage Service Desk and Incidents

Speaker Bio

Hemma Prafullchandra, CTO of HyTrust

Active participant in the PCI SSC Virtualization SIG, the Cloud Security Alliance, and a regular panelist on the Virtualization Security Roundtable podcasts. She has held key management and technical positions at FuGen Solutions, VeriSign, Sun Microsystems, Critical Path and The Wollongong Group.

Allan MacPhee, Senior Product Manager at Trend Micro

Allan MacPhee is a senior product manager at Trend Micro. He works closely with customers, prospects and partners to understand their requirements and to ensure the creation and delivery of market-driven products and solutions. Allan has over 20 years' experience in the software industry, with the last 12 years in product management roles at IT security companies like Watchfire, Entrust, and Third Brigade, where Allan was focused entirely on building and delivering best-of-breed security solutions to Fortune 1000 customers. Allan's latest areas of focus have been on PCI compliance, virtualization security and security solutions for Cloud environments. Allan has hosted numerous security workshops, customer advisory forums, technical seminars and webinars in North America and EMEA.

David Lu, Senior Global Product Manager Trend Micro Datacenter Security

David Lu is responsible for identifying customer security needs in enterprise datacenter environments especially in the area of virtualization security. He is also responsible for working with customers/partners to identify specific security requirements connecting to the Trend Micro security product portfolio. David Lu formerly served as product manager and development manager at Trend Micro for more than 12 years. He is experienced in the area of enterprise networking, gateway and groupware messaging systems and enterprise data compliance strategies.

David Lu has more than 12 years of industry experience specializing in IT operation and systems and is passionate about building enterprise class products. After work he enjoys high tech gadgets and operating machineries with excessive horsepower.

Rob Clyde CEO, Adaptive Computing, Former CTO Symantec

A recognized industry leader, Rob has over thirty years' experience as a security software executive with demonstrated leadership success at startup companies, small businesses, mid-size businesses, and large companies, including Symantec and Axent Technologies. An internet security pioneer and innovator, he is credited with the creation of the first commercial intrusion detection system and the first security policy compliance management system. He is a founding board member of both SAFEcode and the IT-ISAC. Rob is a Certified Information Security Manager (CISM) and also received the annual John Kuyers Best Speaker & Conference Contributor Annual Award from ISACA and the Joseph J. Wasserman Award from the ISACA NY Metro Chapter.