SecureSphere System Administration 12.0

Training Course

Overview

In this 2 day hands-on training course, students will learn:

- How to install and maintain SecureSphere system components including the Management Server, Gateway, and Agents.
- How ensure connectivity among SecureSphere components and commonly integrated network devices.
- How to perform initial SecureSphere administration and configuration tasks that align with an organization’s architecture and specific requirements or follow Imperva best practices.
- Common cross functional tasks such as object creation, policy creation, basic rule understanding, system alert interpretation, and report generation.
- Advanced techniques to externalize the information collected by all major SecureSphere product lines.

Who Should Attend

This course is intended for anyone who will need to configure and maintain SecureSphere, such as: database administrators, security team role(s), system administrators, Web application developers, and professional services using Imperva SecureSphere.

Prerequisites

Before taking this course, make sure you have the following skills:

- Working knowledge of Linux system administration and command line.
- Working knowledge Linux system configuration files, such as /etc/fstab or /etc/snmp/snmpd.conf, and the ability to edit them with the vi editor.
- General understanding of application layer security concepts, application layer Web, and/or database protocols.
- Experience implementing or managing data center security or database applications is recommended.

*SecureSphere System Administration* is a prerequisite to *Database Security and Compliance* and *Web Application Security* training courses.
Lesson Objectives

Introduction

• Become familiar with the presentation of the training materials.
• Learn to use the Imperva training portal to find supplemental course materials.
• Become familiar with the lab environment, topology, and user accounts.
• Become familiar with the SecureSphere Web UI’s major components and navigating the Web UI.
• Learn how to use SecureSphere’s Basic, Advanced, and Quick Filters in the Web UI.
• Become familiar with setting Criteria in Policies.

Lesson 1: SecureSphere Initial Configuration

• Explain the main components of SecureSphere Architecture and the Gateway modes.
• Configure SecureSphere as a Management Server.
• Configure SecureSphere as a Gateway.
• Use impcfg to configure a Gateway’s network interfaces to inspect traffic.
• Confirm basic network connectivity of the SecureSphere.
• Install the latest software patch on SecureSphere and confirm the installed software version.

Lesson 2: Initial Network Integration

• Enable ICMP on SecureSphere appliances.
• Enable and configure SNMP polling on SecureSphere appliances.
• Mount remote file storage in a SecureSphere appliance’s local file system.
• Configure an agent listener on a SecureSphere Gateway.
• Install SecureSphere Agents on protected servers.

Lesson 3: Initial SecureSphere Web UI Configuration

• Login to SecureSphere’s Web User Interface.
• Install a SecureSphere license file.
• Set password strength requirements.
• Enable users to enter comments when making changes to security policies.
• Create SecureSphere user accounts and roles.
• Configure Active Directory authentication.
• Update ADC content.
• Set Protect Mode thresholds.
• Create Gateway Groups.
• Create a Windows Domain object.

Lesson 4: SecureSphere Sites Tree Configuration

• Create a Site.
• Create a Server Group.
• Create a Service and default Application.
• Discover and secure previously unknown servers on the network.
• Add discovered servers to a Site.

Lesson 5: SecureSphere Actions
• Define, compare, and contrast Action Interfaces, Action Sets, and Followed Actions.
• Explain placeholders, and where to find complete details regarding them.
• Create Email, FTP, Syslog, etc., Action Interfaces as needed.
• Create Email, FTP, Syslog, etc., Action Sets as needed.
• Use Followed Actions to implement Action Sets on system administration jobs.

Lesson 6: System Monitoring and Maintenance
• Configure global System Event Notification parameters.
• Create System Event Policies.
• Identify System Events that may require specific policies or Followed Actions
• Determine appropriate Followed Actions to use with System Event Policies.
• Configure SecureSphere’s System Monitoring Alarms and Notifications.
• Configure SecureSphere Maintenance jobs.
• Describe how the Audit Archiving, Audit Purge, and Audit Purge Now jobs operate.

Lesson 7: System Reporting
• Describe the features of SecureSphere’s Report Settings.
• Describe how to work with report Keywords.
• Create System Event, Site, and Discovery Scan reports.
• Schedule Reports and the Reports Archive job.

Lesson 8: Performance Monitoring and Troubleshooting
• Use Gateway Performance Profiling to analyze and monitor Gateway CPU resources.
• Use gateway Performance Reports to view a Gateway’s resource usage.
• Backup and restore the MX configuration from the Web UI and from the command line.
• Describe processes to troubleshoot network traffic on the Gateway’s command line.
• Describe the process to generate Tech Info files from the Web UI and command line.
Getting Started

Delivery Options

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<tr>
<th>Open Classroom</th>
<th>Virtual Classroom</th>
<th>Private On-site</th>
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<tr>
<td>Instructor-Led, in person classes hosted at an Imperva training facility. Class includes:</td>
<td>Instructor-Led, in person classes hosted at an Imperva training facility. Class includes:</td>
<td>Instructor-Led, in person classes hosted at your facility for up to 15 participants. Class includes:</td>
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<td>➢ 4 hours of instructor office-hours each class day</td>
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Enroll

Visit Imperva Services Training web page to view upcoming classroom and instructor led online events and register today. If you do not have a Customer or Partner portal account, you may request one from our site. If you need assistance with the account request, contact support@imperva.com. Customers and partners can register for training using their Imperva Service Order number (SRV#) obtained from their Imperva sales representative or local Imperva partner, or buy training using a major credit card* from our training portal.

Purchase

Contact your local Imperva sales representative or contact your local Imperva partner for a price quote and to purchase training. If you do not have a sales contact, please call 1-866-926-4678, or complete our information form. *The purchase by credit card option is only available for purchasers in most select countries in North and South America.

Schedule

If you purchased onsite training and would like to schedule delivery, please call us at +1-972-887-5922 or email training@imperva.com

Please refer to Imperva Terms and Conditions when registering for classes for additional information.