

## 7.5 SecureSphere Web & Database Series

### Imperva Training

#### SecureSphere Administration Course Introduction

Imperva SecureSphere Administration (ADMIN) Training is a two-day, practical course featuring instruction and hands-on lab experience in a simulated IT environment. Students learn and practice how to implement the basic configuration of SecureSphere as preparation for advanced Web, Database, or File Server security & compliance training. Students will learn core features of the SecureSphere administrative tasks such as object creation, policy editing, basic rule understanding, basic security alert interpretation, basic audit analytic reviewing strategies, report generation and advanced techniques to externalize the information collected by all three major SecureSphere product lines.

#### Web Application Firewall Course Introduction

Imperva SecureSphere Web Application Firewall (WAF) Training is a two-day, practical course featuring instruction and hands-on lab experience in a simulated IT environment. Students learn and practice how to establish protection of their web applications using the industry leading SecureSphere WAF. Toward this goal, students will generate traffic on and perform attacks against lab servers to observe first-hand how SecureSphere learns and protects these resources.

#### DB Security & Compliance Course Introduction

Imperva SecureSphere DB Security & Compliance (DBsec) Training is a three-day, practical course featuring instruction and hands-on lab experience in a simulated IT environment. Students learn and practice how to establish monitoring and protection of their databases using the industry leading SecureSphere database solution suite. Toward this goal, students will perform data classification scans, run vulnerability assessments, and execute attacks against lab servers to observe first-hand how SecureSphere can be used to both protect and validate compliance for these critical database resources.

## SecureSphere Administration

- **Introduction, Design, Configuration of SecureSphere.**
- **Configuring: Core Policies, Notifications, Reporting & Administration Tasks.**

## Web Application Firewall Administration

- **Discovery**  
Students will learn how to use the discovery feature to confirm and configure accurate protection.
- **Web Dynamic Profiling**  
Dynamic Profiling allows SecureSphere to create an 'image' of actual usage. In this lesson the student will learn how profiling is accomplished and how SecureSphere can leverage this positive profile of the HTTP traffic into a format that allows it to thoroughly and intelligently protect your critical web applications.
- **Advanced Web Policies**  
In this lesson we take a much deeper look into the advanced policy options which make a Web Application Firewall a critical component to your data security efforts. Students will practice hands-on attacks in lab.
- **ThreatRadar**  
The ThreatRadar service lesson introduces students to the concept of Industrialized Hacking and how Imperva has teamed with security industry partners to protect you from automated but stealthy attacks.
- **External Integration with WAF**  
This advanced lesson dives into how to enrich alert content and also integrate with vulnerability scanners.
- **Tuning**  
All applications have unique elements designed to accomplish its purpose. For this reason, the default policies need to be adjusted to fit your environment in a process called tuning. Students will learn effective techniques to accomplish tuning to ensure optimal performance and security protection.

## Database Security and Compliance Administration

- **Discovery**  
Students will learn how to use Discovery to find and categorize assets with column-level of granularity.
- **Auditing and Audit Policies**  
In these lessons, network audit data is analyzed. Students will practice creating the targeted policies to maximize audit effectiveness and gateway performance in an effort to exceed all compliance objectives.
- **Agent-based Database Auditing**  
Participants will learn how to install and configure agent software local on the various supported database hosts to close the auditing gaps of a network-only auditing solution.
- **Managing Audit Data**  
In this lesson the instructor focuses on the best practices to effectively manage large volumes of audit data.
- **Vulnerability Assessment and Risk Mitigation**  
Students will be taught how to choose, build, and schedule periodic database assessment tests. They will then review the scanning results and take mitigation action in the context of prioritized risk management.
- **Database Profiling**  
Dynamic Profiling allows SecureSphere to create an 'image' of actual usage. Students learn how profiling works and how to leverage this positive profile of the SQL User behaviors to intelligently protect a database.
- **Advanced Database Security Policies**  
In this lesson we take a much deeper look into the advanced targeted policy options which make the Database Firewall solution a safe and effective component of your data security efforts.
- **Database Audit Enrichment**  
This lesson explores external enrichment of audit data to add business operational scope to audit records.
- **Tuning**  
Students will learn effective techniques to ensure optimal performance, monitoring, and security protection.
- **User Rights Management**  
The instructor demonstrates the advantages of using an advanced enterprise tool to manage DB user rights.
- **UUT**  
This lesson discusses how Web/Database correlation can enrich DB auditing with Universal User Tracking.