

SecureSphere Database Security and Compliance

Imperva Training

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Imperva uses a classroom format for instructor-led training. Our training classes focus on the practical real-world skills your team needs to properly configure, protect, and maintain the industry leading Data Protection Suite -- SecureSphere.

Classes are hosted regularly via Imperva's global classrooms. Imperva's hosted classes are a perfect fit for organizations looking for a few student seats within a larger class. This environment fosters an exchange of ideas and questions with other organizations spanning a broad array of security initiatives. As an alternative, Imperva offers onsite training tailored to your Imperva solution which can be taught at your facility. This option is ideal for organizations looking to train several employees as SecureSphere administrators and operators.

DB Security & Compliance Course Introduction

Imperva SecureSphere DB Security & Compliance Training is a five-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.

The course is split into two sections: *SecureSphere Administration* and *Database Security & Compliance Administration*. SecureSphere Administration is delivered during the first two days of class and focuses on the core knowledge required for day-to-day administration of any SecureSphere deployment. The Database Security and Compliance section builds on the Admin foundation for 3 additional days of in-depth training on the Database Suite functionality.

Imperva Instructors

At Imperva, we consider quality instruction to be a critical component of a successful security solution deployment. Toward that goal, each of our highly trained and experienced instructors brings a wealth of practical knowledge to the classroom. All Imperva instructors are members of the Imperva Professional Services department. As such, they are part-time trainers, part-time implementers, and part-time consultants. We believe this qualifies our instructors as the undisputed full-time SecureSphere experts.

SecureSphere Administration

- **Introduction to SecureSphere**
This is a brief introduction to Imperva's vision and its solutions for data security and compliance.
- **Modeling the Protected Datacenter**
This lesson introduces students to the theory of a SecureSphere architecture and network deployment.
- **Configuration**
The instructor elaborates on design considerations and detailed GUI configuration steps.
- **Introduction to Policies**
Students are introduced to foundational concepts and the numerous uses and types of policies.
- **Archiving and Notification Actions**
Students learn how to externalize information from SecureSphere into formats such as email and SYSLOG.
- **Alerts and Monitoring**
Students will learn to use tools such as the Monitor Dashboard, Alerts, Violations and the System Event log.
- **Reporting**
Participants will learn and practice creating custom reports in order to meet compliance requirements.
- **Administration**
The administration lesson closes out the Admin training section by teaching students to configure administrative functions including: administrator auth and access, backups, and scheduled automation.

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.

3400 Bridge Parkway
Redwood Shores, CA 94065
Tel: +1-650-345-9000 Fax: +1-650-345-9004