

## DSC

### Database Security and Compliance Version 13.0

#### Overview

In this 4 day hands-on course, students will learn:

- The key features and benefits of having Imperva's Database Security Solution (DBS) in your environment
- How DBS operates and basic functionality
- Hands-on navigation of the DBS Web User interface
- How to evaluate your readiness for a DBS deployment
- How to complete standard database configuration tasks
- How to run DB Database Classification scans
- How to create a Database Security policy
- How to create database profiles and audit the database
- How to troubleshoot basic DBS implementation and configuration issue

#### Course Length

4 days

#### Who Should Attend

This course is intended for database administrators, security administrators, security engineers responsible for configuring, securing and monitoring their database applications with Imperva Database Security and Compliance.

#### Prerequisites

Before taking this course, you should have the following skills:

- General understanding of application layer security concepts, application layer Web, and/or database protocols.
- Experience implementing or managing data center security or database applications.
- Imperva Security Administration is recommended

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## Lesson Objectives

### Lesson 1: Course Introduction

- Become familiar with the presentation of the training materials
- Learn to use the Imperva training portal to find supplemental course materials

### Lesson 2: Imperva Database Security Introduction

- Relate the purpose of DBS and how it functions
- Recognize DBS components and various implementation network architectures
- Describe how data flows and is handled by DBS
- List the software and hardware requirements of DBS
- Relate key features of DBS and their benefits

### Lesson 3: DBS Web UI Navigation

- Log into your lab environment and start VMs
- Relate the lab topology and purpose of each component
- Login to the Imperva DBS Web UI
- Navigate the various Imperva DBSUI workspaces and explain the purpose
- Create a Service and default Application
- Discover and secure previously unknown servers on the network
- Add discovered servers to a Site

### Lesson 4: Initial DBS Security Configuration

- Explain Site Tree navigation and hierarchy
- Validate Site Tree configuration and objects
- Navigate the Agent Workbench and configuration views
- Configure a Default DB connection
- Test the Default DB connection

### Lesson 5: Database Data Classification Scans

- Explain the need for Data Classification scans

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- Relate how sensitive data is found and classified
- Create a Scan Profile
- Create and run a Data Classification scan

#### Lesson 6: Database Security Policies

- Describe the purpose a security policy
- Locate and identify pre-defined and default security policies
- Identify various security policy types
- Deconstruct security policies and explain how they function
- Modify security policies

#### Lesson 7: Database Profiling

- Describe the purpose of a database profile and an application's profile policy
- Explain dynamic profiling
- Specify the various profile modes
- Create a User Group profile

#### Lesson 8: Database Auditing


- Describe the purpose of Auditing and how it is used
- Work with Audit views and filters
- Identify components of Audit policies
- Create and Audit Policy
- Analyze Audit Data
- Create an Audit Report

#### Lesson 9: Troubleshooting

- Follow instructions on how to gather data for escalation to Imperva support organization
- Relate the methodology for troubleshooting Imperva products
- Complete troubleshooting scenarios

#### Lesson 10: Capstone Lab Exercise

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The Capstone Exercise challenges students to perform a series of tasks designed to help students reinforce learning by recalling and applying the concepts and skills presented during the class.

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