



Cisco Data Center Analytics with Tetration Test Drive™ — Security and Policy Enforcement

TA-TD-SEC

Length: 1 Day

Format: Lecture/Lab

Course Description

Cisco's Tetration platform provides customers with key insights into their Data Center security.

With real-time 24x7 visibility into application traffic, Tetration can address critical issues with application security policy enforcement and deviation detection, and provides powerful proactive forensics tools for applying microsegmentation, assessing potential security vulnerabilities, and detecting breaches.

This Firefly Test Drive examines Tetration from the perspective of key security use-cases, focused on application policy enforcement and deviation detection.

You will gain hands-on experience with some of Tetration's key capabilities, covering topics such as real-time security forensics, application policy enforcement, and policy simulation and deviation detection.

Prerequisites

You will gain the most from this seminar if you have strong knowledge of application security practices and architectures.

Who Should Attend

This course is designed for Security architects and operations teams who are responsible for evaluating Tetration for their organization. Cloud or application infrastructure architects who have a security focus will also benefit from this course.

Learning Objectives

- Outline the key visibility challenges many IT organizations face with their applications
- Describe the key use cases and high level architecture of the Cisco Tetration platform
- Explain the key capabilities enabled by Tetration's 24x7 data collection and real-time analytics
- Describe how you can implement microsegmentation and zero-trust security with Tetration



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Lessons

Lesson 1: Why Tetration?

- The Need for Real-Time Security Visibility
- A Zero-Trust Approach
- Micro-Segmentation First Steps

Lesson 2: Tetration Overview

- Tetration Use Cases
- Tetration Architecture
- Tetration App Store

Lesson 3: Collecting and Organizing Actionable Data

- Searching and Filtering
- Real-Time Inventory Tracking
- Understanding Application Behaviors
- Dynamic Security Policy Enforcement
- Detecting Application Policy Deviations

Lesson 4: Use Case Examples

- Implementing Micro-Segmentation
- Implementing a Zero-Trust Model
- Generating Whitelists

Labs

- Lab 1: Searching with Tags and Strings
- Lab 2: Application Dependency Mapping
- Lab 3: Segmentation and Enforcement
- Lab 4: Policy Deviation Detection
- Lab 5: Neighborhood Graphs

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