



Cisco Data Center Analytics with Tetration Test Drive™ — Network Visibility and Operations

TA-TD-NW

Length: 1 Day

Format: Lecture/Lab

Course Description

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

With real-time 24x7 visibility into application traffic, Tetration can address critical issues with application traffic visibility, security, and compliance, and provides powerful new diagnostic and forensics tools.

This Firefly Test Drive™ examines Tetration from the perspective of key use-cases, focused on network operations and policy enforcement.

You will gain hands-on experience with some of Tetration's key capabilities, covering topics such as using Tetration's real-time searching and filtering to diagnose network performance and downtime problems, application dependency mapping to prepare for Data Center or Cloud migrations, and policy simulation and deviation detection.

Prerequisites

You will gain the most from this seminar if you have a strong background in Data Center networking and some security expertise.

Who Should Attend

This course is designed for network engineers, IT Operations teams, and cloud or application infrastructure architects who are responsible for evaluating Tetration for their organization.

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 Tetration can simplify and reduce risk in Data Center and Cloud migrations, enable a transformative shift to a policy-driven networking model with Cisco ACI, and secure your Data Center environments with Tetration



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Lessons

Lesson 1: Why Tetration?

- The Need for Real-Time Network Visibility
- Application Downtime and Performance
- 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
- Understanding Application Behaviors
- Policy Enforcement & Deviation Detection

Lesson 4: Use Case Examples

- Data Center and Cloud Migrations
- Implementing Application-Centric Network Infrastructure
- Implementing Micro-Segmentation

Labs

Lab 1: Sensor Deployment and Platform Management

Lab 2: Searching with Tags and Strings

Lab 3: Application Dependency Mapping

Lab 4: Policy Deviation Detection

Lab 5: Neighborhood Graphs

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