

# **Introduction to Cisco Tetration Analytics™ Operations and Administration v1.0 (TETOPS)**

**Modality:** Virtual Classroom

**Duration:** 2 Days

**CLC:** 25 Units

## **About this course:**

The *TETOPS - Introduction to Cisco Tetration Analytics Operations and Administration* course will familiarize and help you understand how the Cisco Tetration Analytics platform enables efficient data center operations by providing pervasive visibility, behavior-based application insight, and migration to a zero-trust model.

## **Course Objective:**

- Enables pervasive visibility of traffic across data center infrastructure
- Use long term data retention for forensics and analysis
- Create communication and dependencies for all applications within the data center
- Empower companies to create whitelist policy models
- Identify behavior deviation in real time
- Perform forensics operations

## **Audience:**

- Channel Partners
- Systems Architects
- Network Architects
- Network Engineers
- Systems Engineers
- Administrators

## **Prerequisite:**

- Familiarity with data center technologies
- Familiarity with network operation
- Understanding of basic network security

## **Course Outline:**

### **Module 1: Tetration Overview**

Defining and Positioning Cisco Tetration Analytics  
Telemetry  
Platform

Intent-Based Policy  
Machine Learning  
Network Performance Monitoring and other Use Cases

## **Module 2: Tetration Components**

Architecture  
Data Collection  
Sensors and Agents  
Flow Collectors  
Analytics Engine  
Open Access

## **Module 3: Operational Concepts**

Scopes  
Tenants  
RBAC  
Annotations

## **Module 4: Tetration Setup and Deployment Models**

On Premise Options  
SaaS  
Tetration-V  
Installation Procedure  
Creating Scopes, Roles, and Users  
Deploy Hardware Sensors  
Deploy NetFlow Sensors  
Deploy ERSPAN Sensors

## **Module 5: Software Agents**

Software Agents Overview  
Software Agents Features  
Software Agents Configuration

## **Module 6: Application Dependency Mapping**

Why ADM?  
Tetration Application Insight  
ADM Process  
ADM Run Results

## **Module 7: Cisco Tetration Analytics Policy Enforcement Overview**

## **Module 8: Cisco Tetration Flow Search**

Results Filtered by Scope  
Searching with Conjunctions  
Flow Explore Integrated  
User Annotations

## **Module 9: Tetration Policy Analysis**

Enable Policy Analysis  
Live Policy Analysis  
Backdated Policy Experiments  
Quick Policy Analysis

## **Module 10: Tetration Apps and API**

App Store  
User Apps  
Visualize Data Sources  
Bring your own Data  
OpenAPI

## **Module 11: Tetration Ecosystem**

Platform Integrations  
ADCs  
FW Management Tools  
Phantom  
InfoBlox  
ServiceNow  
Splunk  
Turbonomic  
Veeam  
Corvil and Extra Hop