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**Learning Style: Virtual Classroom**

**Provider: Cisco**

**Difficulty: Beginner**

**Course Duration: 2 Days**

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

### **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

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