QUICKSTART

Over 35 Years Of Technology Training

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Learning Style: Virtual Classroom

Technology: 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