DCITET (IMPLEMENTING CISCO TETRATION ANALYTICS) 1.0

Objetivo

After taking this course, you should be able to: â□¢ Define the Cisco telemetry and analytics approach. Explore common scenarios that Cisco Tetration Analytics can solve. â□¢ Describe how the Cisco Tetration Analytics platform collects telemetry and other context information; â□¢ Discuss how relative agents are installed and configured; â□¢ Explore the operational aspects of the Cisco Tetration Analytics platform; â□¢ Describe the Cisco Tetration Analytics support for application visibility or application insight based on the Application Dependency Mapping (ADM) feature; â□¢ List the concepts of the intent-based declarative network management automation model; â□¢ Describe the Cisco Tetration policy enforcement pipeline, components, functions, and implementation of application policy; â□¢ Describe how to use Cisco Tetration Analytics for workload protection in order to provide a secure infrastructure for business-critical applications and data; â□¢ Describe Cisco Tetration Analytics platform use cases in the modern heterogeneous, multicloud data center; â□¢ List the options for the Cisco Tetration Analytics platform enhancements; â□¢ Explain how to perform the Cisco Tetration Analytics administration.

PÃºblico Alvo

Professionals interested in knowing and implementing solutions using the Cisco Tetration Analytics.

PrÃ©-Requisitos

To fully benefit from this course, you should have the following knowledge and skills: â□¢ Knowledge of cloud and (virtual) data center architecture or cloud basic networking concepts; â□¢ Familiarity with Cisco basic networking security concepts and application security concepts; â□¢ Familiarity with basic Cisco telemetry protocols and Big Data analytics; â□¢ Familiarity with basic Cisco data analytics pipelines, intelligent algorithms, tools, and concepts.

Carga HorÃiria

24 horas (3 dias).

ConteÃºdo ProgramÃitico

Course Introduction
Course Outline
Course Objectives & Goals

Exploring Cisco Tetration
Data Center Challenges
Define and Position Cisco Tetration

Cisco Tetration Features
Cisco Tetration Architecture
Cisco Tetration Deployment Models
Cisco Tetration GUI Overview

Implementing and Operating Cisco Tetration
Explore Data Collection
Install the Software Agent
Install the Hardware Agent
Import Context Data
Describe Cisco Tetration Operational Concepts

Examining Cisco Tetration ADM and Application Insight
Describe Cisco Tetration Application Insight
Perform ADM
Interpret ADM Results Application Visibility

Examining Cisco Tetration Intent-Based Networking
Describe Intent-Based Policy
Examine Policy Features
Implement Policies

Enforcing Tetration Policy Pipeline and Compliance
Examine Policy Enforcement
Implement Application Policy
Examine Policy Compliance Verification and Simulation

Examining Tetration Security Use Cases
Examine Workload Security
Attack Prevention
Attack Detection
Attack Remediation

Examining IT Operations Use Cases
Key Features and IT Operations Use Cases
Performing Operations in Neighborhood App-based Use Cases

Examining Platform Enhancement Use Cases
Integrations and Advanced Features
Third-party Integration Examples
Explore Data Platform Capabilities

Exploring Cisco Tetration Analytics Administration
Examine User Authentication and Authorization
Examine Cluster Management
Configure Alerts and Syslog

Lab outline

Lab 1: Cisco Tetration GUI Familiarization
Lab 2: Software Installation
Lab 3: Importing Context Data
Lab 4: Scopes
Lab 5: Application Dependency Mapping with Agents
Lab 6: Implementing Policy
Lab 7: Policy Enforcement and Compliance
Lab 8: Workload Security
Lab 9: IT Operations
Lab 10: Administration