ENTEIT - IMPLEMENTING AND TROUBLESHOOTING NETWORKS USING CISCO THOUSANDEYES V1.1

Course Code: 860023

The **Implementing and Troubleshooting Networks Using Cisco ThousandEyes (ENTEIT) v1.1** course is designed to familiarize you with Cisco ThousandEyes through both lectures and hands-on experience.

The Implementing and Troubleshooting Networks Using Cisco ThousandEyes (ENTEIT) training is designed to introduce you to and get you familiar with Cisco ThousandEyes. The focus of this training is implementation and configuration of the Cisco ThousandEyes solution. This training provides hands-on experience with installing and configuring Cisco ThousandEyes agents with different test types. This solution is also used to perform root cause analysis when troubleshooting.

After taking this course, you should be able to:

- Describe and define Cisco ThousandEyes
- Integrate, implement, and deploy Cisco ThousandEyes solutions
- Configure Cisco ThousandEyes agents
- Perform root cause analysis when troubleshooting
- Customize dashboard and reports
- Monitor solutions
- Administer the system

This training also earns you 24 Continuing Education (CE) credits toward recertification.

What You'll Learn

Upon successful completion of this course, you should be able to:

- Introduce Cisco ThousandEyes
- Describe different Enterprise Agent deployment options, requirements, and procedures for agent deployment
- Describe different ThousandEyes test types
- Compare ThousandEyes web layer tests
- Describe, deploy, and configure an Endpoint Agent
- Describe how to perform system administration

- Utilize ThousandEyes when performing the root cause analysis
- Describe Internet Insights
- Explain alerts and dashboards configuration
- Explain monitoring solutions

Who Needs to Attend

Network Administrators, Network Engineers, Network Managers, and System Engineers involved in the installation, configuration and usage of the Cisco ThousandEyes solution.

Prerequisites

Before taking this course, you should have a:

- Basic understanding of network fundamentals
- Basic understanding of Internet Control Message Protocol (ICMP), User Datagram Protocol (UDP), Transmission Control Protocol (TCP), HTTP, SSL, and DNS protocol

The following Cisco courses may help you meet these prerequisites:

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VIRTUAL CLASSROOM LIVE	$3,695 CAD	3

Virtual Classroom Live Outline

Introducing Cisco ACI Fabric Infrastructure and Basic Concepts

- What Is Cisco ACI?
- Cisco ACI Topology and Hardware
- Cisco ACI Object Model
- Faults, Event Record, and Audit Log
- Cisco ACI Fabric Discovery
- Cisco ACI Access Policies

Describing Cisco ACI Policy Model Logical Constructs

- Cisco ACI Logical Constructs
- Tenant
- Virtual Routing and Forwarding
- Bridge Domain
- Endpoint Group
- Application Profile
- Tenant Components Review
- Contracts

Describing Cisco ACI Basic Packet Forwarding

- Endpoint Learning
- Basic Bridge Domain Configuration Knob

Introducing External Network Connectivity

- Cisco ACI External Connectivity Options
- External Layer 2 Network Connectivity
- External Layer 3 Network Connectivity

Introducing VMM Integration

- VMware vCenter VDS Integration
- Resolution Immediacy in VMM
- Alternative VMM Integrations

Describing Layer 4 to Layer 7 Integrations

- Service Appliance Insertion Without ACI L4-L7 Service Graph
- Service Appliance Insertion via ACI L4-L7 Service Graph
- Service Graph Configuration Workflow
- Service Graph PBR Introduction

Explaining Cisco ACI Management

- Out-of-Band Management
- In-Band Management
- Fabric-Wide System Settings
- Syslog
- Simple Network Management Protocol
- Configuration Backup
- Authentication, Authorization, and Accounting
- Role-Based Access Control
- Cisco ACI Upgrade
- Collect Tech Support

Virtual Classroom Live Labs

- Validate Fabric Discovery
- Configure Network Time Protocol (NTP)
- Create Access Policies and Virtual Port Channel (vPC)
- Enable Layer 2 Connectivity in the Same Endpoint Group (EPG)
- Enable Inter-EPG Layer 2 Connectivity
- Enable Inter-EPG Layer 3 Connectivity
- Compare Traffic Forwarding Methods in a Bridge Domain
- Configure External Layer 2 (L2Out) Connection
- Configure External Layer 3 (L3Out) Connection
- Integrate Cisco Application Policy Infrastructure Controller (APIC) With VMware vCenter Using VMware Distributed Virtual Switch (DVS)

Nov 3 - 5, 2025 | 8:30 AM - 4:30 PM EST

Mar 23 - 25, 2026 | 8:30 AM - 4:30 PM EDT

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ON-DEMAND	$625 CAD

On-Demand Outline

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PRIVATE GROUP TRAINING	3

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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