Implementing and Troubleshooting Networks Using Cisco ThousandEyes (ENTEIT) v1.0

What you'll learn in this course

The Implementing and Troubleshooting Networks Using Cisco ThousandEyes (ENTEIT) v1.0 course is designed to introduce you to and familiarize you with Cisco® ThousandEyes. Through a combination of lectures and hands-on experience, you will learn to implement and configure the Cisco ThousandEyes solution. You will also learn to install and configure the Cisco ThousandEyes agents with different test types. This solution will also enable you to perform root cause analysis when troubleshooting.

Course duration

- Instructor-led training: 3 days of in-class learning, including hands-on lab practice
- E-learning: Equivalent of 3 days of instruction, including lab experience

How you'll benefit

This course will help you:

- 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

Who should enroll

This course is intended for:

- Network administrators
- Network engineers
- Network managers
- System engineers

Technology areas

- Cisco ThousandEyes
- Systems Administration
- Networking

Course details

Objectives

After taking this course, you should be able to:

- Describe the Cisco ThousandEyes solution and its high-level use cases
- Identify different types of ThousandEyes agents and supported tests
- Describe different Enterprise Agent deployment options, requirements, and procedures for agent deployment
- Describe different ThousandEyes test types
- Compare Thousand Eyes web layer tests
- Describe the role of an Endpoint Agent
- Deploy and Configure an Endpoint Agent
- Utilize ThousandEyes when performing the root cause analysis
- Discuss the challenges that ThousandEyes Internet Insights can address
- Describe the role and configuration of default and custom alerts
- Distinguish between usability of dashboards and reports
- Utilize ThousandEyes to monitor solutions end-to-end
- Describe how to perform system administration

Recommended knowledge and training

Knowledge and skills you should have before attending this course:

Before enrolling in this course, you should have:

- 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 course may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA®)

How to enroll

To enroll in the ENTEIT course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

Outline

- Introducing Cisco ThousandEyes
- Introducing Cisco ThousandEyes Agents and Tests
- Deploying Enterprise Agents
- Describing ThousandEyes Routing, Network DNS, and Voice Tests
- Describing Cisco ThousandEyes Web Tests
- Introducing Endpoint Agents
- Deploying Endpoint Agents
- Troubleshooting with Cisco ThousandEyes
- Using Internet Insights
- Configuring Alerts
- Customizing Dashboards and Reports
- Monitoring Solutions
- Administrating the System

Lab outline

- Schedule a Test
- Deploy Enterprise Agent
- Configure Network, DNS, and Voice Tests
- Configure Web Tests
- Deploy and Configure an Endpoint Agent
- Examine Internet Insights
- Configure Alerts
- Build a Dashboard and Report
- Account Administration

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