

## Implementing and Troubleshooting Networks Using Cisco ThousandEyes (ENTEIT)

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In this Implementing and Troubleshooting Networks Using Cisco ThousandEyes course provides a comprehensive introduction to Cisco ThousandEyes, focusing on visibility and assurance across enterprise networks, cloud services, and the public internet. It is designed to help network and operations teams understand how ThousandEyes delivers end-to-end visibility by correlating network performance, application behavior, and user experience.

The course begins with an introduction to Cisco ThousandEyes and its architecture, followed by deployment of Enterprise Agents to provide internal and external network visibility. Learners then configure a variety of tests, including BGP, network, DNS, voice, and web-layer tests, to monitor connectivity, performance, and availability across multiple domains. Endpoint Agent functionality is also covered to provide insight into end-user experience from individual devices.

Additional topics include system and account administration, advanced network troubleshooting using Cisco ThousandEyes, and the use of Internet Insights to understand broader internet health and service provider performance. The course also covers alerting, dashboards, and monitoring solutions to help teams proactively detect issues and visualize network and application performance.

Hands-on labs reinforce these concepts by deploying agents, scheduling and configuring tests, analyzing device and network layers, exploring Internet Insights, configuring alerts, and building dashboards and reports. These exercises prepare learners to use Cisco ThousandEyes effectively for proactive monitoring and rapid troubleshooting in real-world environments.

#### How you'll benefit

This class 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
- Earn 24 CE credits toward recertification

#### Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

#### Course Duration

3 days

#### Course Price

\$2,795.00 or 28 CLCs

#### Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

## Who Should Attend

The primary audience for this course is as follows:

- Network Administrators
- Network Engineers
- Network Managers
- System Engineers

## Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- 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

## OUTLINE

Module 1: Introducing Cisco ThousandEyes

Module 2: Enterprise Agents Deployment

Module 3: BGP, Network, DNS, and Voice Tests Configuration

Module 4: Web Layer Tests Configuration

Module 5: Endpoint Agent

Module 6: System Administration

Module 7: Network Troubleshooting with Cisco ThousandEyes

Module 8: Internet Insights

Module 9: Alerts and Dashboards Configuration

Module 10: Monitoring Solutions

## LAB OUTLINE

- Lab 1: Schedule a Test
- Lab 2: Deploy Enterprise Agent
- Lab 3: Configure Network, DNS, and Voice Tests
- Lab 4: Configure Web Server Tests
- Lab 5: Configure Transaction Tests
- Lab 6: Deploy and Configure an Endpoint Agent

- Lab 7: Configure Account Administration
- Lab 8: Utilize Device Layers
- Lab 9: Examine Internet Insights
- Lab 10: Configure Alerts
- Lab 11: Build a Dashboard and Report