

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

**Course Duration: 24 Hours**

**Course Code: ENTEIT V1.0**

## 1. Course Overview

The **Implementing and Troubleshooting Networks using Cisco ThousandEyes (ENTEIT) v1.0** course provides participants with the knowledge and practical skills needed to deploy, configure, and troubleshoot networks using Cisco ThousandEyes. This course is designed to help IT professionals gain visibility into network performance, user experience, and application delivery across hybrid and cloud-based environments.

Through hands-on labs and expert-led instruction, you will learn how to implement ThousandEyes agents, interpret monitoring results, and troubleshoot network performance issues effectively.

## 2. What You'll Learn?

By the end of this course, you will be able to:

- Understand the core features and benefits of Cisco ThousandEyes.
- Deploy and configure ThousandEyes agents (Enterprise, Endpoint, and Cloud Agents).
- Monitor and analyze application and network performance.
- Troubleshoot connectivity and performance issues across cloud, SaaS, and enterprise networks.
- Integrate ThousandEyes with Cisco solutions for enhanced visibility.
- Apply best practices for proactive monitoring and optimization.

### 3. Target Audience

This course is intended for:

- Network Engineers
- Network Administrators
- IT Operations Professionals
- Cloud and SaaS Support Engineers
- System Integrators
- Professionals responsible for monitoring and troubleshooting enterprise and cloud networks

### 4. Pre-Requisites

Before taking this course, learners should have:

- Basic knowledge of networking concepts (TCP/IP, routing, switching).
- Familiarity with network monitoring and troubleshooting tools.
- Experience with enterprise or cloud network environments is recommended.

### 5. Course Content

#### **Module 1: Introduction to Cisco ThousandEyes**

- Overview of ThousandEyes Platform
- Monitoring Use Cases and Benefits

#### **Module 2: Deploying ThousandEyes Agents**

- Enterprise Agents
- Endpoint Agents

- Cloud Agents

### **Module 3: Configuring Tests and Monitoring**

- Network Tests
- Application & Web Tests
- Voice and Video Monitoring

### **Module 4: Data Analysis and Visualization**

- Interpreting Test Results
- Dashboards and Reports
- Alert Configuration

### **Module 5: Troubleshooting with ThousandEyes**

- Diagnosing Network and Application Issues
- Case Studies & Real-World Scenarios

### **Module 6: Integrations and Automation**

- Integrating with Cisco DNA, Meraki, and AppDynamics
- APIs and Automation Capabilities

### **Module 7: Best Practices and Advanced Use Cases**

- Performance Optimization
- Proactive Monitoring Strategies