# Designing and Implementing Enterprise Network Assurance (ENNA) Training

Duration: **4 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

The Designing and Implementing Enterprise Network Assurance (ENNA) course provides comprehensive training in enterprise network assurance and management. Learners will explore Cisco assurance products, including Cisco ThousandEyes and Meraki Insight, and develop the skills to deploy, configure, and manage these solutions. The course covers initial setup, performance optimisation, and daily operations to ensure continuous network assurance. It also prepares learners for the 300-445 ENNA exam, contributing to Cisco certification requirements.

## Prerequisites

The knowledge and skills you are expected 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), Hypertext Transfer Protocol Secure (HTTPS), Secure Sockets Layer (SSL), and Domain Name System (DNS) protocol
- Basic familiarity with Cisco Catalyst SD-WAN
- Basic familiarity with Cisco Catalyst Center

The knowledge you are recommended to have before attending this training is:

- Basic familiarity with Cisco Meraki

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

### Target audience

- Network Administrators
- System Engineers
- Network Analysts
- NOC Operators
- IT Professionals

## What You Will Learn

Delegates will learn how to:

- Describe enterprise network assurance
- Monitor health and performance with Cisco Catalyst Center Assurance
- Introduce Cisco AppDynamics, Cisco Catalyst SD-WAN Assurance, and Cisco ThousandEyes
- Deploy and configure Enterprise Agents and Endpoint Agents
- Configure and compare different ThousandEyes test types
- Utilise ThousandEyes for root cause analysis and network troubleshooting
- Configure alerts, dashboards, and monitoring solutions
- Describe and showcase Cisco Meraki Network Assurance and Meraki Insights

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