Designing and Implementing Enterprise Network Assurance (ENNA)

Category: Networking & Security | **Vendor:** Cisco

Duration: 32.00 hours (4 days) **26.0 CPD Hours**

Rating: ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Cisco Certified Network Professional EnterpriseCCNP ENTERPRISE
Related Exam:	300-445

Course Overview

The Designing and Implementing Enterprise Network Assurance (ENNA) training is designed to enrich and expand your knowledge and skills in the realm of enterprise network assurance and management. This training collectively encompasses a broad spectrum of network assurance and monitoring aspects. You will overview different Cisco assurance products, Cisco ThousandEyes, and Meraki Insight. You will acquire the skills not just to utilize these solutions effectively, but also to deploy, configure, and manage them in your network environments. This includes learning about the initial setup, fine-tuning for optimal performance, and conducting day-to-day operations that ensure continuous, seamless network assurance.

This training prepares you for the 300-445 Designing and Implementing Enterprise Network Assurance exam. If passed, you earn the Enterprise Network Assurance Specialist certification and satisfy the concentration exam requirement for the Cisco Certified Network Professional EnterpriseCCNP ENTERPRISE. This training also earns you 32 Continuing Education (CE) credits toward recertification.

How You'll Benefit

This training will help you:

- Position different assurance products from Cisco portfolio
- Install, configure, and manage Cisco ThousandEyes solution
- Utilize Cisco ThousandEyes to perform network troubleshooting
- Configure and leverage Meraki Insight and available dashboard tools to manage network assurance in Meraki environments

What to Expect in the Exam

300-445 ENNA: Designing and Implementing Enterprise Network Assurance is a 90-minute exam associated with the Enterprise Network Assurance Specialist certification and satisfies the concentration exam requirement for the CCNP Enterprise certification.

The multiple-choice format tests your knowledge of network assurance design and implementation,

including:

- Platforms and architecture
- Data collection and implementation
- Data analysis
- Insights and alerts

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Who Should Attend

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

Prerequisites & Entry Requirements

General 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)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Describe enterprise network assurance
- Describe how to monitor health and performance with Cisco Catalyst Center Assurance
- Introduce Cisco AppDynamics, Cisco Catalyst SD-WAN Assurance, and 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
- Describe Cisco Meraki Network Assurance
- Showcase Cisco Meraki Insights

Detailed Course Outline

- Enterprise Network Assurance Overview
- Introduction to Cisco Catalyst Center Assurance
- Introduction to Cisco AppDynamics
- Introduction to Cisco Catalyst SD-WAN Assurance
- Introduction to Cisco ThousandEyes
- Enterprise Agents Deployment
- BGP, Network, DNS, and Voice Tests Configuration
- Web Tests Configuration
- Endpoint Agent
- System Administration
- Network Troubleshooting with Cisco ThousandEyes

- Internet Insights
- Alerts and Dashboards Configuration
- Monitoring Solutions
- Cisco Meraki Network Assurance
- Cisco Meraki Insights

◫ Certification Path

Cisco Certified Network Professional EnterpriseCCNP ENTERPRISE

Exam: 300-445

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Designing and Implementing Enterprise Network Assurance (ENNA)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Designing and Implementing Enterprise Network Assurance (ENNA) course helps prepare you for the Cisco Certified Network Professional EnterpriseCCNP ENTERPRISE certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the 300-445 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day Designing and Implementing Enterprise Network Assurance (ENNA) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Designing and Implementing Enterprise Network Assurance (ENNA) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Designing and Implementing Enterprise Network Assurance (ENNA)?

Yes, we provide corporate training, dedicated training, and closed classes for Designing and Implementing Enterprise Network Assurance (ENNA). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Designing and Implementing Enterprise Network Assurance, Cisco Professional Level Networking - CCNP, ENNA

Q: Why choose Nexus Human for Designing and Implementing Enterprise Network Assurance (ENNA)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Designing and Implementing Enterprise Network Assurance (ENNA) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

Email: info@nexushuman.com

Website: www.nexushuman.com

Phone: +353 1 889 8700 (Ireland) | +44 20 8142 8961 (UK)

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