

# CISCO 300-445

Cisco CCNP Enterprise Certification Questions & Answers

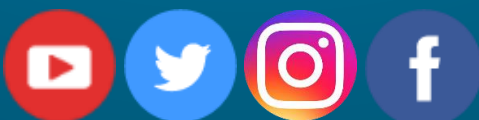
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**300-445**

**[Cisco Certified Specialist Enterprise Network Assurance](#)**

**55-65 Questions Exam – Variable (750-850 / 1000**

**Approx.) Cut Score – Duration of 90 minutes**



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## Discover More about the 300-445 Certification

Are you interested in passing the Cisco 300-445 exam? First discover, who benefits from the 300-445 certification. The 300-445 is suitable for a candidate if he wants to learn about Enterprise. Passing the 300-445 exam earns you the Cisco Certified Specialist Enterprise Network Assurance title.

While preparing for the 300-445 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-445 PDF contains some of the most valuable preparation tips and the details and instant access to useful [300-445 study materials just at one click](#).

## Cisco 300-445 CCNP Enterprise Exam Details:

Exam Name	Cisco Designing and Implementing Enterprise Network Assurance
Exam Number	300-445 ENNA
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	<a href="#">Designing and Implementing Enterprise Network Assurance   ENNA</a> <a href="#">Designing and Implementing Enterprise Network Assurance 1.0</a> <a href="#">Designing and Implementing Enterprise Network Assurance (ENNA) v1.0</a>
Exam Registration	<a href="#">PEARSON VUE</a>
Sample Questions	<a href="#">Cisco 300-445 Sample Questions</a>
Practice Exam	<a href="#">Cisco Certified Specialist Enterprise Network Assurance Practice Test</a>

## 300-445 Syllabus:

Section	Weight	Objectives
Platforms and Architecture	20%	- Determine agent types, such as synthetic user agent, scripting agent, and local collection agent to meet network assurance and security requirements

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>- Determine agent location to meet network assurance and security requirements</li> <li>- Describe active and passive monitoring (RFC 7276 and RFC 7799)</li> <li>- Describe ThousandEyes WAN Insights</li> <li>- Describe the integration between Cisco technologies, such as ThousandEyes, Catalyst SD-WAN Manager, Catalyst Center, Webex Control Hub, Meraki, and Endpoint Agent deployment through Secure Client</li> <li>- Describe setting a metric baseline</li> <li>- Select the integration type, such as API, alerting thresholds, open telemetry, and ITSM for the requested data</li> <li>- Select a Cisco network assurance platform based on business requirements, such as application communication, user experience, web, and events</li> </ul>
Data Collection Implementation	25%	<ul style="list-style-type: none"> <li>- Configure enterprise agent on application servers and network infrastructure devices, including dedicated devices</li> <li>- Describe endpoint agent deployment at scale across the enterprise on end-user devices (Windows, Mac, and Room OS)</li> <li>- Configure tests using tools, such as ThousandEyes and Meraki Insights                             <ul style="list-style-type: none"> <li>• Network such as TCP/UDP, network characteristics, loss, jitter, and latency</li> <li>• DNS</li> <li>• Voice</li> <li>• Web</li> </ul> </li> <li>- Configure endpoint agent tests in ThousandEyes</li> <li>- Describe the purpose, implementation, and limitations of synthetic web tests</li> <li>- Implement common web authentication methods, such as basic, digest, bearer tokens, OAuth, SAML, and SSO when testing web applications</li> </ul>
Data Analysis	30%	<ul style="list-style-type: none"> <li>- Diagnose network issues, such as packet loss, congestion, routing, and jitter using collected data</li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>- Diagnose end-device network issues, such as issues with a default gateway, local network, DNS server, proxy, VPN gateway, wireless, and real-time streaming using collected data</li> <li>- Diagnose web application performance issues using collected data such as browser waterfalls</li> <li>- Identify security issues, such as DDoS attacks, DNS hijacking, BGP hijacking, and route leaking affecting network performance</li> </ul>
Insights and Alerts	25%	<ul style="list-style-type: none"> <li>- Configure alert rules based on network conditions, such as TCP protocol behavior, congestion, error counters, performance, throughput, state of BGP routing table, internet insights, MPLS, VPN, NetFlow, SNMP, and syslog</li> <li>- Configure alert rules that affect the end-user experience, such as CPU utilization, connectivity types (wired to wireless, Wi-Fi), browser behavior, and VPN</li> <li>- Select deliverables or metrics such as dashboard and alerts for IT operations, production support, app/dev teams, and executives</li> <li>- Validate alert configuration and functionality</li> <li>- Recommend optimization for network capacity planning, such as topology and configuration changes, and QoS based on data interpretation</li> </ul>

## Broaden Your Knowledge with Cisco 300-445

### Sample Questions:

Question: 1

How does Meraki Insights help in identifying latency issues across network segments?

- a) By comparing historical data trends
- b) By isolating high latency connections
- c) By enforcing network access policies
- d) By simulating network attacks

**Answer: b**

**Question: 2**

What are the key metrics to monitor when setting alerts for connectivity changes from wired to wireless networks?

(Choose Two)

- a) Signal strength fluctuations
- b) Change in IP address
- c) Encryption type used
- d) Bandwidth utilization

**Answer: a, b**

**Question: 3**

Why might an organization choose digest over basic authentication when configuring tests?

(Choose Two)

- a) Digest offers better performance under load.
- b) Digest does not transmit passwords in clear text.
- c) Digest requires less configuration on the client side.
- d) Digest provides a higher level of security than basic authentication.

**Answer: b, d**

**Question: 4**

Route leaking is best identified through which of the following techniques?

- a) Password strength testing
- b) BGP route analysis
- c) Antivirus scanning
- d) Application whitelisting

**Answer: b**

**Question: 5**

Which Meraki Insight feature is crucial for diagnosing issues related to jitter in VoIP calls?

- a) Voice quality monitoring
- b) Traffic analytics
- c) Application health scores
- d) Connectivity heat maps

**Answer: a**

**Question: 6**

According to RFC 7276, which monitoring approach is more likely to be used for compliance auditing in real-time environments?

- a) Active monitoring
- b) Passive monitoring
- c) Both active and passive monitoring
- d) Neither, as RFC 7276 does not discuss compliance auditing

**Answer: a****Question: 7**

For managing and securing user endpoints in a distributed enterprise, which Cisco solution would you employ?

- a) Meraki
- b) Endpoint Agent
- c) Catalyst Center
- d) Secure Client

**Answer: d****Question: 8**

Enterprise agents installed on application servers primarily help in monitoring what aspect of network performance?

- a) Physical server security
- b) Data breach attempts
- c) Application response time
- d) Server uptime

**Answer: c****Question: 9**

When diagnosing web application performance issues, what does a browser waterfall primarily help identify?

- a) Firewall throughput
- b) SSL certificate validity
- c) Time to first byte (TTFB)
- d) Network encryption strength

**Answer: c**

**Question: 10**

In deploying endpoint agents on Room OS devices, what unique challenge must be considered?

- a) Limited user interface options
- b) Integration with mobile devices
- c) Compatibility with video conferencing software
- d) High availability requirements

**Answer: a**

## Avail the Study Guide to Pass Cisco 300-445 CCNP Enterprise Exam:

- Find out about the 300-445 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [300-445 syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the 300-445 training. Joining the Cisco provided training for 300-445 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [300-445 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-445 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

## Career Benefits:

Passing the 300-445 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

### Here Is the Trusted Practice Test for the 300-445 Certification

NWExam is here with all the necessary details regarding the 300-445 exam. We provide authentic practice tests for the 300-445 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on NWExam for rigorous, unlimited two-month attempts on the [300-445 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified Specialist Enterprise Network Assurance.

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