



# CISCO 300-445

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**Cisco CCNP Enterprise Certification Questions & Answers**

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**Exam Summary – Syllabus – Questions**

**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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## Know Your 300-445 Certification Well:

The 300-445 is best suitable for candidates who want to gain knowledge in the Cisco Enterprise. Before you start your 300-445 preparation you may struggle to get all the crucial CCNP Enterprise materials like 300-445 syllabus, sample questions, study guide.

But don't worry the 300-445 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the 300-445 syllabus?
- How many questions are there in the 300-445 exam?
- Which Practice test would help me to pass the 300-445 exam at the first attempt?

Passing the 300-445 exam makes you Cisco Certified Specialist Enterprise Network Assurance. Having the CCNP Enterprise certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

## Cisco 300-445 CCNP Enterprise Certification Details:

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

## 300-445 Syllabus:

Section	Weight	Objectives
Platforms and Architecture	20%	<ul style="list-style-type: none"> <li>- Determine agent types, such as synthetic user agent, scripting agent, and local collection agent to meet network assurance and security requirements</li> <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>

Section	Weight	Objectives
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> <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>

## Cisco 300-445 Sample Questions:

**Question: 1**

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: 2**

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**

**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**

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: 5**

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: 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**

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: 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**

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: 10**

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**

## Study Guide to Crack CCNP Enterprise 300-445 Exam:

- Getting details of the 300-445 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 300-445 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Cisco provided training for 300-445 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Practicing on 300-445 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

### Reliable Online Practice Test for 300-445 Certification

Make NWExam.com your best friend during your Cisco Designing and Implementing Enterprise Network Assurance exam preparation. We provide authentic practice tests for the 300-445 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 300-445 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests.

**Start Online practice of 300-445 Exam by visiting URL**

**<https://www.nwexam.com/cisco/300-445-cisco-designing-and-implementing-enterprise-network-assurance-enna>**