



CISCO 300-410

Cisco CCNP Enterprise Certification Questions & Answers

Exam Summary – Syllabus – Questions

300-410

[Cisco Certified Network Professional Enterprise](#)

55-65 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes

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Know Your 300-410 Certification Well:

The 300-410 is best suitable for candidates who want to gain knowledge in the Cisco Enterprise. Before you start your 300-410 preparation you may struggle to get all the crucial CCNP Enterprise materials like 300-410 syllabus, sample questions, study guide.

But don't worry the 300-410 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 300-410 syllabus?
- How many questions are there in the 300-410 exam?
- Which Practice test would help me to pass the 300-410 exam at the first attempt?

Passing the 300-410 exam makes you Cisco Certified Network Professional Enterprise. 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 300-410 CCNP Enterprise Certification Details:

Exam Name	Implementing Cisco Enterprise Advanced Routing and Services
Exam Code	300-410
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-410 Sample Questions
Practice Exam	Cisco Certified Network Professional Enterprise Practice Test

300-410 Syllabus:

Section	Weight	Objectives
Layer 3 Technologies	35%	<ol style="list-style-type: none"> 1. Troubleshoot administrative distance (all routing protocols) 2. Troubleshoot route map for any routing protocol (attributes, tagging, filtering) 3. Troubleshoot loop prevention mechanisms (filtering, tagging, split horizon, route poisoning) 4. Troubleshoot redistribution between any routing protocols or routing sources 5. Troubleshoot manual and auto-summarization with any routing protocol 6. Configure and verify policy-based routing 7. Configure and verify VRF-Lite 8. Describe Bidirectional Forwarding Detection 9. Troubleshoot EIGRP (classic and named mode) <p>Address families (IPv4, IPv6)</p> <p>Neighbor relationship and authentication</p> <p>Loop-free path selections (RD, FD, FC, successor, feasible successor, stuck in active)</p> <p>Stubs</p> <p>Load balancing (equal and unequal cost)</p> <p>Metrics</p> <ol style="list-style-type: none"> 10. Troubleshoot OSPF (v2/v3) <ul style="list-style-type: none"> - Address families (IPv4, IPv6) - Neighbor relationship and authentication - Network types, area types, and router types <p>Point-to-point, multipoint, broadcast, nonbroadcast</p> <p>(ii) Area type: backbone, normal, transit, stub, NSSA, totally stub</p> <p>(iii) Internal router, backbone router, ABR, ASBR</p> <p>(iv) Virtual link</p> <ul style="list-style-type: none"> - Path preference <ol style="list-style-type: none"> 11. Troubleshoot BGP (Internal and External) <p>Address families (IPv4, IPv6)</p> <p>Neighbor relationship and authentication (next-hop, mulithop, 4-byte AS, private AS, route refresh, synchronization, operation, peer group, states and timers)</p> <p>Path preference (attributes and best-path)</p>

Section	Weight	Objectives
		Route reflector (excluding multiple route reflectors, confederations, dynamic peer) Policies (inbound/outbound filtering, path manipulation)
VPN Technologies	20%	1. Describe MPLS operations (LSR, LDP, label switching, LSP) 2. Describe MPLS Layer 3 VPN 3. Configure and verify DMVPN (single hub) GRE/mGRE NHRP IPsec Dynamic neighbor Spoke-to-spoke
Infrastructure Security	20%	1. Troubleshoot device security using IOS AAA (TACACS+, RADIUS, local database) 2. Troubleshoot router security features IPv4 access control lists (standard, extended, time-based) IPv6 traffic filter Unicast reverse path forwarding (uRPF) 3. Troubleshoot control plane policing (CoPP) (Telnet, SSH, HTTP(S), SNMP, EIGRP, OSPF, BGP) 4. Describe IPv6 First Hop security features (RA guard, DHCP guard, binding table, ND inspection/snooping, source guard)
Infrastructure Services	25%	1. Troubleshoot device management Console and VTY Telnet, HTTP, HTTPS, SSH, SCP (T)FTP 2. Troubleshoot SNMP (v2c, v3) 3. Troubleshoot network problems using logging (local, syslog, debugs, conditional debugs, timestamps) 4. Troubleshoot IPv4 and IPv6 DHCP (DHCP client, IOS DHCP server, DHCP relay, DHCP options) 5. Troubleshoot network performance issues using IP SLA (jitter, tracking objects, delay, connectivity) 6. Troubleshoot NetFlow (v5, v9, flexible NetFlow) 7. Troubleshoot network problems using Cisco DNA Center assurance (connectivity, monitoring, device health, network health)

Cisco 300-410 Sample Questions:

Question: 1

How are packets forwarded in an MPLS domain?

- a) Using the destination IP address of the packet
- b) Using the source IP address of the packet
- c) Using a number that has been specified in a label
- d) Using the MAC address of the frame

Answer: c

Question: 2

The OSPF dead interval defaults to how many times the hello interval?

- a) Two
- b) Three
- c) Four
- d) Five

Answer: c

Question: 3

Which statement about MPLS LDP router ID is true?

- a) The loopback with the highest IP address is selected as the router ID.
- b) If MPLS LDP router ID must match the IGP router ID.
- c) The force keyword changes the router ID to the specific address causing any impact.
- d) If not configured, the operational physical interface is chosen as the router ID even if a loopback is configured.

Answer: a

Question: 4

You need to resolve a route-selection problem in a redistributed network by increasing the administrative distance to several networks for a protocol, other than EIGRP or BGP, so that these routes will not be used. You create access list 5 to identify the relevant networks, and access the routing protocol configuration prompt.

Which command will set the administrative distance to these networks to 220 for the selected protocol?

- a) Router(config-router)# list 5 distance 220
- b) Router(config-router)# admin 220 access-list 5
- c) Router(config-router)# distance 220 0.0.0.0 255.255.255.255 5
- d) Router(config-router)# increase 0.0.0.0 255.255.255.255 admin 220 list 5

Answer: c**Question: 5**

What destination addresses does EIGRP use when feasible?

(Choose two.)

- a) IP address 224.0.0.9
- b) IP address 224.0.0.10
- c) IP address 224.0.0.8
- d) MAC address 01:00:5E:00:00:0A
- e) MAC address 0C:15:C0:00:00:01

Answer: b, d**Question: 6**

How are customer routes isolated on PE routers in an MPLS Layer 3 VPN?

- a) By using VRF
- b) By using VDCs
- c) By using MP-BGP
- d) By using LDP

Answer: a

Question: 7

You just discovered that a ping packet sent from one of the devices to another took a different path in the return than it did on its way to the destination. What behavior caused this?

- a) Windowing
- b) Global synchronization
- c) MSS
- d) Asymmetric routing

Answer: d**Question: 8**

Which transport layer protocol is used to form LDP sessions?

- a) UDP
- b) SCTP
- c) TCP
- d) RDP

Answer: c**Question: 9**

A network engineer needs to verify IP SLA operations on an interface that shows an indication of excessive traffic. Which command should the engineer use to complete this action?

- a) show frequency
- b) show track
- c) show reachability
- d) show threshold

Answer: b**Question: 10**

How long is the default NHRP cache timer?

- a) 2 hours
- b) 1 hour
- c) 30 minutes
- d) 15 minutes

Answer: a

Study Guide to Crack Cisco CCNP Enterprise 300-410 Exam:

- Getting details of the 300-410 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 300-410 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 300-410 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the 300-410 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 300-410 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for 300-410 Certification

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