



# CISCO 300-820

---

**Cisco CCNP Collaboration Certification Questions & Answers**

---

**Exam Summary – Syllabus – Questions**

**300-820**

**[Cisco Certified Specialist Collaboration Cloud & Edge Implementation](#)**

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

## Table of Contents:

Know Your 300-820 Certification Well: .....	2
Cisco 300-820 CCNP Collaboration Certification Details: .	2
300-820 Syllabus:.....	3
Cisco 300-820 Sample Questions: .....	6
Study Guide to Crack Cisco CCNP Collaboration 300-820 Exam: .....	9

## Know Your 300-820 Certification Well:

The 300-820 is best suitable for candidates who want to gain knowledge in the Cisco Collaboration. Before you start your 300-820 preparation you may struggle to get all the crucial CCNP Collaboration materials like 300-820 syllabus, sample questions, study guide.

But don't worry the 300-820 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 300-820 syllabus?
- How many questions are there in the 300-820 exam?
- Which Practice test would help me to pass the 300-820 exam at the first attempt?

Passing the 300-820 exam makes you Cisco Certified Specialist Collaboration Cloud & Edge Implementation. Having the CCNP Collaboration 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 300-820 CCNP Collaboration Certification Details:

<b>Exam Name</b>	Implementing Cisco Collaboration Cloud and Edge Solutions
<b>Exam Code</b>	300-820
<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>	<a href="#">Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)</a>
<b>Exam Registration</b>	<a href="#">PEARSON VUE</a>
<b>Sample Questions</b>	<a href="#">Cisco 300-820 Sample Questions</a>
<b>Practice Exam</b>	<a href="#">Cisco Certified Specialist Collaboration Cloud &amp; Edge Implementation Practice Test</a>

## 300-820 Syllabus:

Section	Weight	Objectives
Key Concepts	25%	<ul style="list-style-type: none"> <li>- Describe the complications of NAT in a Collaboration environment</li> <li>- Describe the purpose of ICE, TURN and STUN</li> <li>- Describe Expressway media traversal</li> <li>- Describe protocol interworking on the Expressway <ul style="list-style-type: none"> <li>• SIP &lt; &gt; H.323</li> <li>• IPv4 and IPv6</li> </ul> </li> <li>- Describe Expressway Licensing <ul style="list-style-type: none"> <li>• Option keys</li> <li>• Release key</li> <li>• License consumption</li> </ul> </li> <li>- Describe SIP media encryption mode <ul style="list-style-type: none"> <li>• Auto</li> <li>• Force encrypted</li> <li>• Force unencrypted</li> <li>• Best effort</li> </ul> </li> <li>- Describe Expressway Core dial plan elements <ul style="list-style-type: none"> <li>• Transforms</li> <li>• Search rules</li> <li>• Zones</li> <li>• Regular expressions</li> <li>• Pipes and links</li> </ul> </li> <li>- Describe key Expressway settings <ul style="list-style-type: none"> <li>• DNS</li> <li>• Network interfaces</li> <li>• Certificates</li> <li>• QoS</li> <li>• Clustering</li> <li>• Network firewall rules</li> </ul> </li> </ul>

Section	Weight	Objectives
		- Describe Expressway backup and restore procedure (stand alone and cluster)
Initial Expressway Configurations	25%	<ul style="list-style-type: none"> <li>- Configure key Expressway settings <ul style="list-style-type: none"> <li>• DNS</li> <li>• Network interfaces</li> <li>• Certificates</li> <li>• QoS</li> <li>• Clustering</li> <li>• Network firewall rules</li> </ul> </li> <li>- Configure Expressway Core dial plan elements <ul style="list-style-type: none"> <li>• Transforms</li> <li>• Search rules</li> <li>• Zones</li> <li>• Regular expressions</li> <li>• Pipes and links</li> </ul> </li> <li>- Configure toll fraud prevention on Expressway series (no custom CPL scripts)</li> <li>- Configure a Business to Business (B2B) collaboration solution <ul style="list-style-type: none"> <li>• DNS records (focus on Microsoft DNS)</li> <li>• Certificates (focus on Microsoft CA)</li> <li>• Traversal Zones</li> <li>• Neighbor Zones</li> <li>• Transforms</li> <li>• Search rules</li> <li>• SIP trunk integration with Cisco Unified Communications Manager</li> </ul> </li> <li>- Troubleshoot a Business to Business (B2B) collaboration solution <ul style="list-style-type: none"> <li>• DNS records (focus on Microsoft DNS)</li> <li>• Certificates (focus on Microsoft CA)</li> <li>• Traversal Zones</li> <li>• Neighbor Zones</li> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>Transforms</li> <li>Search rules</li> <li>SIP trunk integration with Cisco Unified Communications Manager</li> </ul>
Mobile and Remote Access	25%	<ul style="list-style-type: none"> <li>- Configure a Mobile and Remote Access (MRA)solution <ul style="list-style-type: none"> <li>DNS records types (not platform-specific)</li> <li>Certificates (not platform specific, covers Unified Communications Manager, IM&amp;P, Expressways, Unity Connection)</li> <li>Unified Communications traversalzones</li> <li>Unified Communications configuration on Expressway</li> <li>HTTP allow list</li> <li>SIP trunk security profile on Cisco Unified Communications Manager</li> </ul> </li> <li>- Troubleshoot a Mobile and Remote Access (MRA) solution <ul style="list-style-type: none"> <li>DNS records (focus on Microsoft DNS)</li> <li>Certificates (focus on Microsoft CA, covers Unified CommunicationsManager, IM&amp;P, Expressways, Unity Connection)</li> <li>Unified Communications traversalzones</li> <li>Unified Communications configuration on Expressway</li> <li>HTTP allow list</li> <li>SIP trunk security profile on Cisco Unified Communications Manager</li> </ul> </li> </ul>
Cisco WebEx Technologies	25%	<ul style="list-style-type: none"> <li>- Describe the signaling and media flows used in a Cisco WebEx Video Mesh deployment</li> <li>- Configure WebEx Hybrid Services/Connector <ul style="list-style-type: none"> <li>Calendar Service (Office 365, Microsoft Exchange, One Button to Push)</li> <li>Message Service (Deployment requirements; expressway requirements, certificates, Call Manager pre-requisites, IM&amp;P prerequisites, deployment models)</li> <li>Directory Services (Deployment requirements; deployment models, infrastructure requirements, active directory configuration, synchronization, WebEx user service assignment)</li> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>Video Mesh (Deployment requirements including; bandwidth, clustering, endpoint support, video call capacity, ports and protocols, deployment models)</li> </ul> - Describe Cisco Jabber for Cloud and Hybrid deployments with Cisco WebExMessenger

## Cisco 300-820 Sample Questions:

### Question: 1

The Cisco Webex Hybrid Message service is deployed geographically for separate Cisco Unified IM and Presence clusters. What must be configured in the Cisco Webex Control Hub to achieve this deployment?

- a) geo-locations
- b) distributed DNS
- c) verified domains
- d) resource groups

**Answer: d**

### Question: 2

When a Cisco Webex Video Mesh Node is configured for an organization, which process does the Webex Teams client use to discover the optimal bridging resource?

- a) the lowest STUN round-trip delay to each node and cloud
- b) a reachable Video Mesh Node and then overflows to the cloud, if needed
- c) the SIP delay header during call setup
- d) an HTTPS speed and latency test to each node and the cloud

**Answer: b**

### Question: 3

What allows endpoints behind a NAT to discover the paths through which they will pass media?

- a) RTP
- b) TLS
- c) SNMP
- d) ICE

**Answer: d****Question: 4**

Between which two DTMF relay methods does the Expressway support interworking?

(Choose two.)

- a) unsolicited notify
- b) RFC 2833
- c) KPML
- d) passthrough
- e) H.245 user input indication

**Answer: b, e****Question: 5**

For a Mobile and Remote Access deployment, which server's certificate must include the Unified registration domain as a Subject Alternate Name?

- a) Expressway-C server certificate
- b) Cisco Unified Communications Manager server certificate
- c) Expressway-E server certificate
- d) Expressway-C and Expressway-E server certificate

**Answer: c****Question: 6**

With QoS enabled, which two statements about the Cisco Webex Video Mesh Node signaling and media traffic are true?

(Choose two.)

- a) From VMN to CUCM SIP endpoints, the source UDP ports from 52500 to 62999 is used for audio traffic.
- b) From VMN to Webex Teams clients, the source UDP port 5004 is used for video traffic.
- c) From Webex cloud to VMN, the source UDP port 9000 is used for audio traffic.
- d) From VMN to video endpoints, the destination UDP port 5004 is used for audio traffic.
- e) From VMN to Webex cloud, the destination UDP port 9000 is used for video traffic.

**Answer: a, b**



**Question: 7**

Cisco Collaboration endpoints are exchanging encrypted signaling messages. What is one major complication in implementing NAT ALG for voice and video devices?

- a) Internal endpoints cannot use addresses from the private address space.
- b) The NAT ALG cannot inspect the contents of encrypted signaling messages.
- c) NAT ALG introduces jitter in the voice path.
- d) Source addresses cannot provide the destination addresses that remote endpoints should use for return packets.

**Answer: b****Question: 8**

An Expressway-E is configured using a single NIC with NAT. How must the Expressway-C traversal client zone be configured to connect to the Expressway-E?

- a) TLS verify must be enabled.
- b) The zone profile must be set to default.
- c) The peer address must be the Expressway-E NAT address.
- d) The peer address must be the Expressway-E LAN 1 IP address.

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

Which complication does a NAT introduce in SDP for a SIP call?

- a) Additional headers due to NAT encapsulation can cause the packet size to exceed the MTU.
- b) When the client is behind a NAT they may be unable to determine the appropriate offset due to time zones.
- c) The IP address specified in the connection data field may be an unrouteable internal address.
- d) The encryption keys advertised in the SDP are only valid for clients not behind a NAT.

**Answer: d**

**Question: 10**

In a Mobile and Remote Access deployment, where must communications be encrypted with TLS?

- a) Cisco Expressway-E and endpoints outside the enterprise
- b) Cisco Expressway-C, Cisco Unified Communications Manager, and IM&P
- c) Cisco Expressway-C, Cisco Expressway-E, and Cisco Unified Communications Manager
- d) Cisco Expressway-C, Cisco Expressway-E, and endpoints outside the enterprise

**Answer: a**

## Study Guide to Crack Cisco CCNP Collaboration 300-820 Exam:

- Getting details of the 300-820 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 300-820 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 300-820 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 300-820 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 300-820 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

## Reliable Online Practice Test for 300-820 Certification

Make NWExam.com your best friend during your Implementing Cisco Collaboration Cloud and Edge Solutions exam preparation. We provide authentic practice tests for the 300-820 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 300-820 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. Our evaluation makes you confident, and you can score high in the 300-820 exam.

**Start online practice of 300-820 Exam by visiting URL**

**<https://www.nwexam.com/cisco/300-820-implementing-cisco-collaboration-cloud-and-edge-solutions-clcei>**