

# CISCO 300-820

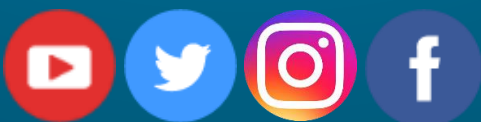
Cisco CCNP Collaboration Certification Questions & Answers

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**300-820**

**Cisco Certified Specialist Collaboration Cloud & Edge  
Implementation**

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



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## Discover More about the 300-820 Certification

Are you interested in passing the Cisco 300-820 exam? First discover, who benefits from the 300-820 certification. The 300-820 is suitable for a candidate if he wants to learn about Collaboration. Passing the 300-820 exam earns you the Cisco Certified Specialist Collaboration Cloud & Edge Implementation title.

While preparing for the 300-820 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-820 PDF contains some of the most valuable preparation tips and the details and instant access to useful [300-820 study materials just at one click](#).

## Cisco 300-820 CCNP Collaboration Certification

### Details:

Exam Name	Implementing Cisco Collaboration Cloud and Edge Solutions
Exam Number	300-820 CLCEI
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	<a href="#">Implementing Cisco Collaboration Cloud and Edge Solutions (CLCEI)</a>
Exam Registration	<a href="#">PEARSON VUE</a>
Sample Questions	<a href="#">Cisco 300-820 Sample Questions</a>
Practice Exam	<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> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>• IPv4 and IPv6</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> <li>- Describe Expressway backup and restore procedure (stand alone and cluster)</li> </ul>
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> </ul> </li> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <li>• Certificates</li> <li>• QoS</li> <li>• Clustering</li> <li>• Network firewall rules</li> </ul> <p>- Configure Expressway Core dial plan elements</p> <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> <p>- Configure toll fraud prevention on Expressway series (no custom CPL scripts)</p> <p>- Configure a Business to Business (B2B) collaboration solution</p> <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> <p>- Troubleshoot a Business to Business (B2B) collaboration solution</p> <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> </ul>

Section	Weight	Objectives
		<ul style="list-style-type: none"> <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 traversal zones</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 Communications Manager, IM&amp;P, Expressways, Unity Connection)</li> <li>Unified Communications traversal zones</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> </ul> </li> </ul>

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

## Broaden Your Knowledge with Cisco 300-820 Sample Questions:

### Question: 1

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: 2

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: 3**

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: 4**

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: 5**

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: d****Question: 6**

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: 7**

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: 8**

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: c**

**Question: 9**

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: 10**

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**

## Avail the Study Guide to Pass Cisco 300-820 CCNP Collaboration Exam:

- Find out about the 300-820 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 [300-820 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 300-820 training. Joining the Cisco provided training for 300-820 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 [300-820 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-820 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 300-820 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 300-820 Certification

NWExam.com is here with all the necessary details regarding the 300-820 exam. We provide authentic practice tests for the 300-820 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.com for rigorous, unlimited two-month attempts on the [300-820 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified Specialist Collaboration Cloud & Edge Implementation.

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