

HashiCorp Consul Associate

HASHICORP CONSUL ASSOCIATE CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

CONSUL ASSOCIATE

HashiCorp Certified - Consul Associate

57 Questions Exam – 70% Cut Score – Duration of 60 minutes

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Know Your Consul Associate Certification Well:

The Consul Associate is best suitable for candidates who want to gain knowledge in the HashiCorp Networking Automation. Before you start your Consul Associate preparation you may struggle to get all the crucial Networking Automation materials like Consul Associate syllabus, sample questions, study guide.

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

Passing the Consul Associate exam makes you HashiCorp Certified - Consul Associate. Having the Networking Automation certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

HashiCorp Consul Associate Networking Automation Certification Details:

Exam Name	HashiCorp Certified Consul Associate (Networking Automation)
Exam Code	Consul Associate
Exam Price	\$70 USD
Duration	60 minutes
Number of Questions	57
Passing Score	Pass / Fail (Approx 70%)
Recommended Training / Books	Prepare for the exam
Schedule Exam	Cloud Engineer Certification Exam Portal
Sample Questions	HashiCorp Consul Associate Sample Questions
Recommended Practice	HashiCorp Certified - Consul Associate Practice Test

Consul Associate Syllabus:

Section	Objectives
Explain Consul architecture	<ul style="list-style-type: none"> - Identify the components of Consul datacenter, including agents and communication protocols - Prepare Consul for high availability and performance - Identify Consul's core functionality - Differentiate agent roles
Deploy a single datacenter	<ul style="list-style-type: none"> - Start and manage the Consul process - Interpret a Consul agent configuration - Configure Consul network addresses and ports - Describe and configure agent join and leave behaviors
Register services and use service discovery	<ul style="list-style-type: none"> - Interpret a service registration - Differentiate ways to register a single service - Interpret a service configuration with health check - Check the service catalog status from the output of the DNS/API interface or via the Consul UI - Interpret a prepared query - Use a prepared query
Access the Consul key/value (KV)	<ul style="list-style-type: none"> - Understand the capabilities and limitations of the KV store - Interact with the KV store using both the Consul CLI and UI - Monitor KV changes using watch - Monitor KV changes using envconsul and consul-template
Back up and restore	<ul style="list-style-type: none"> - Describe the content of a snapshot - Back up and restore the datacenter - [Enterprise] Describe the benefits of snapshot agent features
Use Consul service mesh	<ul style="list-style-type: none"> - Understand Consul Connect service mesh high level architecture - Describe configuration for registering a service proxy - Describe intentions for Consul Connect service mesh - Check intentions in both the Consul CLI and UI
Secure agent communication	<ul style="list-style-type: none"> - Understanding Consul security/threat model - Differentiate certificate types needed for TLS encryption - Understand the different TLS encryption settings for a fully secure datacenter
Secure services with basic access control lists (ACL)	<ul style="list-style-type: none"> - Set up and configure a basic ACL system - Create policies - Manage token lifecycle: multiple policies, token revoking, ACL roles, service identities - Perform a CLI request using a token - Perform an API request using a token
Use gossip encryption	<ul style="list-style-type: none"> - Understanding the Consul security/threat model - Configure gossip encryption for the existing data center - Manage the lifecycle of encryption keys

HashiCorp Consul Associate Sample Questions:

Question: 1

In the Enterprise offering of Consul, a server agent can be either a voting or non-voting member of the cluster.

Select the statements below that are true in regards to a non-voting member.

(select three)

- a) a non-voting member still receives replicated data
- b) a non-voting member does not participate in the Raft quorum
- c) a non-voting member can be automatically promoted to a voting member
- d) a non-voting member does not receive replicated data
- e) a non-voting member participates in the Raft quorum
- f) a non-voting member cannot be automatically promoted to a voting member

Answer: a, b, c

Question: 2

What command can be used for new Consul agents to become a member of an existing cluster?

- a) `consul cluster -join`
- b) `consul connect`
- c) `consul exec -join`
- d) `consul join`

Answer: d

Question: 3

Scenario: You are storing configuration settings for your application in Consul's K/V store, and each setting is critical to the successful implementation of the application. A developer recently updated the value for `app1`, causing the deployment to fail.

What Consul feature can be used to monitor the K/V store for updates and automatically take action to remediate the issue?

- a) use the raft consensus protocol to replicate the changes from the other nodes when a value is changed
- b) set up health checks to monitor for changes to the K/V store
- c) configure a watch and execute a script to update the application
- d) set up an ACL to automatically restart the Consul service when a value is changed

Answer: c

Question: 4

Based on the configuration file below, what datacenter will the Consul agent join once the Consul service has started?

```
{  
  
  "server": false,  
  
  "node_name": "web-dc-1",  
  
  "datacenter": "us-east-1",  
  
  "data_dir": "/opt/consul/data",  
  
  "bind_addr": "10.0.41.95",  
  
  "client_addr": "10.0.41.95",  
  
  "retry_join": ["provider=aws tag_key=consul tag_value=true"],  
  
  "log_level": "INFO",  
  
  "enable_syslog": true,  
  
}
```

- a) web-dc-1
- b) us-east-1
- c) consul
- d) aws

Answer: b

Question: 5

Scenario: You currently have services in your environment which grab configuration data from Consul's KV store upon initial deployment. However, you often need to make changes to these values depending on changes to your environment. You want to automate the update to the configuration file with the new values and reload the application so the new settings take effect.

From the answers below, what integrated feature can be used to achieve this?

- a) schedule a rolling restart of the services depending on the expected schedule of changes
- b) use a third-party monitoring solution to alert the development team of changes to the KV so they can restart the services
- c) use consul-template as a daemon and configure it to update the desired configuration files
- d) tail the log file and watch for changes to the specific key/value - execute an external script to make the changes

Answer: c**Question: 6**

Which protocol(s) need to be enabled in your network configuration to permit the nodes to communicate over the gossip protocol?

- a) TCP and UDP
- b) gRPC
- c) SSL
- d) HTTP and HTTPS
- e) All of the above

Answer: a**Question: 7**

Your security team has established company policies that require encryption keys to be rotated at least once a year for all applicable systems. Consul has been identified as an affected system, and the encryption key for gossip must be rotated across the entire environment.

However, you have multiple Consul clusters, each consisting of five Consul nodes and hundreds of services registered with Consul, each of which has the gossip key explicitly written to the configuration file.

What built-in Consul feature allows you to distribute a new encryption key to all the servers and nodes and remove the old one?

- a) use the consul keyring command
- b) use consul maint command
- c) use consul exec command
- d) use the consul keygen command

Answer: a**Question: 8**

What are the benefits of using the Consul Enterprise feature of adding non-voting servers in a redundancy zone to your Consul datacenter?

Choose two correct answers.

- a) Read-scalability
- b) Redundancy
- c) Increase quorum
- d) Segment your network
- e) Disaster recovery

Answer: a, b

Question: 9

After enabling Consul ACLs, what are two ways that you can supply the token when executing a Consul command on the CLI?

(Select two)

- a) set the Consul ACL token using the consul operator token command
- b) append the flag -token at the of each command
- c) configure the token in the configuration file
- d) set the environment variable CONSUL_HTTP_TOKEN

Answer: b, d

Question: 10

During leadership election, which members in the local datacenter get a vote to elect a new leader?

- a) Consul clients
- b) Consul servers and clients
- c) Consul server nodes
- d) Consul servers, read-only server nodes, and clients

Answer: c

Study Guide to Crack HashiCorp Networking Automation Consul Associate Exam:

- Getting details of the Consul Associate 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 Consul Associate 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 HashiCorp provided training for Consul Associate 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 Consul Associate 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 Consul Associate practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for Consul Associate Certification

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