



HashiCorp Consul Associate

**HashiCorp Networking Automation Certification
Questions & Answers**

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CONSUL ASSOCIATE

[HashiCorp Certified - Consul Associate](#)

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

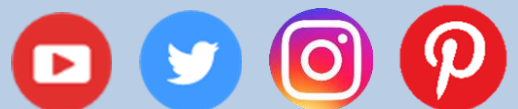


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Discover More about the Consul Associate Certification

Are you interested in passing the HashiCorp Consul Associate exam? First discover, who benefits from the Consul Associate certification. The Consul Associate is suitable for a candidate if he wants to learn about Networking Automation. Passing the Consul Associate exam earns you the HashiCorp Certified - Consul Associate title.

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

HashiCorp Consul Associate Certification Details:

Exam Name	HashiCorp Certified Consul Associate (Networking Automation)
Exam Code	Networking Automation
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
Understand the pillars of service networking	<ul style="list-style-type: none"> - Understand how Consul discovers, tracks, and monitors the health of services - Explain how Consul secures service to service communication - Summarize how Consul controls access to services at point of entry - Discuss how Consul automates networking tasks
Describe Consul architecture	<ul style="list-style-type: none"> - Identify Consul datacenter components including agents and communication protocols - Review Consul server high availability & scalability options - Differentiate between server agents and data plane components (client agents and Consul Dataplane) - Understand that Consul can run on multiple platforms
Deploy a single datacenter	<ul style="list-style-type: none"> - Configure, bootstrap, and start Consul server agents - Configure and start Consul client agents - Configure and start Consul on Kubernetes - Explain Consul agent join methods and behavior
Register services and use service discovery	<ul style="list-style-type: none"> - Interpret a service registration - Differentiate between service registration methods - Understand service health check configuration options and behaviors - Query Consul's service catalog via CLI, API, UI, and/or DNS, and interpret the results - Interpret & use prepared queries
Use Consul service mesh	<ul style="list-style-type: none"> - Consider high level architecture & key benefits of Consul service mesh - Understand Consul service mesh intentions & when to use them - Apply proxy configuration options within Consul service mesh
Secure agent communication	<ul style="list-style-type: none"> - Understand Consul security/threat model - Differentiate certificate types needed for TLS encryption - Interpret TLS encryption settings & intended use - Configure gossip encryption
Secure services with basic access control lists (ACLs)	<ul style="list-style-type: none"> - Understand Consul ACL system components and usage - Create and configure ACL policies and tokens - Use ACL tokens to communicate securely with Consul services and agents
Secure and connect service mesh applications	<ul style="list-style-type: none"> - Use Consul gateways to securely connect and access services into, out of, and within the service mesh - Understand how to enable communication between multiple Consul datacenters
Monitor Consul	<ul style="list-style-type: none"> - Describe Consul service mesh observability - Review Consul datacenter observability

Section	Objectives
Operate and maintain Consul	<ul style="list-style-type: none">- Manage Consul servers- Maintain Consul communications security- Backup and restore Consul cluster state- Understand Consul datacenter troubleshooting options

Broaden Your Knowledge with 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

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: 3

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: 4

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

Question: 5

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: 6

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: 7

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: 8

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: 9

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: 10

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

Avail the Study Guide to Pass HashiCorp Consul Associate Exam:

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

VMExam.Com is here with all the necessary details regarding the Consul Associate exam. We provide authentic practice tests for the Consul Associate 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 VMExam.Com for rigorous, unlimited two-month attempts on the [Consul Associate practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the HashiCorp Certified - Consul Associate.

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