HashiCorp Vault Operations Professional

HashiCorp Security Automation Certification Questions & Answers

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VAULT OPERATIONS PROFESSIONAL

HashiCorp Certified Vault Operations Professional

57 Questions Exam – 70% Cut Score – Duration of 240 minutes

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Discover More about the Vault Operations Professional Certification

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

While preparing for the Vault Operations Professional exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The Vault Operations Professional PDF contains some of the most valuable preparation tips and the details and instant access to useful Vault Operations Professional study materials **just at one click**.

HashiCorp Vault Operations Professional Certification Details:

Exam Name	HashiCorp Certified Vault Operations Professional (Security Automation)
Exam Code	Security Automation
Exam Price	$295 USD
Duration	240 minutes
Number of Questions	57
Passing Score	Pass / Fail (Approx 70%)
Recommended Training / Books	**Study Guide - Vault Operations Professional Certification** **Review Guide - Vault Operations Professional Certification**
Schedule Exam	**Cloud Engineer Certification Exam Portal**
Sample Questions	**HashiCorp Vault Operations Professional Sample Questions**
Recommended Practice	**HashiCorp Certified Vault Operations Professional Practice Test**

Vault Operations Professional Syllabus:

Section	Objectives
Create a working Vault server configuration given a scenario	- Enable and configure secret engines - Practice production hardening - Auto unseal Vault - Implement integrated storage for open source and Enterprise Vault - Enable and configure authentication methods - Practice secure Vault initialization - Regenerate a root token - Rekey Vault and rotate encryption keys
Monitor a Vault environment	- Monitor and understand Vault telemetry - Monitor and understand Vault audit logs - Monitor and understand Vault operational logs
Employ the Vault security model	- Describe secure introduction of Vault clients - Describe the security implications of running Vault in Kubernetes
Build fault-tolerant Vault environments	- Configure a highly available (HA) cluster - [Vault Enterprise] Enable and configure disaster recovery (DR) replication - [Vault Enterprise] Promote a secondary cluster
Understand the hardware security module (HSM) integration	- [Vault Enterprise] Describe the benefits of auto unsealing with HSM - [Vault Enterprise] Describe the benefits and use cases of seal wrap (PKCS#11)
Scale Vault for performance	- Use batch tokens - [Vault Enterprise] Describe the use cases of performance standby nodes - [Vault Enterprise] Enable and configure performance replication - [Vault Enterprise] Create a paths filter
Configure access control	- Interpret Vault identity entities and groups - Write, deploy, and troubleshoot ACL policies - [Vault Enterprise] Understand Sentinel policies - [Vault Enterprise] Define control groups and describe their basic workflow - [Vault Enterprise] Describe and interpret multi-tenancy with namespaces
Configure Vault Agent	- Securely configure auto-auth and token sink - Configure templating

Broaden Your Knowledge with HashiCorp Vault Operations Professional Sample Questions:

Question: 1

Your management team has approached you regarding the Vault environment at your organization. They recently heard something about an "auto unseal" feature, and what options are available to enable it. Which of the following options is NOT a supported method for auto unseal?

a) Shamir
b) Cloud Key Management services like AWS KMS or Azure Key Vault
c) Vault's Transit Secret Engine
d) Hardware Security Module (HSM)

Answer: a

Question: 2

Due to an internal compliance audit at your client Binford Tools, they have contacted you about performing a rotate and rekey in their Vault environment. They are unsure if and when they will need their current unseal keys during these processes. Select the statement below that is true regarding the rotate and rekey process.

a) Both the rekey and rotate processes will require a threshold of key holders.
b) Neither process requires a threshold of key holders if you are logged in as a root token
c) The rekey operation requires a threshold of key holders. The rotate operation does NOT require a threshold of key holders.
d) The rekey operation requires sudo privileges on the root-protected path. However, the rotate operation requires a threshold of key holders.

Answer: c

Question: 3

An internal compliance initiative has been adopted at your organization, and the head of the compliance team is interested in how Sentinel can integrate with Vault. Sentinel can provide a rich set of access control functionality that goes beyond the standard Vault ACL policies.

What are the two additional policy types that can be used with Sentinel?

a) Secret Governing Policies (SGPs) and Authentication Governing Policies (AGPs)
b) Role Governing Policies (RGPs) and Endpoint Governing Policies (EGPs)
c) Extended Governance Policies (EGPs) and Token Governing Policies (TGPs)
d) Functional Governance Policies (FGPs) and Path-Based Governing Policies (PGPs)

Answer: b

Question: 4

How can you monitor Vault telemetry?

a) By reviewing Vault audit logs
b) By using third-party monitoring tools
c) By querying the Vault API
d) By monitoring system resources on the Vault server

Answer: b

Question: 5

The Vault Agent allows for the use of "auto-auth", which allows the agent to authenticate, retrieve a Vault token, and manage the token lifecycle with the configured method. Which of the following auto-auth methods is ***NOT*** a valid option for the Vault Agent to use during authentication to Vault?

a) AWS
b) Kubernetes
c) LDAP
d) Azure
e) AppRole

Answer: c

Question: 6

Many organizations are moving to host applications in Kubernetes clusters. When it comes to Vault, it is important to understand additional considerations when hosting services in a container-based environment.

Which of the following items is NOT a recommended step to mitigate potential security vulnerabilities when running Vault on Kubernetes?

a) Ensure mlock is enabled
b) Ensure end-to-end encryption using TLS certificates
c) Ensure the Vault process is not running as the root user
d) Offload TLS by ensuring that traffic is terminated at load balancers

Answer: d

Question: 7

What metrics should you monitor to ensure Vault is performing within expected parameters?

   a) CPU temperature, system uptime, and network latency
   b) Network traffic, disk space, and user sessions
   c) Authentication errors, secret engine usage, and audit logs
   d) CPU usage, memory usage, and disk I/O

Answer: d

Question: 8

Your organization is currently using Vault's KV store to consolidate secrets and sensitive data accessed by applications and users across the organization. Right now, the KV version 1 secrets engine is being used, but multiple Vault consumers are requesting you to add versioning capabilities to the KV secrets engine.

How can you add versioning to the KV store while minimizing the impacts to existing clients?

   a) Enable a KV V2 secrets engine at the same path as the existing KV Version 1 store. This will allow clients to start taking advantage of versioning capabilities.
   b) KV does not support versioning and is not a capability that can be added.
   c) Enable a new KV Version 2 secrets engine on a new path. Use the vault move command to migrate all of the data from the old path to the new path.
   d) Upgrade the KV store to KV Version 2 using the command kv enable-versioning /path

Answer: d

Question: 9

What is the advantage of implementing integrated storage for open source and Enterprise Vault?

   a) Improved performance and scalability
   b) Better security and access control
   c) Simplified backup and disaster recovery
   d) Enhanced audit logging and reporting

Answer: a

Question: 10

How can you enable and configure performance replication in Vault Enterprise?

a) By using the Vault UI dashboard
b) By editing the Vault configuration files on the server
c) By using the Vault API and CLI commands
d) By configuring replication in a third-party tool or service

Answer: c

Avail the Study Guide to Pass HashiCorp Vault Operations Professional Exam:

- Find out about the Vault Operations Professional 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 **Vault Operations Professional 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 Vault Operations Professional training. Joining the HashiCorp provided training for Vault Operations Professional 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 **Vault Operations Professional sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. Vault Operations Professional 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 Vault Operations Professional 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.

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