

HASHICORP VAULT 101

INTRODUCTION TO VAULT FOR DEVELOPERS

Course length: 1 day



COURSE DESCRIPTION

This is an introductory course aimed at developers who will be integrating their applications with Vault leveraging a number of features provided by Vault.

COURSE OUTLINE

The course covers:

- Module 1: Vault Overview
- Module 2: Secret Engines: Static Secrets
- Module 3: Secret Engines: Cubbyhole Secret Engine
- Module 4: Secret Engines: Dynamic Secrets
- Module 5: Encryption as a Service - Transit Secrets Engine
- Module 6: Authentication
- Module 7: Application Integration

WHO SHOULD ATTEND

Developers, Engineering Managers

HASHICORP VAULT 102

INTRODUCTION TO VAULT OPERATIONS

Course length: 1 day



COURSE DESCRIPTION

This is an introductory course for operations staff who are responsible for deploying Vault clusters.

COURSE OUTLINE

The course covers:

- Module 1: Vault Overview
- Module 2: Vault Installation
- Module 3: Auto-Unseal
- Module 4: Vault Cluster Deployment
- Module 5: Vault Operations
- Module 6: Vault Policies
- Module 7: Secure Introduction

WHO SHOULD ATTEND

DevOps, Security and Operations

HASHICORP VAULT 202

INTERMEDIATE VAULT OPERATIONS

Course length: 1 day



COURSE DESCRIPTION

This is an intermediate hands-on course aimed at users who desire an in-depth exploration of Vault highlights a number of Enterprise features that are necessary for scale.

Prerequisites: Vault 102 or equivalent Vault experience

COURSE OUTLINE

The course covers:

- Module 1: Vault Identities: Entities and Groups
- Module 2: Namespaces
- Module 3: Granular Access Control
- Module 4: Scaling for Performance
- Module 5: Codify Management of Vault Clusters
- Module 6: Production Topologies
- Module 7: Monitoring Vault

WHO SHOULD ATTEND

DevOps, Security, and Operations

HASHICORP CONSUL 101

CONNECT DYNAMIC APPLICATION

Course length: 1 day



COURSE DESCRIPTION

Learn how to connect dynamic applications using Consul service discovery and service mesh. This introductory course will get you started using Consul's core capabilities, and give you the tools to continue learning about more advanced use cases on your own. Learn by doing, with the help of an instructor in this mixed lab and lecture course.

COURSE OUTLINE

During this hands-on training you will:

- Learn about the problems that Consul solves.
- Explore Consul's architecture and interfaces (HTTP API, DNS interface, and web UI).
- Implement service discovery and health checking.
- Connect services into a service mesh to encrypt and control network traffic.
- Manipulate values in Consul's key-value store and watch them for updates.
- Render a configuration file from key-value data using Consul Template.
- Install a local Consul agent that you can use to continue experimenting with after the course.
- Explore additional online learning resources.

WHO SHOULD ATTEND

Developers and operators who are writing or supporting dynamic applications or microservices, and have not run Consul in production before.