

## Day - 1

### Introduction to HashiCorp Vault

- Overview of secrets management
- Vault's architecture and components

### Install Vault

- The first step to using Vault is to get it installed.

### Installation and Configuration

- Setting up Vault (installation on various platforms)
- Initial configuration (HCL and JSON formats)

### Understanding Secrets Management

- Types of secrets
- Overview of secrets engines

### Authentication Methods

- Overview of authentication methods (token, AppRole, LDAP, etc.)
- Hands-on lab: Configuring authentication methods

### Policies and Access Control

- Understanding Vault policies
- Hands-on lab: Creating and managing policies

## Day - 2

### Managing Secrets

- Storing and retrieving secrets
- Versioning secrets
- Hands-on lab: Managing secrets using Vault CLI

### Dynamic Secrets

- Introduction to dynamic secrets
- Use cases for dynamic secrets
- Hands-on lab: Configuring dynamic secrets with a database

### Integrating Vault with Applications

- Using Vault with various applications
- Overview of the API
- Hands-on lab: Accessing Vault from an application

### Audit Logging and Monitoring

- Setting up audit logs
- Monitoring Vault's performance
- Hands-on lab: Enabling and viewing audit logs

### **Security Best Practices**

- Best practices for securing Vault
- Key management and disaster recovery
- Hands-on lab: Implementing security best practices

### **Exam Preparation**

- Overview of the certification exam format
- Review of key concepts and topics
- Study tips and resources

### **Practice Exam**

- Take a practice exam to assess readiness
- Review answers and explanations

### **Final Q&A and Discussion**

- Address any remaining questions or concerns
- Share additional resources for continued learning