

IBM Boundary (HashiCorp)

OEM: IBM • Duration: 3 Days (24 hrs) • Code: 8H504G

COURSE MODULES & TOPICS

Objectives

- Design, deploy, and operate HashiCorp Boundary Enterprise using proven enterprise architecture patterns and best practices.
- Configure secure access through authentication, identity provider integration, scopes, projects, and role-based access controls (RBAC).
- Manage targets, host catalogs, credentials, and connection workflows to deliver secure infrastructure access.
- Implement advanced security capabilities, including credential injection, credential brokering, dynamic secrets with Vault, and session monitoring.
- Monitor, scale, automate, and troubleshoot Boundary deployments to meet enterprise security, availability, and compliance requirements.

Day 1: Foundations

- Boundary introduction, architecture, and core concepts
- Zero Trust security model and identity-based access
- Scopes, projects, roles, and access management
- Connection workflows (UI, CLI, API)
- Identity provider (IdP) integration
- Host discovery and resource management labs

Day 2: Deployment & Administration

- Deploying and configuring Boundary Enterprise
- Platform architecture, HA, and disaster recovery
- Authentication, RBAC, users, groups, and projects
- Managing targets, host catalogs, and host sets
- Platform operations, monitoring, and observability
- Session recording and lifecycle management

Day 3: Advanced Operations & Enterprise Features

- Credential management and credential brokering
- Credential injection and secretless access
- Vault integration for dynamic secrets
- Client agents and advanced connectivity workflows

- Multi-hop and transparent sessions
- Security hardening, compliance, and enterprise automation with Terraform