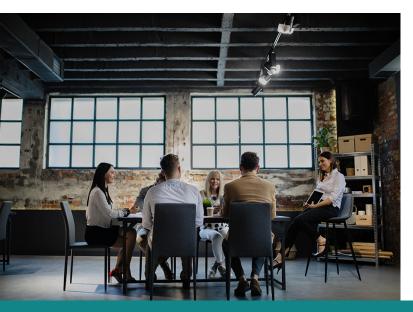# GoodDogLabs.

HashiCorp Implementation QuickStart for Vault Enterprise

Description

Good Dog Labs provides an experienced team to implement HashiCorp Vault Enterprise into your organization. Using the Vault Advisory QuickStart, we focus on building a detailed set of requirements for this upcoming phase.

We follow a two-step implementation process of a solution design followed by a Vault Enterprise implementation. The solution design builds upon the Advisory quick start and uses those deliverables to create a production ready architecture focused on properly using Vault Enterprise in your infrastructure. The final phase is executed by an experienced implementation team that integrates Vault Enterprise into your organization using a best practice-based solution design, detailed project scope, and plan. Vault is configured in a highly available and disaster recovery environment for both on-premise and cloud infrastructures. Our team, deploys, sets up and customizes your Vault Enterprise implementation to accelerate Vault Enterprise usage and adoption across your organization.

Main Deliverables

- Documentation describing HashiCorp Vault Enterprise best practices, enterprise usage patterns, and solution designs to be implemented.
- Documentation and creation of a detailed project plan by an experienced Vault Enterprise implementation project manager with regular updates to ensure that all team members are aware of the schedule and how their tasks fit into the schedule.
- Detailed scope document that lists for the implementation team what is to be accomplished.
- Installation, configuration, and deployment of Vault Enterprise in development, test, and production environments.
- Installation, configuration, and deployment of Vault Enterprise in a disaster recovery environment.
- Acceleration of three key application and or system integrations into Vault Enterprise services for accelerating application and system integration adoption.

Pricing and Duration

- Contact us for pricing for the engagement.
- Continuous service duration is 8 - 10 weeks or an equivalent allotment of time for customers that require an advisory or implementation "ad-hoc" approach.

HashiCorp

Key Tasks (Solution Design)

- Create best practice-based architecture design including High Availability: Driven by requirements analysis and includes HashiCorp Vault Enterprise architecture.
- Create a use case library which describes how to leverage the new Vault Enterprise services across the enterprise.
- Create design for Vault initialization / Unsealment: Operational and security considerations for HashiCorp Vault initialization and unseal processes.
- Create design for Replication: Driven mostly by geographically distributed clusters. This looks into the replication aspects of HashiCorp Vault/Consul across data centers and/or clusters.
- Create design for Secrets Backends: Considerations for static secrets, dynamic secrets Backends as driven by requirements.
- Create design for physical Storage Backends: Design for HashiCorp Consul as a storage backend and HA provider to HashiCorp Vault.
- Create design for Authentication Backends: Delves into the authentication of a secrets consumer/producer and the possible inclusion of existing IAM systems.
- Create design for Auditing / Logging Backends: Design for how components of the solution are audited and how logging is handled.
- Create design for Container based deployments and CI/CD: Design considerations when applicable for the inclusion of this solution as part of security CI/CD pipelines within the enterprise.
- Create Dynamic secrets backends for AWS, Active Directory, SSH keys, Databases (Oracle, DB2, Sybase,) and others as needed.

Key Tasks (Vault Implementation)

- Deploy and configure a Consul cluster into Development, Test, Production, and disaster recovery environments
- Deploy a Vault Enterprise cluster into Development, Test, Production, and disaster recovery environments
- Setup Vault authorization using LDAP/AWS or applicable backend as per solution design
- Setup Vault policies for administration (i.e. retiring of root token) and application onboarding
- Consul ACL setup
- Setup Audit logging
- Production Hardening

Good Dog Labs is a multi and hybrid cloud security solutions provider that enables clients to obtain peace of mind and reduce cybersecurity risk by taking a cloud native, strategic and innovative approach to cybersecurity. We excel in aligning security programs to help our customers measure and obtain business outcomes with our three main service capabilities, from cloud security strategy to privileged access management technology.

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