Managing HashiCorp Vault

SELECTING A DEPLOYMENT MODEL

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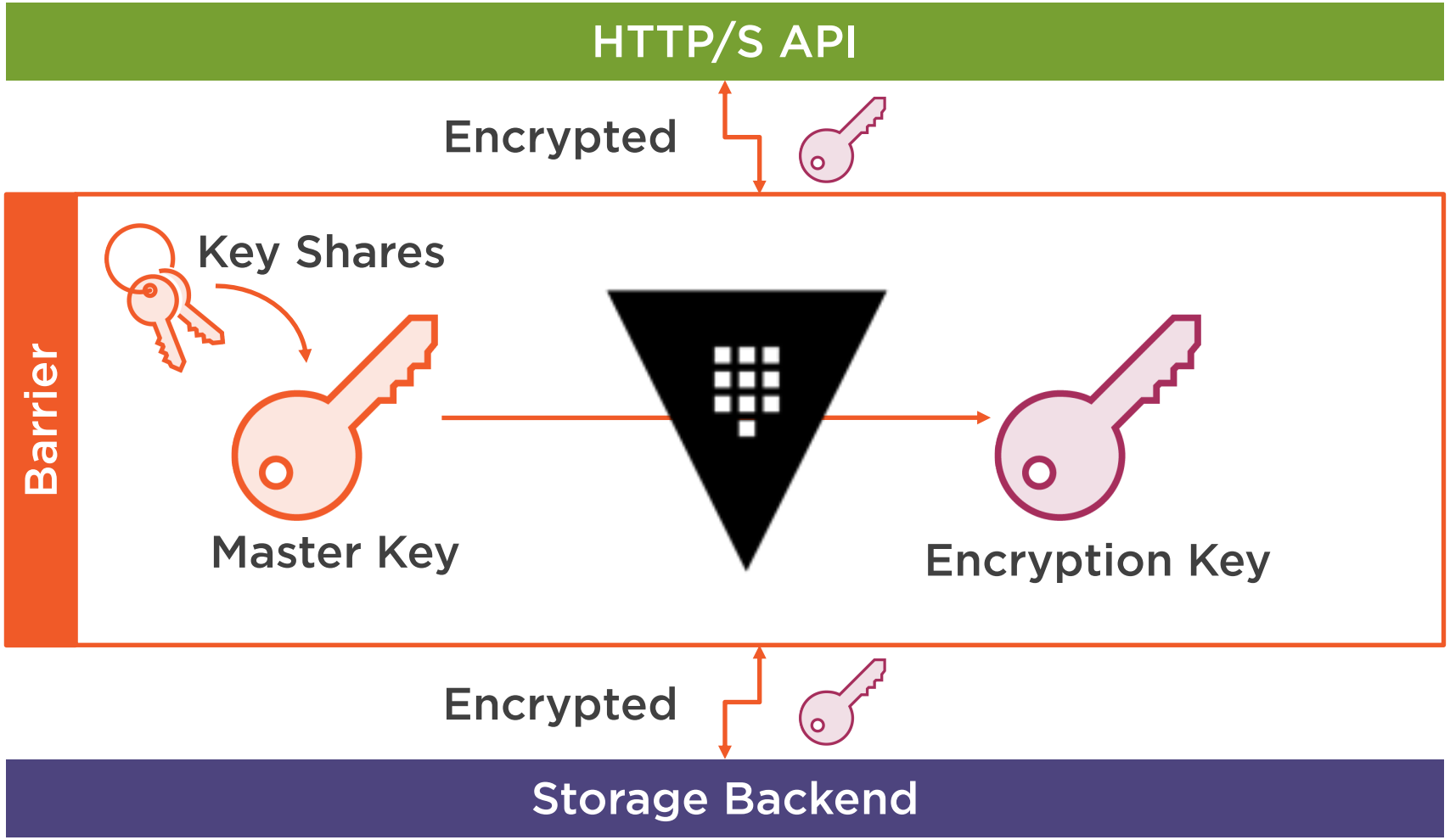
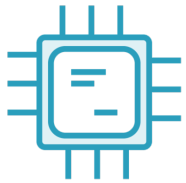
Overview

- Review the Vault architecture
- Examine deployment models
- Introduce our scenario

Vault Server Architecture

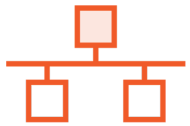


Deployment Components



Bare Metal / VM / Container

Multiple Operating Systems



Client and storage communication

Load balancer or DNS

HashiCorp or community support

High availability support

API SSL certificate

Storage backend traffic

Deployment Considerations

Service level agreement and uptime

Component failure

Health monitoring

Capacity monitoring

Key shares

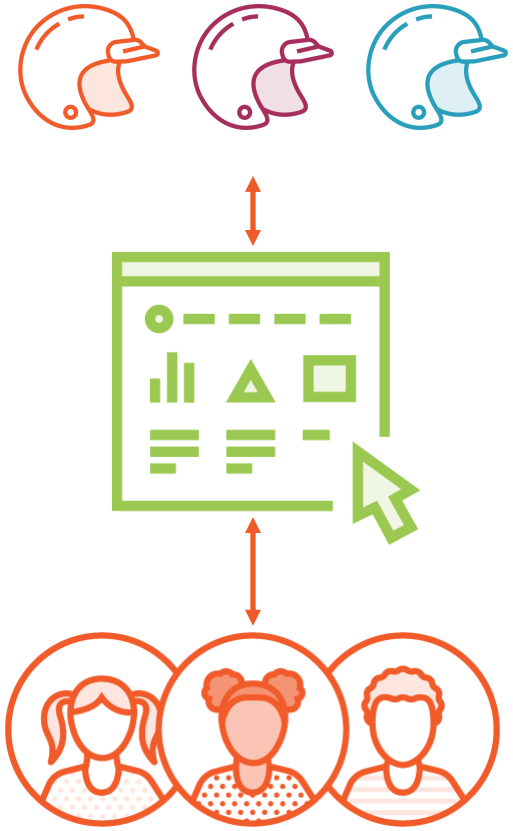
Server configuration

Storage backend

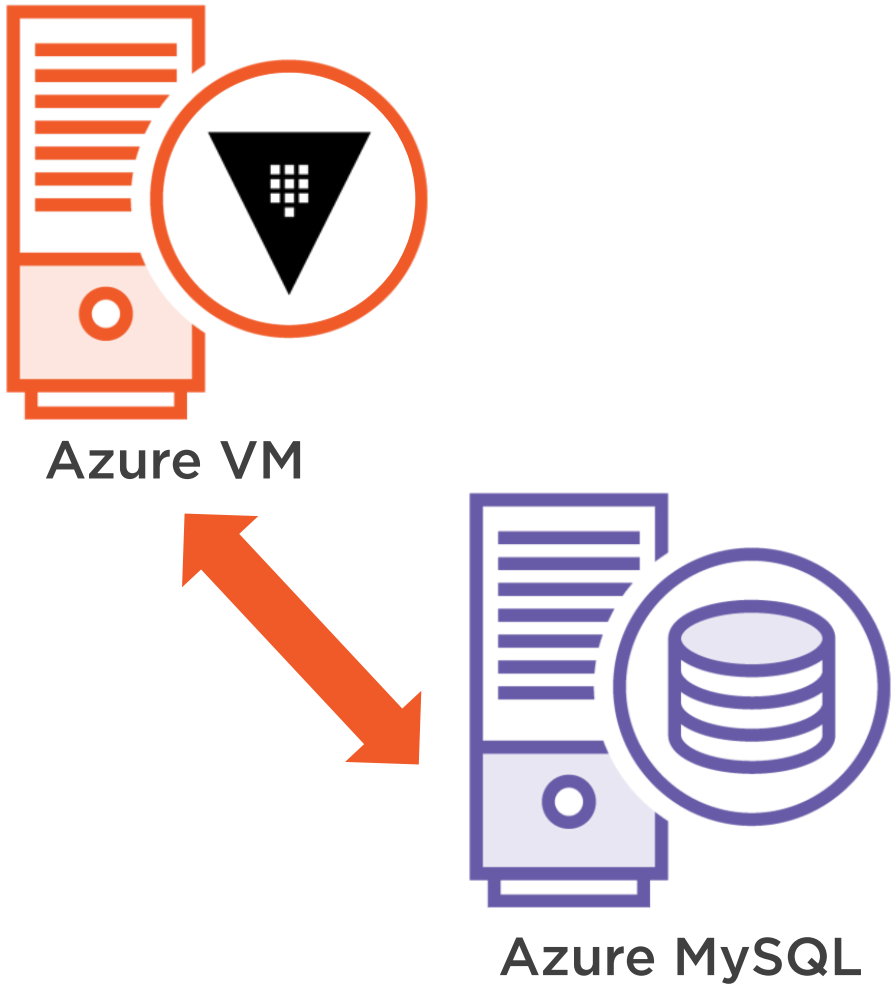
Distributed key shares

Cloud auto unseal

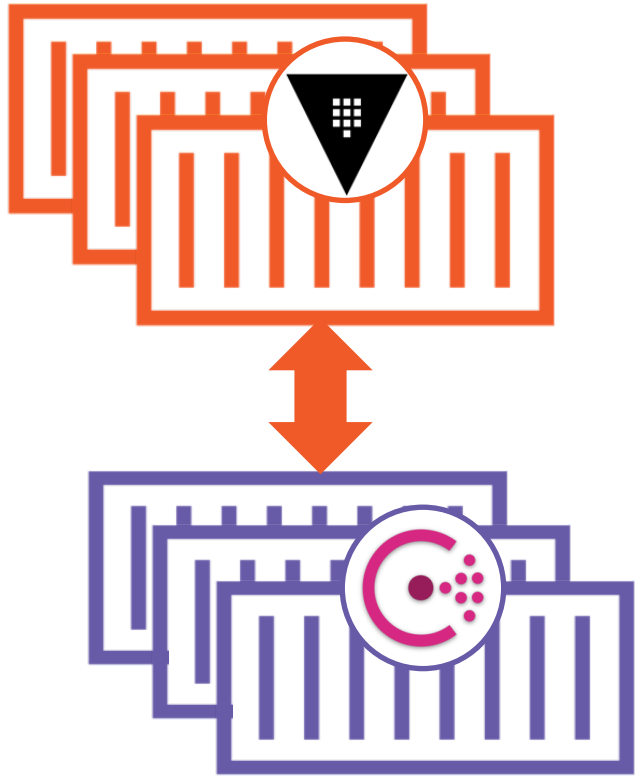
Globomantics Scenario



Deployment Models



Azure Kubernetes Service



Demo

Azure subscription

Visual Studio Code

GitHub account

https://github.com/ned1313/Managing-HashiCorp-Vault

Summary

Vault supports multiple deployments

Consider use cases for architecture

Start simple and add complexity

Coming up:

- Deploying Vault Server