

Vault Onboarding Program Closing Thoughts

COBRA Team | HashiCorp Customer Success



Agenda



Onboarding Program Recap

Look back at what we've accomplished the last 10 weeks



Production Readiness

Vault Production Checkpoints



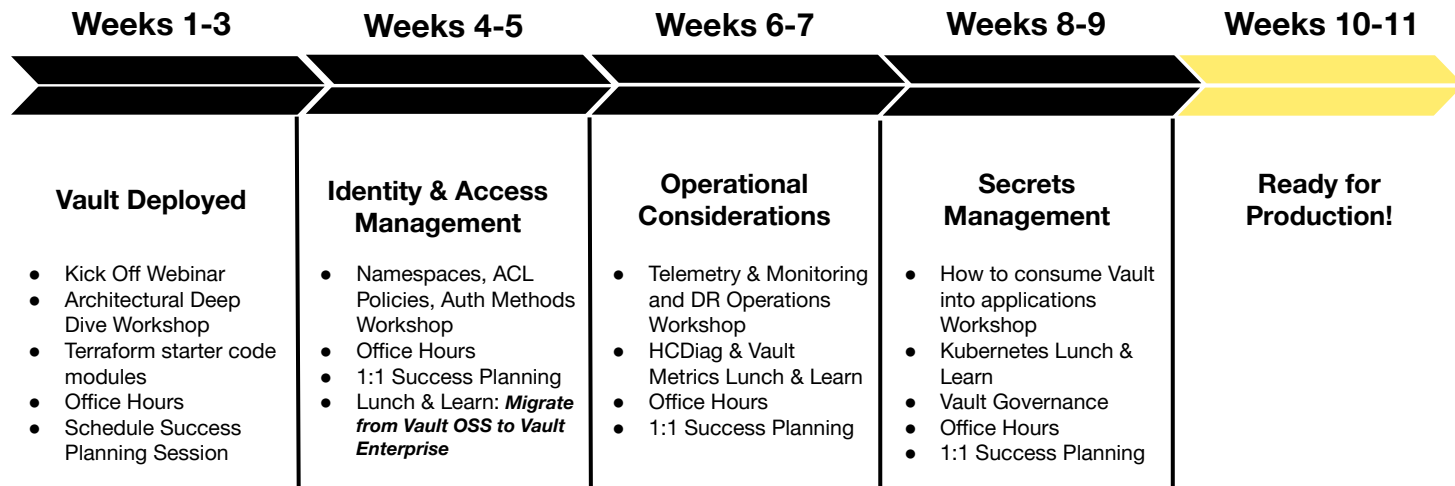
Exit Program Resources

Resources to support your post-program journey



Program Recap

Vault Enterprise Path to Production





Vault Production Checkpoint



Content & Resources

COBRA Vault Onboarding Journey



- Program Intro & Architectural Quickstart (password:
- Workshop - Architectural Deep Dive (password:
- Workshop - Namespaces, Authentication, and Policies (password:
- Lunch and Learn - Migrating from OSS (password:
- Workshop - Operationalizing Vault (password:
- Lunch and Learn - HCDiag & Vault Metrics (password:
- Workshop - Consuming Vault (password:
- Lunch and Learn - Using Vault with Kubernetes (password:
- Workshop - Vault Governance (password:

[All program materials](#)



Production Readiness



Vault Production Readiness



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As a reminder, if you wish to contact us regarding any security-sensitive matter, please responsibly disclose by emailing security@hashicorp.com. PGP information can be found at <https://www.hashicorp.com/security.html>.



	lu...@hashicorp.com	[ANN] Nomad 1.2.4, 1.1.10, and 1.0.16 Released — Nomad 1.2.4, 1.1.10, a...	Jan 19	☆
	jba...@hashicorp.com	Terraform CLI v1.1.3 Released — Today we release Terraform CLI v1.1.3. T...	Jan 6	☆
	meg...@hashicorp.com	Vault 1.9.2 released! — Hi folks, The Vault team is announcing the release ...	12/21/21	☆
	meg...@hashicorp.com	Vault 1.8.7 released! — Hi folks, The Vault team is announcing the release ...	12/21/21	☆
	meg...@hashicorp.com	Vault 1.7.8 released! — Hi folks, The Vault team is announcing the release ...	12/21/21	☆
	Krista LaFentres	Terraform CLI v1.1.1 released — Hello everyone! Today we released Terraf...	12/15/21	☆
	tgr...@hashicorp.com	Nomad 1.2.3 released — Nomad 1.2.3 Security Release Nomad 1.2.3 has b...	12/13/21	☆



Vault Production Readiness



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Security ▾ Security-Vault ▾ | Latest Top

Topic	Replies	Views	Activity
HCSEC-2021-34 - Vault, Consul, Boundary, and Waypoint Affected By Denial of Service in Golang's net/http (CVE-2021-44716) Security security-vault, security-consul, security-waypoint, security-boundary	0	487	Dec '21
HCSEC-2021-33 - Vault's KV Secrets Engine With Integrated Storage Exposed to Authenticated Denial of Service Security security-vault	0	487	Dec '21
HCSEC-2021-30 - Vault's Templated ACL Policies Matched First-Created Alias Per Entity and Auth Backend Security security-vault	1	983	19d



Vault Production Readiness



- Architecture and Infrastructure
- Vault Operations and Infrastructure Security
- Business Continuity
- Vault Policy and Configuration



Vault Production Readiness



● Architecture and Infrastructure

- Is the cluster architecture aligned with the reference architecture?
 - [Consul Storage Reference Architecture](#)
 - [Integrated Storage Reference Architecture](#)
 - Are the nodes configured across multiple AZs / failure zones to provide resilience in accordance with your uptime requirements?
 - Are the [nodes sized appropriately \(RAM and CPU\)](#)?
 - Does the cluster have provisioned IOPS (Integrated Storage)?
- Is there less than 8 milliseconds of latency between Vault servers?



Vault Production Readiness



Architecture and Infrastructure - continued

- Have high availability best practices been followed?
 - Has a process been identified and implemented to handle the lifecycle of the TLS certificates used on Vault Server listeners and load balancers?
 - How is DNS Implemented? Are appropriate TTL's configured that allow for failover that meet RTO Objectives
 - What is the validity period of TLS certificates? Is it rational?
 - Does the load balancer configuration follow [best practices](#)? Is TLS terminated on the Vault cluster?
 - Is the renewal reminder for TLS certificates a scalable process, i.e. more than a calendar entry in a single location?



Vault Production Readiness



● Vault Operations and Infrastructure Security

- Is root token creation restricted and monitored?
- Does the team managing Vault have runbooks and processes for all key administrative tasks?
 - Upgrading Vault
 - Executing DR failovers in Vault
 - Reissuing unseal/recovery key shares
 - Rotating Vault's master encryption key
 - Rotating any auto-unseal/seal-wrap mechanism's key (if applicable)
 - Generating root tokens
- Have the [production hardening recommendations](#) been reviewed and implemented in the environment?
- Is the running version of Vault currently supported? N-2 window from [latest release](#)?



Vault Production Readiness



● Business Continuity

- Have runbooks been created and tested to validate the ability to meet the Recovery Time Objective?
 - Have [snapshots been enabled](#) in alignment with the desired Recovery Point Objective?
 - Has [recovery from a snapshot](#) been tested and the process documented?
 - Is there alerting in place if snapshots fail?
- Have alerts been created on the following parameters?
 - Disk space alerting on instance
 - Disk space alerting on audit points
 - Log monitoring/alerting for warn/errors
 - Draught/absence alerts on log outages/stoppages
 - RAM utilization alerting
 - CPU utilization alerting



Vault Production Readiness



● Vault Policy and Configuration

- Are policies least-privilege?
- Are policies tested in a negative fashion, ie, ensure that a token with this policy can do what it allows but also prevents more access than intended?

● [Production Readiness Checklist](#)

● [Adopting Vault](#)



Post Program Support

Post-program support



Post onboarding, you can leverage these areas for continued assistance



1:1 Success Planning Session

Schedule a 1:1 Success Planning session with your CSM today to capture your production goals



Support

Support will continue to be your resource for resolving technical challenges



HashiCorp Discuss

Join the conversation over on our Discuss page! It is an active forum with contributions from product teams at HashiCorp.



Webinar Recordings

All recordings of the past workshops will be hosted on a video platform for ongoing education and learnings.



Quarterly Product Updates

Tune in for a Quarterly webinar where we review the latest feature updates and planned releases. Your feature request might be featured!



CSM Support

Our Customer Success team will continue partnering you to provide continued assistance post-program.

Post-program support from CS



Customer Success Managers (CSM)

Account & Success Management

- Invitations to future seminars and lunch and learn sessions
- Customer advocate to connect you with internal resources at HashiCorp on any product or architectural questions
- Collaborate on pertinent adoption milestones on your post-program journey
- Partner with you on your success plan to help you meet your production goals

Customer Success Architect (CSA)

Technical Success & Advisory

- Technical enablement through lunch and learns, tech talks, and webinars that will include enablement on technical topics, new features, and recommended patterns.
- Technical advisement as-needed on topics including reference architectures, recommended patterns, and feature adoption.



HashiCorp Events

Visit our events page for future events to live webinars, virtual workshops and other training courses

The screenshot displays the HashiCorp Events page. At the top is a navigation bar with the HashiCorp logo and links for Products, Solutions, Company, Partners, Events, Resources, Success & Support, and a Contact sales button. Below the navigation bar are three event cards:

- HashiConf Global** (OCTOBER 19 & 20): A large event featuring product updates, technical sessions, workshops, and more. A "Register Now" button is at the bottom.
- How Comcast Runs Consul Service Mesh on Amazon ECS** (OCT 6 | LIVE WEBINAR): A webinar explaining how Consul service mesh works and integrates with Amazon ECS to streamline workflows. A "Register Now" button with a right arrow is at the bottom.
- Terraform Cloud on AWS + Controlling Cloud Costs** (OCT 13 | VIRTUAL WORKSHOP): A hands-on workshop focused on minimizing cloud waste. A "Register Now" button with a right arrow is at the bottom.

<https://www.hashicorp.com/events?type=all>

Upcoming Events



HashiTalks 2022

The 24-hour HashiTalks is back for its fourth edition on Thursday, February 17. Tune-in to hear from and learn with fellow practitioners.

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Thank You

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