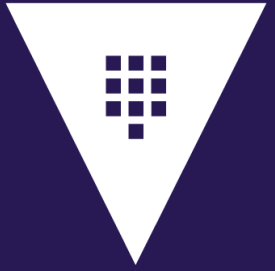




Getting Started with HashiCorp Vault





Who I Am: Bryan Krausen

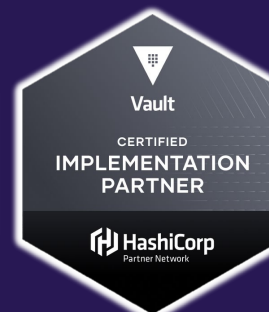
What I Do: Principal Technical Consultant

Where I'm From: Central Kentucky

Why I Teach: Passion for Tech and Education

Experience w/ Vault: 4+ Years

Students: Over 12,000 students with 4.62 rating



Bryan Krausen

*Not Affiliated with HashiCorp

Experience with Vault



Deployed Vault for 20+ Organizations, including:

- Almost 10 Fortune 500 US-based insurance and financial companies
- One of the largest retailers in the United States
- Many eCommerce retailers
- Consulting organizations
- Multiple electric/gas/nuclear services companies

Trained Countless Organizations on Vault:

- Largest home improvement retailer in the US
- Multiple bank and financial companies
- Popular Video game developer



Bryan Krausen

*Not Affiliated with HashiCorp

Experience with Vault



Work on HashiCorp's Virtual Bench

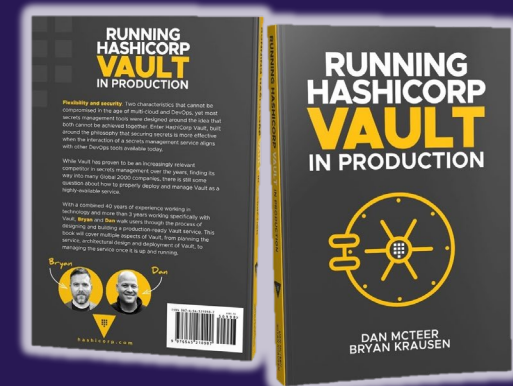
- Work alongside HashiCorp Implementation Team (2019-present)

Helped Develop HashiCorp Certification Content

- Vault SME for Vault Professional exam development (2021)

Co-Authored Running HashiCorp Vault in Production

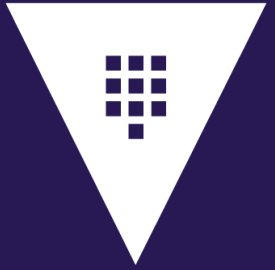
- First Vault book on the Market (2020)
- Available on Amazon and Gumroad.com



Bryan Krausen



Engaging with the Community



Presented at HashiConf Conference

- Seattle 2019 – Ensuring Cross Cloud, High Availability for Your Applications
- Online 2020 (EU) – Certification Panel
- Online 2020 – HashiCorp Vault – Zero to Hero

Featured on HashiCorp's HashiCast

- Deploying and adopting HashiCorp Vault at scale! (2020)



Presented at 8 different HashiCorp User Groups (HUGs)

- Mostly Midwest US but a few others as well

Bryan Krausen





Follow Me on Twitter
[@btkrausen](#)



User: @btkrausen
github.com/btkrausen/hashicorp



Use the Q&A to ask questions
Use message platform for private conversations



Sign up for my Newsletter
<https://krausen.io>

Keep in Touch!

Bryan Krausen



Course Objectives

Introduction and understanding of HashiCorp Vault, including topics such as:

- the core concepts of HashiCorp Vault
- key components that make up the Vault platform
- where Vault fits in with your security and DevOps practices
- how to deploy a single cluster for high-availability
- integrating Vault with internal and public cloud platforms
- securing Vault with policies for role-based access control (RBAC)
- understanding how to manage Day 2 operations



Prepare students for the HashiCorp Certified: Vault Associate Exam



Training Format

Lecture & Slides

- Provide basis for discussion and topic at hand
- Make sure students understand terms and definitions
- Will set the stage for Vault lab environment
- Will attempt to be short and to the point

Vault Lab Environment

- Hands-on discussions using one or more Vault clusters
- For the most part, demos will use Vault CLI and UI
- Vault will be deployed on AWS for lab environments



Course Content



Slides

Available in PDF
in Each Section



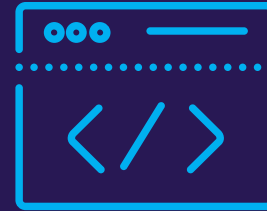
Resources

References Links
Available in Each
Section



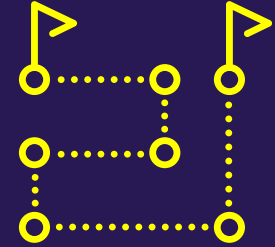
Mind Map

PDF of a Mind
Map for Each
Section



Lab Guides

PDF of Each Lab
Demonstration



Quiz

Quizzes Test Your
Understanding



Course Updates

- Will update the course as frequently as possible, as needed
- I proactively monitor the certification sites for changes
- New or updated content will be posted, and an announcement will be sent to students
- If you have feedback, please send me a message through the learning platform



About the Exam



EXAM DETAILS

- Type – Multiple Choice Questions*
- Duration – 1 Hour
- Language – English
- Remotely Proctored Exam
- Immediate Pass/Fail Feedback
- Certification Valid for 2 Years
- Acclaim Badged
- Cost: \$70.50 USD



EXAM CONTENT

- Vault 1.4 or Higher
- Tested on (10) Exam Objectives
- Prerequisites include:
 - Basic terminal skills
 - Basic understanding of on-premises or cloud architecture
 - Basic level of security understanding



Exam Objectives

General Introduction and Use Cases

1

Compare Authentication Methods

2

Create Vault Policies

3

Assess Vault Tokens

4

Manage Vault Leases

5

Compare & Configure Secrets Engines

Utilize Vault CLI

6

Utilize Vault UI

7

Be Aware Of The Vault API

8

Explain Vault Architecture

9

Explain Encryption As A Service

10



Additional Resources

Official Resources

- hashicorp.com/certification/vault-associate
- <https://learn.hashicorp.com/tutorials/vault/associate-study>
- vaultproject.io/docs
- vaultproject.io/api-docs

Community Resources

- This course :)
- My HashiCorp Certified: Vault Associate Practice Exam course
- Ned Bellavance – Vault Certification Series - youtube.com/c/NedintheCloud
- Preparation Guide - leanpub.com/vault-certified





Let's Get Started





END OF SECTION