



Onboarding Applications to Vault

Best practices from the field

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This presentation ---> <https://bit.ly/2SojvYn>



Agenda

- Challenge
- Key milestones
- Solution approach
- Demo
- Q/A

About HashiCorp

Leading Cloud Infrastructure Automation

Our software stack enables the [provisioning](#), [securing](#), [connecting](#), and [running](#) of apps and the infrastructure to support them.

We unlock the cloud operating model for every business and enable their digital transformation strategies to succeed.

Founded

2012

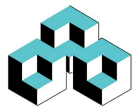
Employees

1200

Funding

349M





INITECH

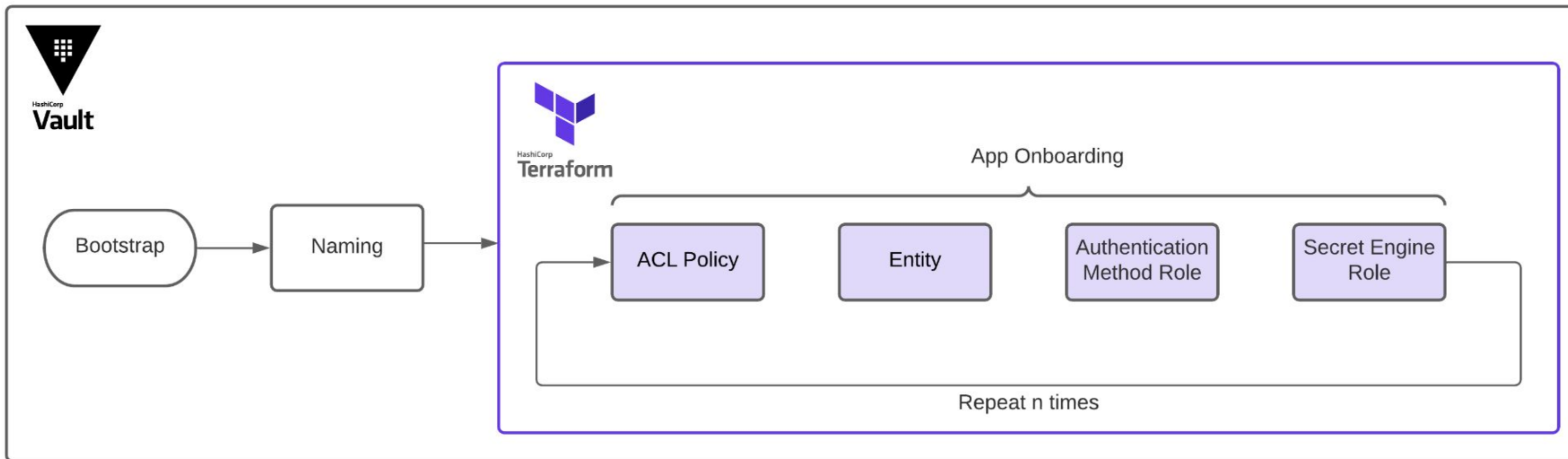
Onboarding challenges

- Variety of Vault use-cases
- Manual or semi-scripted operations
- Application Integration options

**Yeah...
You're going
to have to
release faster!**



Key adoption milestones

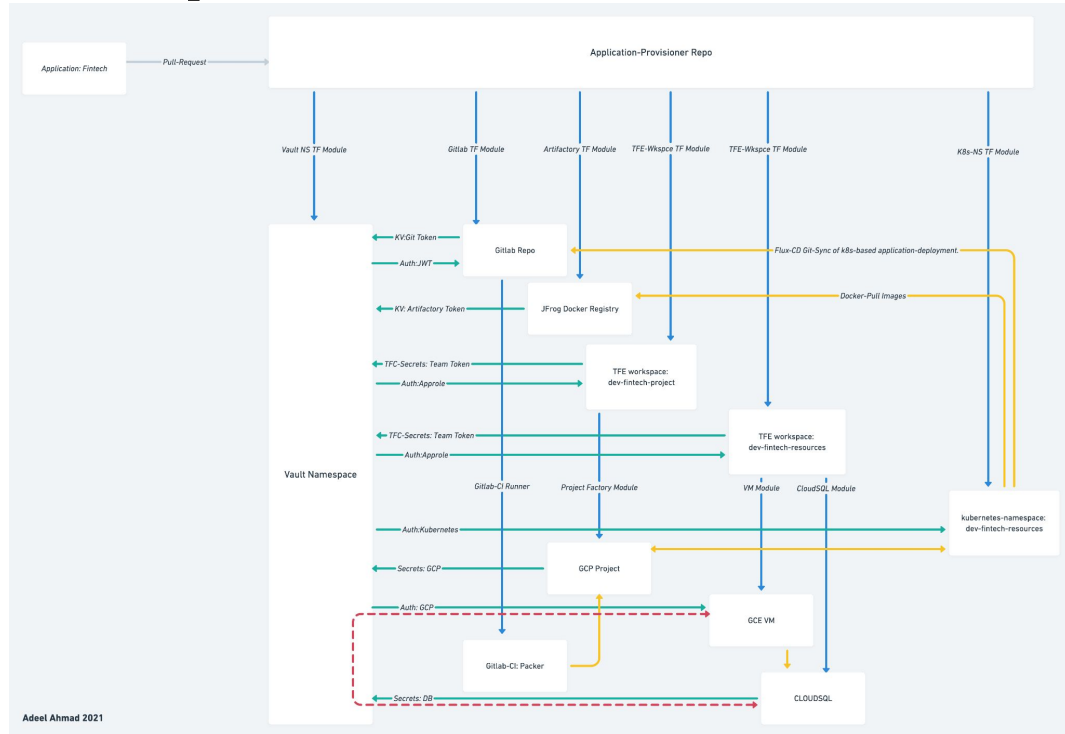


Solution approach



- Use an IaC approach
 - [Demo terraform repository](#)
 - [Example modules](#)
- Establish naming conventions early
- Pre-create Identity/Entity objects
- Leverage Vault ACL Policy templates

Comprehensive Solution



<https://whimsical.com/application-onboarding-flow-Kx|TWEtG4x|Le6giNfPSwQ>

Quick demo ...



- <https://github.com/hashicorp/vault-guides/tree/onboarding-terraform/operations/onboarding>
- Create Vault configurations based on an application entities variable

Resources



Vault-guides repo	https://github.com/hashicorp/vault-guides/tree/master/operations/onboarding
Blog post	Coming soon! Please follow: https://medium.com/hashicorp-engineering
Adeel Ahmad framework	<ul style="list-style-type: none">• Terraform modules• https://whimsical.com/application-onboarding-flow-KxJTWEtG4xJLe6giNfPSwQ• https://whimsical.com/application-left-to-right-flow-CGNrPVG3gqbdoDbZo7GsQG
ACL templating for the Kubernetes Auth method	<ul style="list-style-type: none">• Recommended Pattern: Vault ACL Policy templates

Summary and Q/A



Efficiency of operators to manage secrets



Optimize secrets access and storage



Control secret access and downtime



Minimize exposure



Thank you



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