



Entrust CA Gateway HashiCorp Vault Plugin

THE CHALLENGE:

The need for a manageable, trusted source of identities in a dynamic infrastructure that meets regulatory compliance requirements

Centralizing secrets management across the organization enables uniform policy enforcement and facilitates auditing / regulatory compliance, but still may not be able to generate certificate-based identities that meet high security needs of most regulated industries.

Although you may already have a PKI environment that meets the compliance requirements, it may not be integrated with your secrets management solution.

THE SOLUTION:

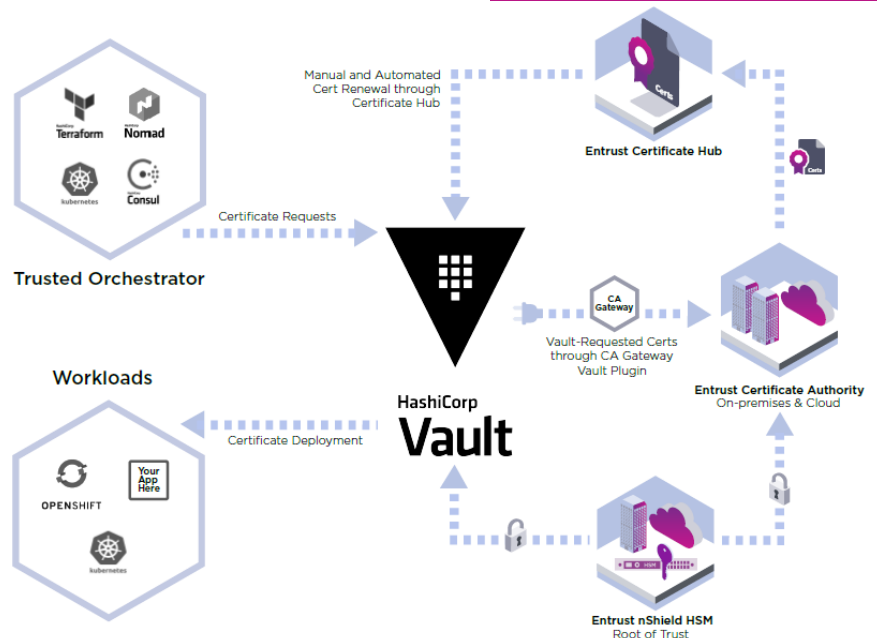
Connect your PKI investment into HashiCorp Vault to gain visibility into and effectively manage PKI secrets

By integrating your PKI with the Entrust CA Gateway HashiCorp Vault Plugin you can access all your public and private certificates. Vault continues to act as a single distribution and access point, enabling you to utilize the wide array of DevOps automation supported by Vault. Under the covers, the Entrust plugin acts as a conduit and connection between Vault and your portfolio of Certificate Authorities. This gives you the best of both worlds. World-class DevOps and world-class certificate issuance and policy management.

With the addition of Entrust Certificate Hub you can centralize your complete certificate inventory, providing full visibility and control from a single enforcement point.

Key Benefits

- **Streamline** the certificate request, approval and provisioning process within HashiCorp Vault
 - **Gain visibility** into your complete certificate inventory
 - **Link** certificates to users
 - **Renew** TLS/SSL certificates
 - **Manage** the certificate lifecycle for both **public and private trust certificates**
- **Support** for Entrust, Microsoft and other private CA certificates
- **Help enforce compliance** with internal guidelines and external policies
- **Cater to high security assurance requirement cases** with support for **FIPS certified Hardware**



HOW IT WORKS

Using the Entrust CA Gateway HashiCorp Vault Plugin, Vault certificate requests are connected to your external, high security Certificate Authority (CA). Certificates are issued by your existing CA and then transmitted back to HashiCorp Vault for storage and automated distribution to required endpoints. Certificates created through Vault are visible in Entrust's management console and are subject to your organization's policies and controls, whether your CA is self-managed, hosted in your own cloud or managed and hosted by Entrust in our cloud.

- Leverage your PKI – whether on-premise, cloud-managed, public or private, or a combination - all with a single integration. With this integration, CA Gateway acts as a single distribution and access point for all of your certificate needs.
- Add/Centralize certificate management as part of your Vault Secrets Management so you can secure, store and tightly control access to certificates, making them available through the same user interface, command line input, or HTTP APIs you are using for tokens, passwords and encryption keys for protecting secrets and other sensitive data.
- Carryover the compliance and policies from your PKI deployment into your Vault deployment
- Achieve high level security assurance with FIPS certified hardware support.

This HashiCorp certified plugin allows Vault customers to use a familiar interface to manage their existing certificate infrastructure, improving the visibility and manageability of the certificate infrastructure lifecycle.

WHY USE HASHICORP VAULT

Manage Secrets and Protect Sensitive Data

HashiCorp Vault is a tool for securely accessing secrets. A secret is anything that you want to tightly control access to, such as API keys, passwords, or certificates. Vault provides a unified interface to any secret, while providing tight access control and recording a detailed audit log using a UI, CLI, or HTTP API.

About HashiCorp

HashiCorp is a leader in multi-cloud infrastructure automation software. The company's technology suite enables organizations to adopt consistent workflows to provision, secure, connect, and run any infrastructure for any application. HashiCorp open source tools are broadly adopted by Global 2000 companies, promoting collaboration, operations, governance, and multi-data center functionality.

hashicorp.com



About Entrust

Consumers, citizens, and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services, or logging onto corporate networks. Entrust offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports, and ID cards to the digital realm of authentication, certificates, and secure communications. With more than 2,500 Entrust colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

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