



Ping Identity DevOps

A Vault Quick Start Guide

Pre-Requisites

In order to complete this quick start, please ensure that you have completed steps in the Ping Identity DevOps - A Docker Quick Start Guide.

<https://bit.ly/ping-devops-docker-quickstart-pdf>

Install Hashicorp Vault

Vault

<https://www.vaultproject.io/downloads>

Identity a Hashicorp Vault Variables

VAULT_ADDR - Required URL of your vault (i.e. <https://vault.example.com:8200>)

VAULT_SECRET_PREFIX - Optional path prefix to your secrets

VAULT_CACERT - Optional file with CACERT of your vault if self-signed cert.

Configure ping-devops to use Hashicorp Vault

Once you know your vault settings, add those to the ping-devop config. Note: Requires version 0.6.7 or later.

```
$ ping-devops config
```

Get Vault Token

If you have a kubernetes environment with a `vault-agent-injector` deployment, you may get your vault token with is command:

```
$ ping-devops vault get-token
```

Or, if you have a GUI login to your vault, download your token to the file `~/.vault-token`

Accessing your Vault with ping-devops aliases

```
vhelp                                # Obtain following list
ping-devops vault get-token          # Gets a new vault token
vtoken                              # print current token
info
vls      {secret}                    # Lists secrets
vget     {secret}                    # Gets secret
vput     {secret} name=val @data.json # Creates/updates secret
vpatch   {secret} name=val @data.json # Updates/adds/remove
vdelete  {secret}                    # Deletes secret
```

Example Commands

The following set of commands creates, updates, gets and deletes a set test-secret.

```
ping-devops vault get-token    # Gets token

vput test-secret A=B C=D      # Creates test-secret name/val

vpatch test-secret E=F        # Adds name/val to test-secret

vget test-secret               # Prints out test-secret name/val

vdelete test-secret           # Deletes versions of test-secret
```

The following set of commands generates a secret ping-licenses and adds evaluation licenses, pingdirectory.lic and pingfederate.lic.

```
ping-devops generate license pingfederate \
    | vput ping-licenses pingfederate.lic=-

ping-devops generate license pingaccess \
    | vpatch ping-licenses pingaccess.lic=-

vget ping-licenses
```

The following commands generate your DEVOPS_USER and DEVOPS_KEY into a devops.env secret and subsequently get's the secret.

```
vput devops.env PING_IDENTITY_DEVOPS_USER=${PING_IDENTITY_DEVOPS_USER} \
    PING_IDENTITY_DEVOPS_KEY=${PING_IDENTITY_DEVOPS_KEY}

vget devops.env
```