

# Creating Policies with the Vault CLI



**Ned Bellavance**

HashiCorp Certified Instructor

@nedinthecloud | nedinthecloud.com



# Vault CLI Basics

```
$ vault -h
```

```
Usage: vault <command> [args]
```

Common commands:

read	Read data and retrieves secrets
write	Write data, configuration, and secrets
delete	Delete secrets and configuration
list	List data or secrets
login	Authenticate locally
agent	Start a Vault agent
server	Start a Vault server
status	Print seal and HA status
unwrap	Unwrap a wrapped secret



# Environment Variables

# Vault Server Address

VAULT\_ADDR="https://vault.yolo.local:8200"

# Vault Token

VAULT\_TOKEN=hvs.NJI87YHJHY78UHJU87678UJHGY678



# Policy Commands

# Create or update a policy

```
vault policy write NAME PATH
```

```
vault policy write secrets-admins secrets-admins.hcl
```

# List policies

```
vault policy list
```

```
vault policy list -format=json
```

# Read a policy

```
vault policy read NAME
```

```
vault policy read secrets-admins
```



# Policy Commands

# Remove a policy

```
vault policy delete NAME
```

```
vault policy delete secrets-admins
```

# Format policy file

```
vault policy fmt PATH
```

```
vault policy fmt secrets-admins.hcl
```



**Vault does not keep  
versions of policies or have  
an undelete function**



# Policy Creation



**Gather requirements**



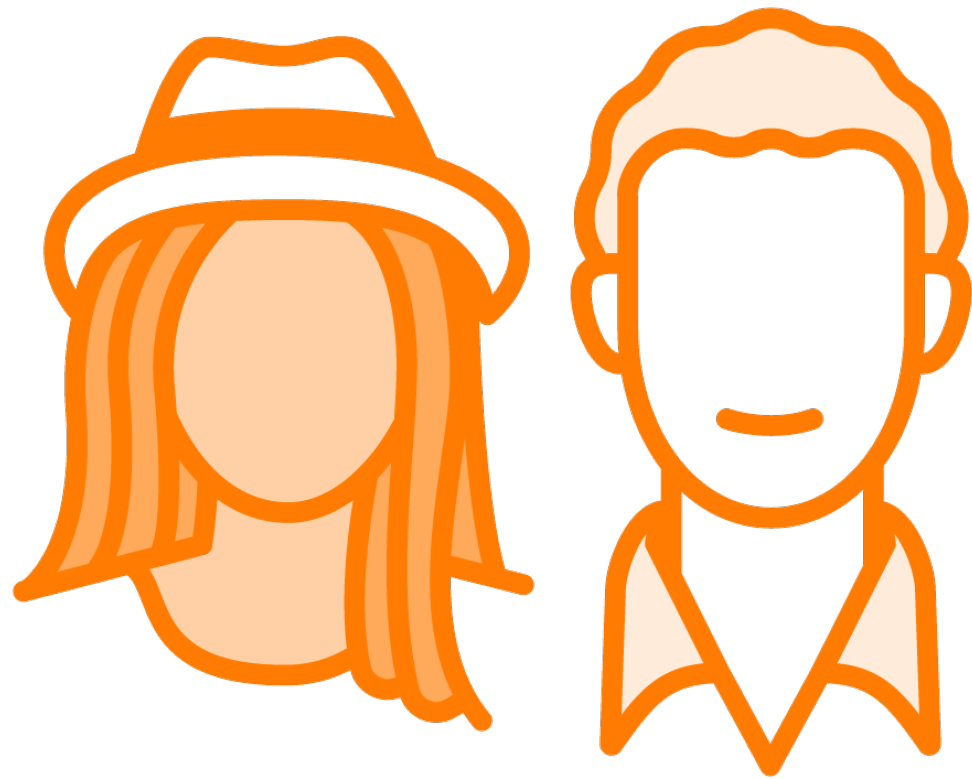
**Write the HCL**



**Test the policy**



# Auth Methods Management



**Group named security-team**

**Existing vault-admins policy**

**Manage auth methods**

- Mount, tune, and disable
- Configure auth method properties

**Rename policy to security-team**

