# Controlling Access in Vault



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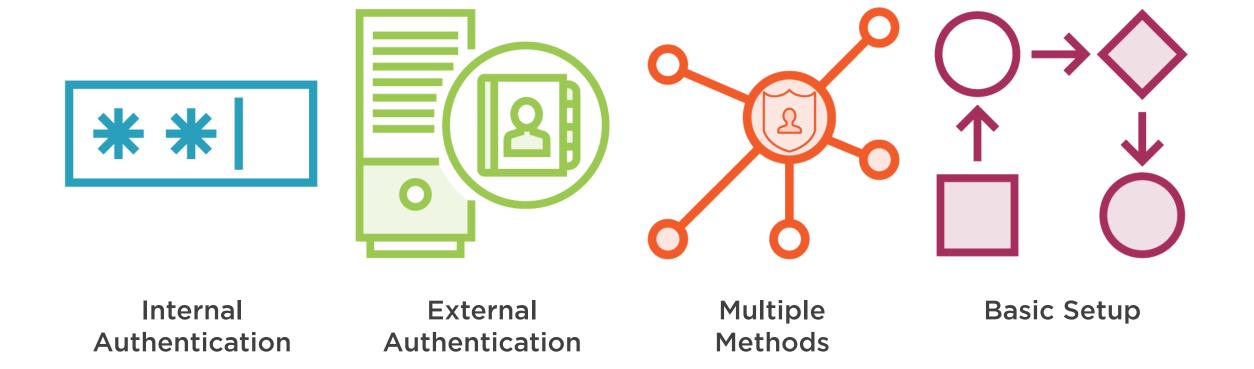
### Overview



Using authentication methods
Creating and applying policies
Managing client tokens



#### Authentication Methods

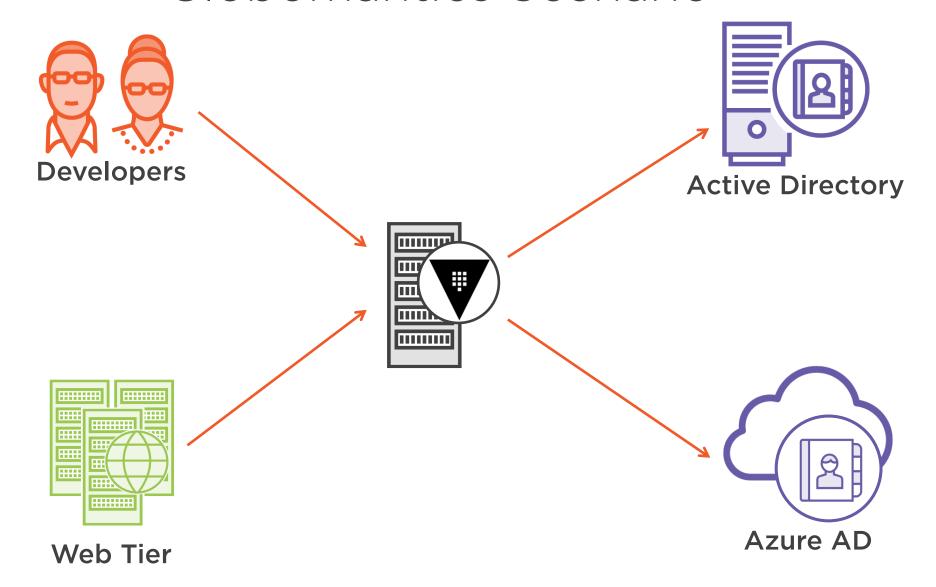


### Working with Auth Methods

#Enable an auth method vault auth enable [method] #Write the config to an auth method vault write auth/[method]/config #Add a role to the auth method vault write auth/[method]/role/[role name] #Disable an auth method vault auth disable [method]



### Globomantics Scenario



#### Vault Policies



Who, what, and how

**HCL or JSON (mostly HCL)** 

Variables for identity

**Specify parameters** 

Default and root policies



### Policy Document

```
path "path of secret data/[*]" {
 capabilities = ["create", "read", "update"...]
 required parameters = ["param_name"]
 allowed parameters = {
  param name = ["list","of","values"]
 denied parameters = {
  param name = ["list","of","values"]
```

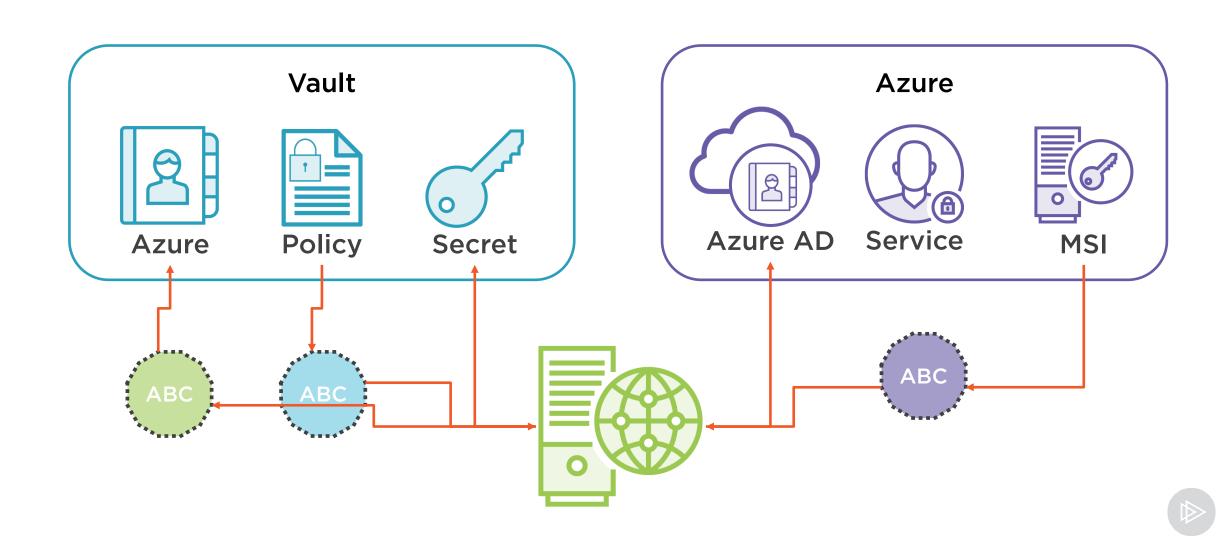


### Working with Policies

```
#List all policies
vault policy list
#Create a policy
vault policy write [policy] [policy file.hcl]
#Update a policy
vault write sys/policy/[policy] policy=[policy_file.hcl]
#Delete a policy
vault delete sys/policy/[policy]
```



### Azure AD Auth



### Client Tokens









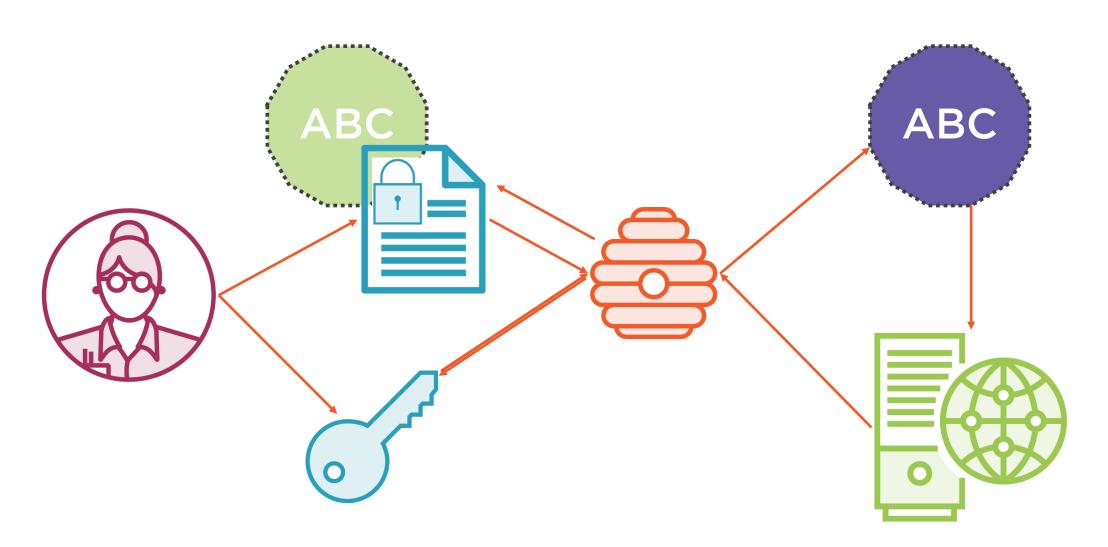








## Response Wrapping





#### Conclusion



Authentication is all about tokens

Policies are added to tokens

Tokens are the foundation of Vault access

Coming up:

- Operating Vault Server

