1. sudo yum install -y yum-utils shadow-utils
2. sudo yum-config-manager --add-repo https://rpm.releases.hashicorp.com/AmazonLinux/hashicorp.repo
3. sudo yum -y install vault
4. Verify —> whereis vault , if it is found at /usr/bin location then env variable is set
5. Run vault command , you can see available commands

If you want to set vault as env variable :

echo $PATH ## you get the paths like example /usr/local/bin , /usr/bin etc

Move the vault package to one of this above location

For DEV MODE :

Vault server -dev

You can see similar value end of page when you run vault server -dev

Change , export VAULT_ADDR='http://127.0.0.0:8080' run this in duplicate tab

For Production Purpose :

Step 1 : Creating Configuration File

Write configuration file and specify storage backend

Backends are for ex : file (local backend)

Consul , aws s3 , azure etc

At Directory for example : mkdir vault-exp , i am creating at /home/ec2-user

Pwd : /home/ec2-user/vault-exp , named the filename as demo.hcl

```
storage "file" {
  path    = "/home/ec2-user/vault-exp/vault-data"
}

listener "tcp" {
  address     = "0.0.0.0:8200"
  tls_disable = 1
}
```

ui = “true” ### for ui to be enabled

#####Path = “/home/ec2-user/vault-data

####path we can provide vault automatically creates the path when we mention the path , we dont need to create the path ##

Step 2: start vault server from configuration file

https://developer.hashicorp.com/vault/docs/configuration refer

vault server -config demo.hcl

Step 3 : Initialize vault

export VAULT_ADDR="http://127.0.0.1:8200"

$ vault operator init

[root@ip-172-31-35-103 ec2-user]# vault operator init
Unseal Key 1: v1Y64aXnwy1DThU3NfHm+fAowY8mfVtG010kXZuxqXfq
Unseal Key 2: y6VaFd90T6MQafq1KmjxN3X3dqYK4AolunnH/A3wqUai
Unseal Key 3: fXgXQ3m/b7oHDvJkli2IT8r+hDVo/Ik70LW4IcyEVzLo
Unseal Key 4: sPeX/XpuAqi/jEHflQ0+JI6+cg8ArPjH1CkKnP4ciAWO
Unseal Key 5: XFFy6w4D8m3OOXahQh4xG4M3qx9zjzG5EyeVC8lBmhHH

Initial Root Token: hvs.Vs19Hqa36qtuVBIccn8dHwlj

we get 5 tokens - unseal keys , one root token

Step 4 : unseal the Vault

vault operator unseal

copy and paste 3 unseal keys out of 5 generated to unlock

$ vault login root_token_id

netstat -ntlp —---------->>>>>>>>>::: to check wheter port is mapped or not

$ http://publicip:8200

We can access vault