read	Read data and retrieves secrets	
	vault read [options] PATH vault read secret/my-secret	Reads data from Vault at the given PATH
write	Write data, configuration, and secrets	
wiice	vault write [options] PATH K=V K=- K=@file	Writes data (key/value pairs) to Vault at the given PATH.
	vault write secret/my-secret foo=bar tom=jerry	If value begins with @ it is loaded from a file
	vault write -f transit/keys/my-key	If value is - it is read from stdin specify -force/-f if there is no data to write
	vault write aws/roles/ops policy=@policy.json echo \$MY TOKEN vault write consul/config/access token=-	
delete	Delete secrets and configuration	
	vault delete [options] PATH	Deletes secrets and configuration at PATH.
	vault delete secret/my-secret	The "delete" behaviour is delegated to backend corresponding to the given path.
	vault delete transit/keys/my-key vault delete aws/roles/ops	
list	List data or secrets	
	vault list [options] PATH	Lists data from Vault at the given path.
	<pre>vault list secret/my-app/</pre>	Can be used to list keys in a given secret engine.
1	Authenticate locally	
login	vault login [-method=TYPE, options] [ARGS K=V]	Authenticates users or machines to Vault using the provided arguments
	vault login -method=userpass username=my-username	-method specifies the auth method,
	Charle a Variation and	use vault auth help TYPE to get details
agent	Start a Vault agent vault agent [options]	Starts a Vault agent that can perform automatic authentication in
	vault agent -config=/etc/vault/config.hcl	certain environments.
server	Start a Vault server	
	vault server [options]	Starts a Vault server that responds to API requests
	<pre>vault server -config=/etc/vault/config.hcl vault server -dev -dev-root-token-id="root"</pre>	By default,
	taata bartar aat aat room ta room	Vault will start in a "sealed" state. The Vault cluster must be initialized
		before use, usually by the "vault operator init" command. Each Vault
		server must also be unsealed using the "vault operator unseal" command or the
		API before the
		server can respond to requests.
status	Print seal and HA status	
	vault status [options]	Prints the current state of Vault including whether it is sealed and
		if HA mode is enabled.
	Harrison a resonant accept	
unwrap	Unwrap a wrapped secret vault unwrap [options] [TOKEN]	Unwraps a wrapped secret from Vault by the given token.
	vaute unwrap [operons] [roken]	If no TOKEN given the current authenticated token is used
audit	Interact with audit devices	21 12 12 12 12 12 12 12 12 12 12 12 12 1
	vault audit disable [options] PATH vault audit disable file/	disable the audit device at PATH
	vault audit list [options]	List all enabled audit devices
	vault audit list -detailed	
	vault audit enable [options] TYPE [CONFIG K=V]	enable an audit device of TYPE
	<pre>where TYPE = file, syslog, socket vault audit enable file file path=/var/log/audit.log</pre>	
	vault audit enable syslog tag="vault" facility="AUTH"	
	vault audit enable socket address=127.0.0.1:9090 socket_type=tcp	
auth	An auth method is responsible for authenticating users or machines as vault auth list [options]	Lists the enabled auth methods
	vault auth list -detailed	mists the enabled auth methods
	vault auth enable [options] TYPE	Enables a new auth method of TYPE at -PATH
	where TYPE=approle, alicloud, aws, azure, gcp, cf, github, jwt, kerbe	
	kubernetes, oracle, ldap, okta, radius, cert, token, usern vault auth enable -path=userpass userpass	Da
	vault auth disable [options] PATH	Disables an existing auth method at the given PATH
	vault auth disable userpass/	
	vault auth help [options] TYPE PATH	More detailed help about specific auth TYPES and their usage
	vault auth help userpass	Tunes the configuration options for the auth method at the given PATH
	vault auth tune [options] PATH vault auth tune -default-lease-ttl=72h github/	
debug	Runs the debug command	
	vault debug [options]	Probes a specific Vault server node for a specified period of time,
		recording information about the node, its cluster, and its host environment.
		The
kv	Interact with Vault's Key-Value storage	information collected is packaged and written to the specified path.
	For KEY secret/a/b/foo, foo is a METADATA header followed by	====== Metadata =======
	zero or more VERSIONED DATA blocks. DATA blocks are key/value pairs.	6.1 #
	PATH a/b/ are directories that only exists due to files (like git).	max_versions 0 # setable
	<pre>vault kv commands operate on latest VERSIONED DATA block. vault kv metadata commands operator on the METADATA header.</pre>	current_version 3 oldest_version 0
	Deleting the metadata, deletes the entire key (and all data).	created_time 2020-11-24T03:23:48.044913Z updated_time 2020-11-24T20:56:21.807882Z
		Version 1
		created_time
		destroyed false data K=V,, K=V
		===== Version 2 =====
		created_time
		destroyed false data K=V,, K=V
		* ****

	vault kv list secret/my-app # list all files under my-app	
	vault kv delete [options] KEY	Deletes the data for the provided version and path in the key-value
	vault kv delete secret/foo # delete latest version of foo vault kv delete -versions=3 secret/foo # delete version 3 of foo	store. The versioned data will not be fully removed, but marked as deleted and
	valit kv delete -versions-3 secret/100 # delete version 3 of 100	will no longer be returned in normal get requests.
	vault kv undelete [options] KEY	Undeletes the data for the provided version and path in the key-value
	vault kv undelete -versions=3 secret/foo	store.
	<pre>vault kv destroy [options] KEY vault kv destroy -versions=3 secret/foo # destroy version 3 of key for</pre>	Permanently removes versions in the KV store
	vault kv enable-versioning [options] KEY	Turns on versioning for the backend at the provided path
	vault kv get [options] KEY	Retrieves data from the KV store
	<pre>vault kv get secret/foo # get latest version of foo vault kv get -version=1 secret/foo # get version 1 of foo vault kv get -field=username secret/foo # get the username field of for</pre>	
	vault kv put [options] KEY K=V K=- @file	Writes data to a new version of KEY. Existing data is ignored
	<pre>vault kv put secret/foo team=operations vault kv put secret/foo @data.json # file contains dictionary vault kv put secret/foo bar=- # value read from stdin</pre>	and the second s
	vault kv patch [options] KEY K=V K=- @file	Merges data into a new version of KEY. Existing data is merged.
	<pre>vault kv rollback [options] KEY vault kv rollback -version=2 secret/foo # make v2 the latest version</pre>	Promote a given version to become the latest version at the given path.
	<pre>vault kv metadata get [options] KEY vault kv metadata get secret/foo # get all versions of foo</pre>	Get all metadata about all versions of the key
	vault kv metadata put [options] KEY	create a blank key in the key-value store or update key configuration for a specified key.
	-cas-required -delete-version-after= <duration></duration>	apade ney configuration for a openification ney.
	-max-versions= <int></int>	
	vault kv metadata delete [options] KEY vault kv metadata delete secret/foo # delete all versions of foo	Permanently deletes all versions and metadata for the provided key.
lease	Interact with leases	
	<pre>vault lease renew [options] ID vault lease renew -increment=120 database/creds/readonly/2f6a614c</pre>	Renews the lease on a secret, extending the time that it can be used before it is revoked by Vault
	vault lease revoke [options] ID	Revoke a lease by ID or prefix
	vault lease revoke -prefix aws/creds/deploy	
monitor	Stream log messages from a Vault server vault monitor [options]	stream log messages of a Vault server
	vault monitor -log-level=trace	Stream 10g medbaged of a value berver
namespace	Interact with namespaces	
	<pre>vault namespace list [options] vault namespace list</pre>	list all namespaces
	vault namespace lookup [options] PATH vault namespace lookup ns1/	looup an existing namespace
	vault namespace create [options] PATH	create a namespace
	vault namespace create ns1/ vault namespace delete [options] PATH	delete a namespace
	vault namespace delete ns1/	
operator	Perform operator-specific tasks	
	<pre>vault operator init [options] vault operator init -key-shares=8 -key-threshold=6</pre>	Initializes backend for the first time. Shamir's secret sharing algorithm is used to split a newly generated master key into the specified number of key shares such that the specified subset of thos key shares must come together to regenerate the master key. The share are called "unseal keys"
	<pre>vault operator generate-root [options] [KEY] * see detailed section</pre>	Generates a new root token by combining a quorum of share holders.
	vault operator rekey [options] [KEY] * see detailed section	Generates a new set of unseal keys. This operation is zero downtime, but it requires the Vault is unsealed and a quorum of existing unseal keys are provided.
	vault operator migrate [options] vault operator migrate -config=migrate.hcl	migrate Migrates Vault data between storage backends. Operates directly on encrypted data and does not require a Vault server nor unsealing.
		raft Interact with Vault's raft storage backend
	vault operator key-status [options]	Provides information about the active encryption key. Specifically, the current key term and the key installation time.
	vault operator rotate [options]	Rotates the underlying encryption key which is used to secure data
		written to the storage backend. This installs a new key in the key ring. This
		new key is used to encrypted new data, while older keys in the ring are
		used to decrypt older data. This is an online operation and does not cause
		downtime.
		Forces Vault server to step-down from leader to standby
	vault operator step-down [options]	
	vault operator seal [options]	Seals the Vault server. It will no respond unless unsealed.
path-help		
path-help	vault operator seal [options] vault operator unseal [options] Retrieve API help for paths vault path-help [options] PATH	Seals the Vault server. It will no respond unless unsealed.
	vault operator seal [options] vault operator unseal [options] Retrieve API help for paths vault path-help [options] PATH vault path-help database/roles/	Seals the Vault server. It will no respond unless unsealed. Unseals the Vault server using Unseal Keys
path-help	vault operator seal [options] vault operator unseal [options] Retrieve API help for paths vault path-help [options] PATH	Seals the Vault server. It will no respond unless unsealed. Unseals the Vault server using Unseal Keys

	vault plugin info [options] TYPE NAME vault plugin info database mysql-database-plugin	Display information about a plugin in the catalog with the given NAME
	vault plugin list [options] [TYPE]	Lists available plugins registered in the catalog
	vault plugin register [options] TYPE NAME vault plugin register -sha256-d3f0a8b auth my-custom-plugin	Register a new plugin in the catalog
	vault plugin reload [options] vault plugin reload -plugin=my-custom-plugin vault plugin reload -mounts=xyz	Reload mounted plugin. Either name or mount(s) must be provided, but not both. Specify -scope=global for replicated reloads
	vault plugin reload-status RELOAD_ID vault plugin reload-status d60a3e83	Retrieves the status of a recent cluster plugin reload.
policy	Interact with policies	
	vault policy delete [options] NAME vault policy delete my-policy	Deletes the policy named NAME in the Vault server. Tokens using this policy are affected immediately.
	vault policy fmt [options] PATH vault policy fmt my-policy.hcl	Overwrite the file at the given PATH with the properly-formatted policy file contents.
	vault policy list [options]	Lists the names of the policies that are installed on the Vault server.
	<pre>vault policy read [options] NAME vault policy read my-policy</pre>	Prints the contents and metadata of the Vault policy named NAME
	<pre>vault policy write [options] NAME PATH vault policy write my-policy /tmp/policy.hcl cat my-policy.hcl vault policy write my-policy -</pre>	Uploads a policy with name NAME from the contents of a local file PATi or stdin
print	Prints runtime configurations	
	vault print token	Prints the vault token currenty in use
secrets	Interact with secrets engines	
	vault secrets disable [options] PATH vault secrets disable aws/	Disables a secrets engine at the given PATH All secrets created by this engine are revoked and its Vault data is removed.
	<pre>vault secrets enable [options, -path=PATH] TYPE vault secrets enable -path=amazon aws vault secrets enable -max-lease-ttl=30m database</pre>	Enables a secrets engine of TYPE at PATH If no PATH is specified, type is used
	<pre>vault secrets list [options] vault secrets list -detailed</pre>	Lists the enabled secret engines on the Vault server. A TTL of "system" indicates that the system default is in use.
	vault secrets move [options] SRCPATH DSTPATH vault secrets move secret/ generic/	Moves an existing secrets engine to a new path. Any leases from the old secrets engine are revoked
	<pre>vault secrets tune [options] PATH vault secrets tune -default-lease-ttl=72h pki/</pre>	Tunes the configuration options for the secrets engine at the given PATH
ssh	Initiate an SSH session	
	<pre>vault ssh [options] username@ip [ssh options] where -mode=ca, dynamic, otp vault ssh -mode=otp -role=my-role user@1.2.3.4</pre>	Establishes an SSH connection with the target machine.
token	Interact with tokens	
TOKEN TYPES	Periodic: Renews for a fixed amount of time indefinitly Use Limited: Expires at the end of their last use Orphan: Has no parent. Expires independently when TTL, MaxTTL, use	count expires
	vault token capabilities [options] [TOKEN] PATH vault token capabilities 96ddf4bc secret/foo	Print capabilities of TOKEN for a given PATH (as defined by policies) If no TOKEN is specified the locally authenticated token is used
	vault token create [options] vault token create -ttl=30 -policy=default vault token create -role=token-role vault token create -use-limit=2 vault token create -orphan	Create child token with all POLICIES & PERMISSIONS of current authenticated token unless a subset of policies is specified. Token expires after TTT unless renewed TYPE can be service or batch
	vault token lookup [options] TOKEN -accessor ACCESSOR vault token lookup TOKEN # does not consume usage VAULT_TOKEN=TOKEN vault token lookup # consumes a usage	Displays information about a TOKEN or ACCESSOR. If no TOKEN is specified the locally authenticated token is used
	vault token renew [options] TOKEN -accessor ACCESSOR vault token renew -increment=30m -accessor ACCESSOR	Renews a token's lease, extending the amount of time it can be used.
	vault token revoke [options] TOKEN -self -accessor ACCESSOR vault token revoke -mode=orphan	MODE unspecified, Revoke token and all of the token's children. MODE = orphan, Revoke token only, leaving the children as orphans. MODE = path, Revoke tokens and children from a given path prefix

```
Generate A Root Token
           Start a root token generation (end with vault operator generate-root -cancel)
          vault operator generate-root -init
           >>> OTP
                    WnOHKZq9pC6ElJW6qIQfLmFHAV
          >>> NONCE 03bed1c3-f0bb-7a04-2436-0c461ba9bf43
          Run for each Unseal Key using the same NONCE
           vault operator generate-root -nonce=$NONCE
          >>> ENCODED_TOKEN JEAGDQYRNUAFK1NwFB8FWD85GzQcAiIHCmQ
           Decode the Encoded Token
           vault operator generate-root -otp=$OTP -decode=$ENCODED_TOKEN
          >>> s.IEMKDyuhe5xURnNpJRPodOK2
Rekey a Vault (generate a new master key and shared keys)
           Start a rekey with new values for shares and threshold (end with vault operator rekey -cancel)
           vault operator rekey -init -key-shares=3 -key-threshold=3
                                    Value
           Кеу
                                    7e40b8dd-69d6-fa28-40c3-bd6de319a8ff
           Nonce
           Started
                                   true
          Rekey Progress
New Shares
                                   0/1
                                    .3
          New Threshold
          Verification Required
                                 false
          Run for each Unseal Key using the same NONCE
          vault operator rekey -nonce=7e40b8dd-69d6-fa28-40c3-bd6de319a8ff
           Key 1: g882yYzwHtNWnAM6uqEpdNkN8G9iga6ax5wmvGChEPC9
           Key 2: oKnQf5hPBabE3hZ8QllnBWCVMa05uH2/VM6gUhoTSlah
           Key 3: EVtjMBIVOnuaiQt+CoimUtgXAhyegyYncPIo61QSGrh3
```