



# PasswordStore

Simple Password Storage

2025.09.18

Aladroc.io



I ❤️  
TOOLS



# Problem:

# I have a ton of passwords / Secrets to remember 🐛

# I Need to backup this Secret somehow easily

# I love CLI

# I love standar uncomplicated solutions





# Solution:

- # Easy peasy bash script to do it all
- # Use standard crypto throw gpg
- # My keys ~/.password-store folder
- # Store them crypted on GIT Server





# PASSWORDSTORE

aladroc.io

I  **TOOLS**

# My encrypted passwords everywhere

```
tree ~/.password-store
~/.password-store/
├── api
│   └── tokens
│       └── slack.gpg
├── email
│   ├── github.gpg
│   └── gmail.gpg
├── servers
│   └── proxmox
│       ├── root.gpg
│       └── user.gpg
└── wifi
    └── home.gpg
```

## Filesystem

aladroc.io

```
>>Pass ls
Password Store
├── api
│   └── tokens
│       └── slack
├── email
│   ├── github
│   └── gmail
├── servers
│   └── proxmox
│       ├── root
│       └── user
└── wifi
    └── home
```

## Logic Tree



```
>>Pass ls -flat
```

```
api/tokens/slack
email/github
email/gmail
servers/proxmox/root
servers/proxmox/user
wifi/home
```

## Flat stack

I  **TOOLS**

# Generate one or more keys...



```
>>gpg --batch --gen-key <<EOF
Key-Type: eddsa
Key-Curve: ed25519
Subkey-Type: ecdh
Subkey-Curve: cv25519
Name-Real: Jose Rafael Romero
Miret
Name-Email: jose.romero@aladroc.io
Name-Comment: This is a test (ECC)
Expire-Date: 0
%no-protection
%commit
EOF
```

## GPG Keys

aladroc.io

## Initialize PasswordStore

```
>>pass init "ABCD1234EFGH5678 1111AAAA2222BBBB 333CCCC4444DDDD"
```

```
>>pass insert email/github
```

```
Enter password for email/github:
Retype password for email/github:
```

```
>>pass generate email/github 24
The generated password for
email/github is:
d@j#X9fR!2lVmE4kT8pZs3wq
```

## Insert Or Generate Secrets

I ❤️  
TOOLS

# Voilà, monsieur... Your PassStore is ready

```
tree ~/.password-store
~/.password-store/
├── api
│   └── tokens
│       └── slack.gpg
├── email
│   ├── github.gpg
│   └── gmail.gpg
├── servers
│   └── proxmox
│       ├── root.gpg
│       └── user.gpg
└── wifi
    └── home.gpg
```

# All Secrets gpg crypted

# Secrets can be encrypted with one or many keys

# ...Easily see who encrypted each file

```
>>gpg --list-packets ~/.password-store/email/github.gpg
```

```
# off=0 ctb=84 tag=1 hlen=3 plen=268
:pubkey enc packet: version 3, algo 1, keyid 1234ABCD5678EF90
  data: ...
# off=271 ctb=84 tag=1 hlen=3 plen=268
:pubkey enc packet: version 3, algo 1, keyid 9ABCDEF01234ABCD
  data: ...
# off=542 ctb=d4 tag=18 hlen=2 plen=...
:encrypted data packet
  length: ...
  mdc_method: 2
```

aladroc.io

I ❤️  
TOOLS

# Backup :: No problemo



```
pass git init  
pass git remote add origin git@github.com:YOURUSER/password-store.git  
pass git push -u origin master
```



```
pass git add -A  
pass git commit -m "Add new secrets"  
pass git push
```

## Secrets live in GitLand with GitFairies

aladroc.io



I ❤️  
TOOLS



aladroc.io



I ❤️  
TOOLS

# Links & thanks



## | Links

- <https://www.passwordstore.org/>
- <https://git.zx2c4.com/password-store/>
- <https://gnupg.org/>
- <https://git-scm.com/>
- <https://github.com/aladrocMatiner/Presentations/tree/main/passwordstore>



Jose Romero  
Sharing is caring



[jose.romero@aladroc.io](mailto:jose.romero@aladroc.io)  
<https://github.com/aladrocMatiner>

## | Other

- <https://github.com/FiloSottile/passage>



Ivan Escriva  
For finding the project

aladroc.io



I ❤️  
TOOLS