# PasswordStore

Simple Password Storage

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Aladroc.io



# 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









# 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
```

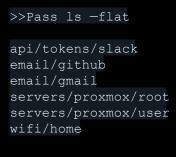
## Filesystem

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## Logic Tree





#### Flat stack



#### 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
```

## GPG Keys

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EOF

#### Initialize PaswordStore

>>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!21VmE4kT8pZs3wg Insert Or Generate Secrets



# Voilà, monsieur... Your PassStore is ready

```
tree ~/.password-store
~/.password-store/
    api
      tokens
        - slack.gpg
    email
       github.gpg
       qmail.qpq
    servers
        proxmox
            root.qpq

    user.qpq

    wifi
      home.gpg
```

# All Secrets gpg crypted

# Secrets can be encrypted with one ro many keys

# ...Easily see who encrypted each file

```
>>qpq --list-packets ~/.password-store/email/github.qpq
# off=0 ctb=84 tag=1 hlen=3 plen=268
:pubkey enc packet: version 3, algo 1, keyid 1234ABCD5678EF90
# 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
```



#### 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





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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/ ns/tree/main/passwordstore



Jose Romero Sharing is caring

<u>jose.romero@aladroc.io</u> https://github.com/aladrocMatiner



https://github.com/FiloSottile/passage

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Ivan Escriva
For finding the project

