



PasswordStore

Simple Password Storage

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Aladroc.io



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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



The background is black and decorated with stylized fireworks and confetti. There are four large firework bursts: two in the top left (blue and white), two in the top right (yellow and white), two in the bottom left (yellow and white), and two in the bottom right (blue and white). Scattered throughout the background are numerous small, multi-colored dots in shades of blue, yellow, orange, pink, and green.

PASSWORDSTORE

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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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```
>>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

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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

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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

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Voilà, monsieur... Your PassStore is ready

```
tree ~/.password-store
~/.password-store/
├── api
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│       └── 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
```

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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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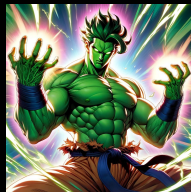
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Links & thanks



| 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



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<https://github.com/aladrocMatiner>

| Other

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



Ivan Escriva
For finding the project

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