pass Unix password manager

Plain text typed or generated → `pass insert` → **GPG file** name.gpg in the store → `pass git push` → **Git remote** optional backup

CONCEPTS

Each password is one GPG-encrypted file under ~/.password-store; the folder tree is your organisation.

The first line of a file is the password; put extra data (user, URL) on later lines.

Back up your GPG secret key: without it the store cannot be decrypted.

SETUP

pass init *<gpg-id>*
Create the store for a GPG key

pass init -p *<subfolder>* *<gpg-id>*
Use a different key for a folder

pass git init
Turn the store into a git repo

pass git remote add origin *<url>*
Add a remote to the store

pass version
Show version

PASSWORD_STORE_DIR=*<dir>* **pass**
Use another store location

SETUP (cont.)

PASSWORD_STORE_ENABLE_EXTENSIONS=true
Enable user extensions

BROWSE

pass
List all entries as a tree

pass ls *<folder>*
List one folder

pass find *<name>*
List entries whose name matches

pass grep *<text>*
Search inside decrypted entries

pass grep -i *<text>*
Search ignoring case

READ

pass show *<name>*
Print an entry

pass *<name>*
Print an entry (shortcut)

pass -c *<name>*
Copy the first line to the clipboard

pass -c*<N>* *<name>*
Copy line N instead

READ (cont.)

pass -q *<name>*
Show as a QR code

PASSWORD_STORE_CLIP_TIME=*<sec>*
Change the clipboard timeout

ADD AND EDIT

pass insert *<name>*
Add an entry, typed twice hidden

pass insert -m *<name>*
Add a multi-line entry

pass insert -e *<name>*
Add an entry with visible input

pass insert -f *<name>*
Overwrite without asking

pass edit *<name>*
Edit an entry in $EDITOR

pass generate *<name>* *<length>*
Generate a random password

pass generate -n *<name>* *<length>*
Generate without symbols

pass generate -c *<name>* *<length>*
Generate and copy, do not print

ADD AND EDIT (cont.)

pass generate -i *<name>* *<length>*
Replace only the first line

ORGANISE

pass mv *<old>* *<new>*
Rename or move an entry

pass cp *<old>* *<new>*
Copy an entry

pass rm *<name>*
Delete an entry

pass rm -r *<folder>*
Delete a folder

pass mv *<name>* *<folder>***/**
Move into a folder

GIT SYNC

pass git log
Show store history

pass git push
Push the store

pass git pull
Pull changes from the remote

pass git status
Check for uncommitted changes

pass git clone *<url>* **~/.password-store**
Restore on a new machine

TEAMS AND SECURITY

pass init *<id1>* *<id2>*
Encrypt for several recipients

PASSWORD_STORE_KEY=*<ids>* **pass**
Override the key for this run

Entry names are visible in the file tree and git history; only the contents are encrypted.

RECIPES

First setup

```
gpg --list-secret-keys --
keyid-format long
pass init <gpg-id>
pass git init
pass generate email/work 24
```

Sync to a new machine

```
gpg --import <secret-key-
file>
pass git clone <url>
~/.password-store
pass -c email/work
```

Store extra fields

```
pass insert -m site/example
# line 1: password
# line 2: user:
me@example.com
```

Rotate a password

```
pass generate -i site/
example 24
pass git push
```