

Pass-Cli and GPG

Getting started with Pass

-  [Setting up pass on git with a gpg key](#)


GPG Key Export / Import

-  [GPG: Extract private key and import on different machine - makandra orga](#)

```
# on first device
# INFO technically, the private key "contains" the public key, so there is no
# need to export it as well https://superuser.com/a/1620274
gpg --export --armor grieser.chris@gmail.com > public.key
gpg --export-secret-keys --armor grieser.chris@gmail.com > private.key

# on second device
gpg --import public.key
gpg --import private.key
```

iOS setup

- App Store name: `Pass – Password Store`
-  [Setup Instructions](#)

```
# 1. SETUP SSH
# import in via "Load from File"
cat $HOME/.ssh/id_ed25519 > ssh.key
# git repo adress to use
echo "ssh://git@github.com/chrisgrieser/.password-store.git" | pbcopy
# password for confirmation
pass show --clip "development/ssh-2024"

# 2. SETUP GPG DECRYPTION
gpg --export --armor grieser.chris@gmail.com > public.key
gpg --export-secret-keys --armor grieser.chris@gmail.com > private.key

# select these files as in the PassForIos config
```

Troubleshooting GPG

No pinentry

```
# "gpg: public key decryption failed: No pinentry"
# "gpg: decryption failed: No pinentry"

# 1. check pinentry is installed:
brew info pinentry

# 2. restart gpg
gpgconf --kill gpg-agent
```

Importing Key

```
# "unsafe permissions on homedir"
find ~/.gnupg -type f -exec chmod 600 {} \;
find ~/.gnupg -type d -exec chmod 700 {} \;
```

```
# "key already known": delete existing keys first
gpg --delete-keys
gpg --delete-secret-keys
```

```
# "error sending to agent: No pinentry" https://superuser.com/a/1135950
gpg --batch --import private.key
```

Config & Pinentry

```
# GPG config change not recognized:
# → restart gpgconfig
gpgconf --kill gpg-agent
```

```
# "gpg: decryption failed: No pinentry"
```

- path for pinentry-program in `gpg-agent.conf` incorrect?
- program not installed?

```
# create symlink to the location required there
if [[ $(uname -p) == "i386" ]]; then
    mkdir -p /opt/homebrew/bin/
    ln -sf /usr/local/bin/pinentry-mac /opt/homebrew/bin/pinentry-mac
fi
```

Trust Level

```
# There is no assurance this key belongs to the named user
# https://stackoverflow.com/a/34132924

# get key ID via
gpg --edit-key <KEY_ID> |mail
gpg> trust

# Your decision? 5
# Do you really want to set this key to ultimate trust? (y/N) y
gpg> quit
```