

gocryptfs Quick Reference Guide

Installation

```
bash

# Install gocryptfs
sudo apt-get install gocryptfs

# Check version
gocryptfs --version

# Get help
man gocryptfs
gocryptfs
```

Setup Encrypted Folder

First Time Setup

```
bash

# Create folder for encrypted storage
mkdir ~/encrypted-folder

# Initialize encryption (creates password)
gocryptfs -init ~/encrypted-folder

# Create mount point
mkdir ~/decrypted-folder
```

Daily Usage

Mount (unlock) encrypted folder

```
bash

gocryptfs ~/encrypted-folder ~/decrypted-folder
# Enter password when prompted
```

Work with files normally

```
bash

# Add files to decrypted folder
echo "Secret data" > ~/decrypted-folder/secret.txt
cat ~/decrypted-folder/secret.txt

# Files are automatically encrypted in background
```

Unmount (lock) encrypted folder

```
bash

fusermount -u ~/decrypted-folder
# Files are now locked and protected
```

Verify Encryption

Check encrypted storage

```
bash

ls ~/encrypted-folder
# Files should look scrambled/unreadable
```

Test access without mounting

```
bash

cat ~/decrypted-folder/secret.txt
# Should give error - folder not accessible
```

Common Issues & Solutions

"Device or resource busy" when unmounting:

- Make sure you're not inside the decrypted folder
- Close any files or programs using the folder
- Try: `fusermount -u ~/decrypted-folder`

Forgotten password:

- No way to recover encrypted files
- Always store password in password manager

Can't access files:

- Check if folder is mounted: `ls ~/decrypted-folder`
- Remount if needed: `gocryptfs ~/encrypted-folder ~/decrypted-folder`