

GPG Cheat Sheet

From Sluggish Software Wiki

Contents

- 1 Create a key
- 2 Show keys
- 3 Search for keys
- 4 To Encrypt a File
- 5 To Decrypt a File
- 6 Export keys
- 7 Import keys
- 8 Revoke a key
- 9 Signing and Verifying files

Create a key

```
gpg --gen-key
```

Show keys

To list a summary of all keys

```
gpg --list-keys
```

To show your public key

```
gpg --armor --export
```

To show the fingerprint for a key

```
gpg --fingerprint KEY_ID
```

Search for keys

```
gpg --search-keys 'user@emailaddress.com'
```

To Encrypt a File

```
gpg --encrypt --recipient 'user@emailaddress.com' example.txt
```

To Decrypt a File

```
gpg --output example.txt --decrypt example.txt.gpg
```

Export keys

```
gpg --output ~/public_key.txt --armor --export KEY_ID  
gpg --output ~/private_key.txt --armor --export-secret-key KEY_ID
```

Where *KEY_ID* is the 8 character GPG key ID.

Store these files to a safe location, such as a USB drive, then remove the private key file.

```
shred -zu ~/private_key.txt
```

Import keys

Retrieve the key files which you previously exported.

```
gpg --import ~/public_key.txt  
gpg --allow-secret-key-import --import ~/private_key.txt
```

Then delete the private key file.

```
shred -zu ~/private_key.txt
```

Revoke a key

Create a revocation certificate.

```
gpg --output ~/revoke.asc --gen-revoke KEY_ID
```

Where *KEY_ID* is the 8 character GPG key ID.

After creating the certificate import it.

```
gpg --import ~/revoke.asc
```

Then ensure that key servers know about the revocation.

```
gpg --send-keys KEY_ID
```

Signing and Verifying files

If you're uploading files to launchpad you may also want to include a GPG signature file.

```
gpg -ba filename
```

or if you need to specify a particular key:

```
gpg --default-key <key ID> -ba filename
```

This then produces a file with a .asc extension which can be uploaded. If you need to set the default key more permanently then edit the file `~/.gnupg/gpg.conf` and set the *default-key* parameter.

To verify a downloaded file using its signature file.

```
gpg --verify filename.asc
```

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