

GnuPG Cheat Sheet

Introduction

GnuPG (also known as GPG) is a free implementation of the OpenPGP standard. It is used to encrypt and sign data and communication.

Installation

Install GnuPG using your package manager or download it from $\underline{\text{gnupg.org.}}$

Listing keys	
Command	Description
gpglist-keys	List public keys
gpglist-secret-keys	List secret keys
gpgfingerprint	Show the fingerprint of all keys
gpgfingerprint <key></key>	Show the fingerprint of a key

Key management	
Command	Description
gpggenerate-key	Generate a new key pair
gpgquick-generate-key	Quickly generate a new key pair with default settings
gpgfull-generate-key	Generate a new key pair with advanced settings
<pre>gpgquick-add-uid <key></key></pre>	Add a user ID to a key
gpgquick-revoke-uid <key></key>	Revoke a user ID from a key
<pre>gpgquick-set-expire <key></key></pre>	Set an expiration date for a key
gpgedit-key <key></key>	Enter the key edit menu
gpgdelete-key <key></key>	Delete a key
gpgdelete-secret-key <key></key>	Delete a secret key

Key edit menu	
Command	Description
list	List keys and user IDs
uid <number></number>	Select a user ID
key <number></number>	Select a subkey
adduid	Add a user ID
deluid	Delete a user ID
addkey	Add a subkey
delkey	Delete a subkey
expire	Set an expiration date
quit	Quit the key edit menu
save	Save changes and quit the key edit menu
help	Show help

Importing & exporting keys	
Command	Description
gpgimport <file></file>	Import a key from a file
gpgexport <key></key>	Export a public key
gpgexport-secret-keys <key></key>	Export a secret key
gpgexportarmor <key></key>	Export a public key in ASCII armor format
Key servers	
Command	Description
gpgsend-keys <key></key>	Upload a key to a key server
gpgrecv-keys <key></key>	Download a key from a key server
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gpg --search-keys <key>

gpg --refresh-keys

Search for a key on a key server

Download updates from a key

server

Encrypting and decrypting	
Command	Description
<pre>gpgencryptrecipient <key></key></pre>	Encrypt a file with the recipient's public key
<pre>gpgsymmetric <file></file></pre>	Encrypt a file with a symmetric cipher
gpgdecrypt <file></file>	Decrypt a file with your private key

Signing and verifying	
Command	Description
gpgsign <file></file>	Sign a file with your private key
gpgclear-sign <file></file>	Sign a file and add the signature in ASCII armor format
gpgverify <file></file>	Verify a file with the sender's public key

Smartcards / YubiKey	
Command	Description
gpgcard-status	Show information about the smartcard
gpgedit-card	Enter the card edit menu

Card edit menu	
Command	Description
admin	Enable administrative commands
name	Change the cardholder's name
help	Show help
quit	Quit the card edit menu

GPG Agent	
Command	Description
gpg-agentdaemon	Start the GPG agent