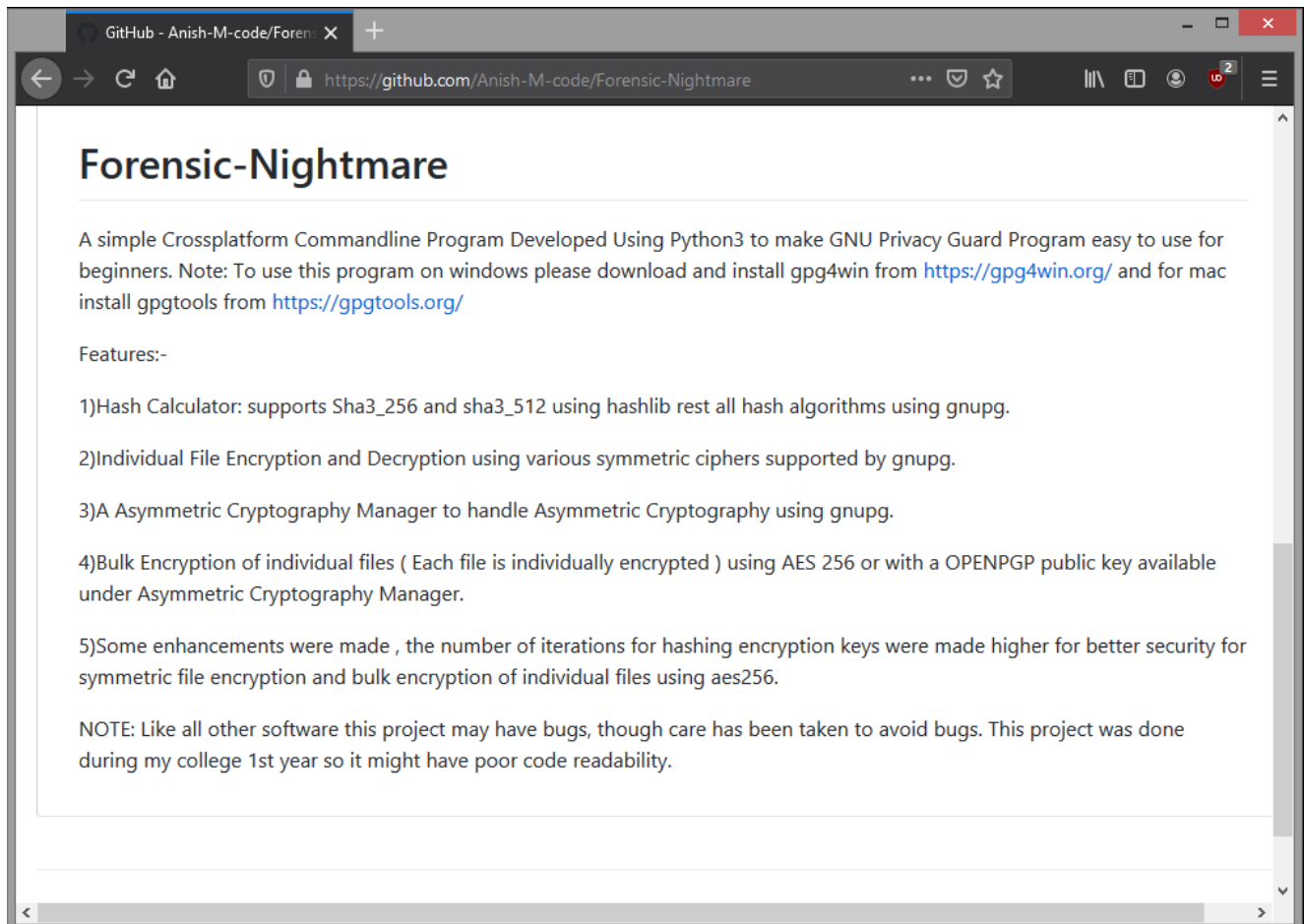


# Forensic Nightmare v8 Manual

**Project Link:** <https://github.com/Anish-M-code/Forensic-Nightmare>



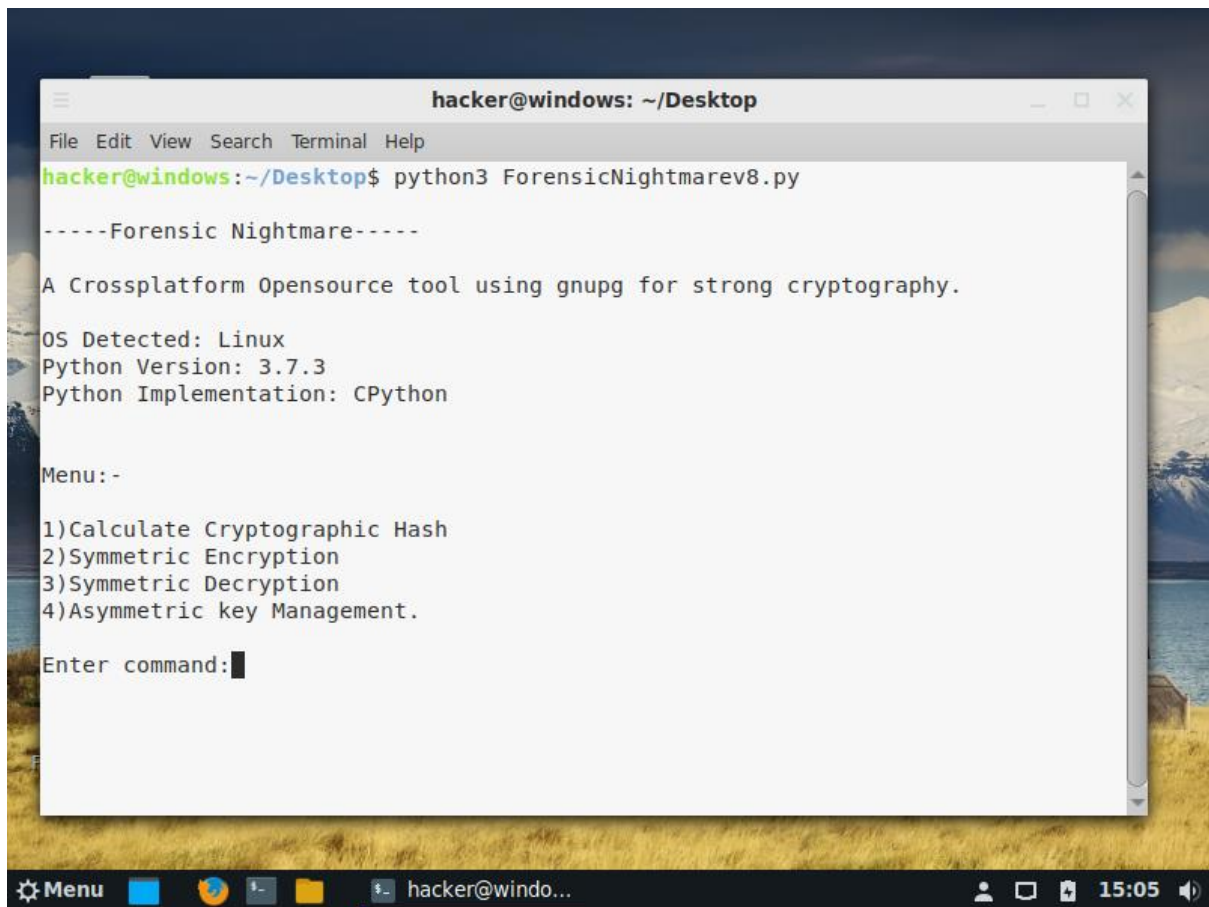
This is a Portable Program. It requires no installation.

Simply Run it like any other python Program!

Windows: `py ForensicNightmarev8.py`

Linux: `python3 ForensicNightmarev8.py`

## Main Menu:-



```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
hacker@windows:~/Desktop$ python3 ForensicNightmarev8.py

-----Forensic Nightmare-----

A Crossplatform Opensource tool using gnupg for strong cryptography.

OS Detected: Linux
Python Version: 3.7.3
Python Implementation: CPython

Menu:-

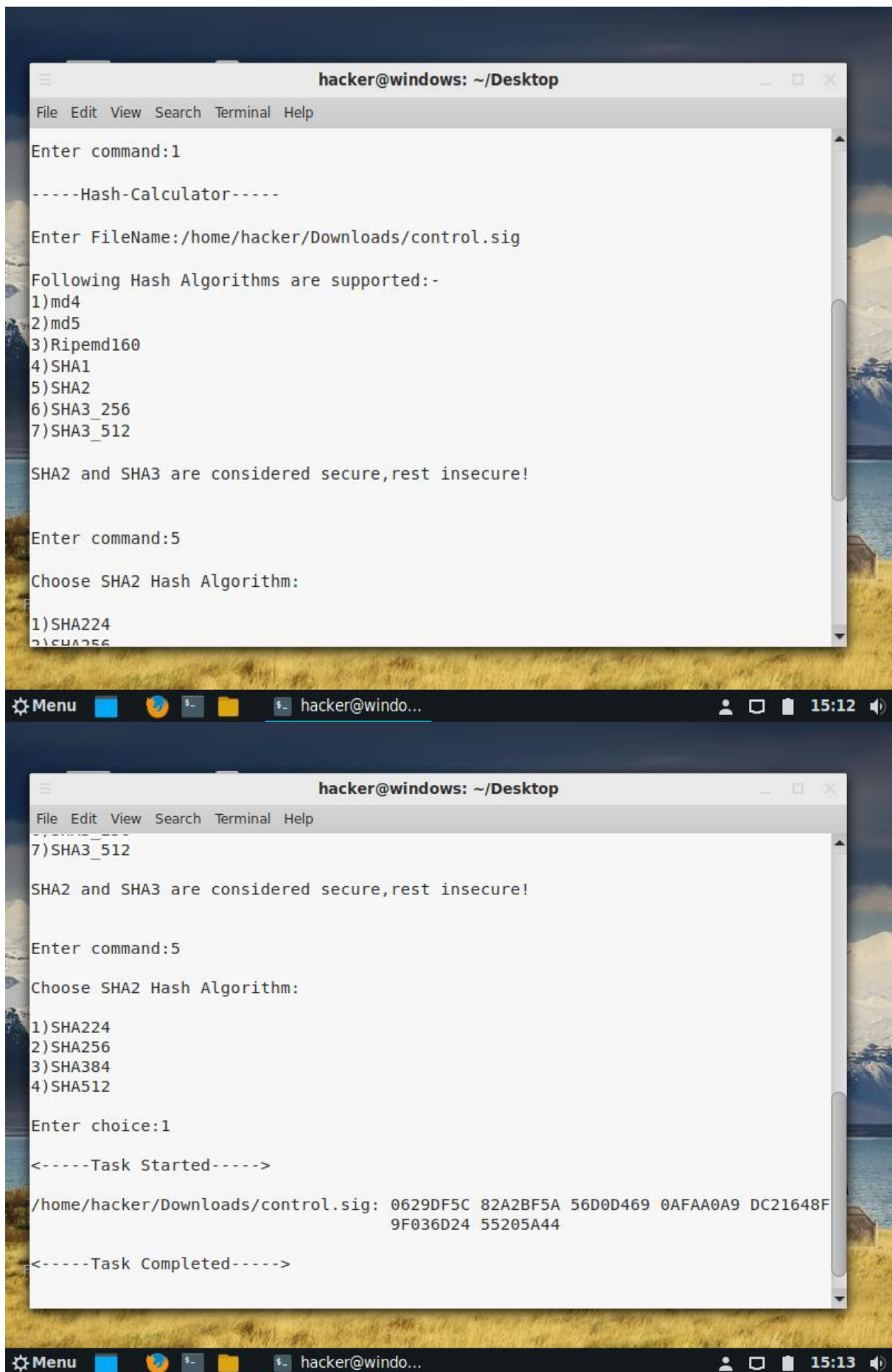
1)Calculate Cryptographic Hash
2)Symmetric Encryption
3)Symmetric Decryption
4)Asymmetric key Management.

Enter command:
```

## Calculating Cryptographic Hash of Files:-

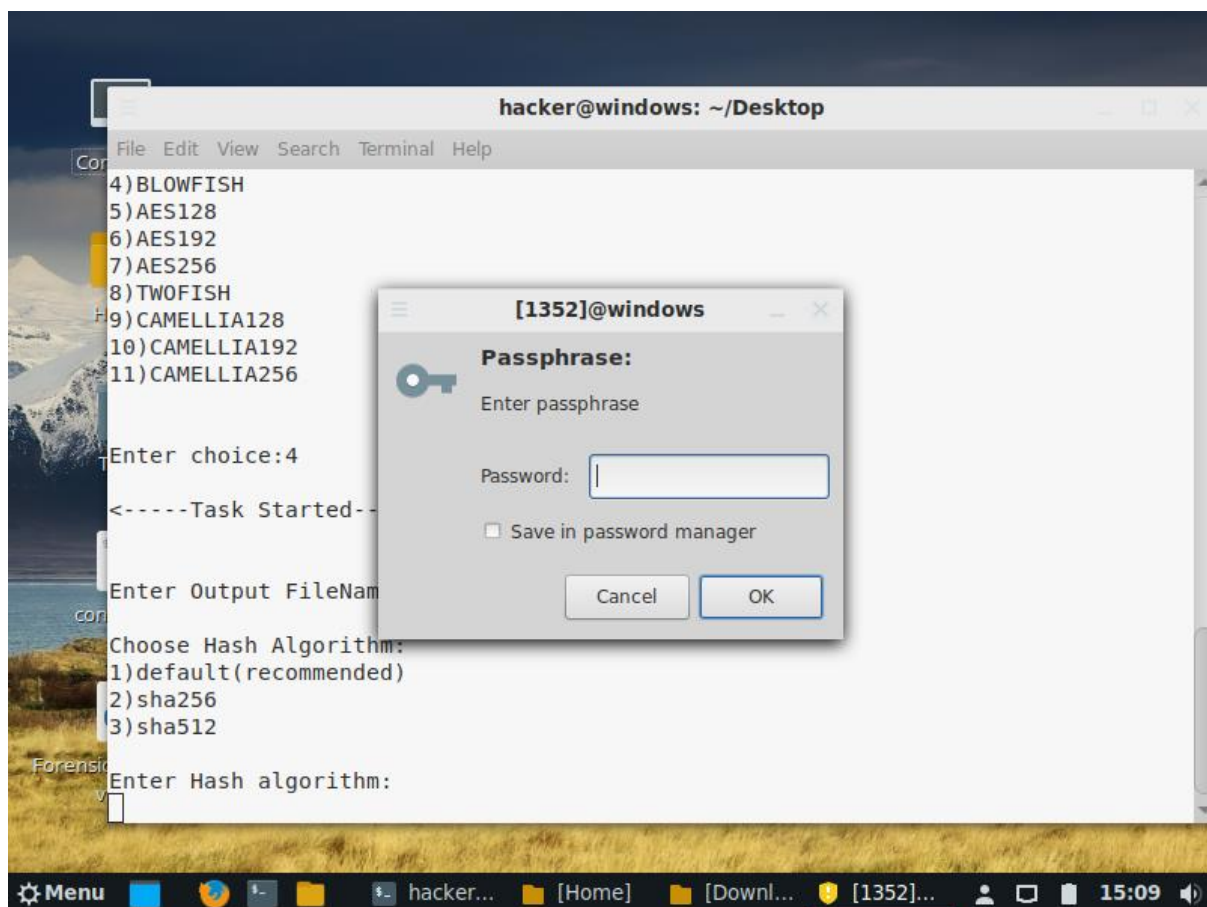
Cryptographic hash is used to verify integrity of files. It is Used to ensure that your files are not modified unintentionally. 2 Files with same contents will have same hash.

Forensic Nightmare supports Cryptographic hash functions in Gnupg and additionally sha3 family hash functions via python's hashlib.



## Symmetric Encryption:-

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
Menu: -
1)Calculate Cryptographic Hash
2)Symmetric Encryption
3)Symmetric Decryption
4)Asymmetric key Management.
Enter command:2
<-----Symmetric-Encryptor----->
Enter FileName for Encryption:/home/hacker/Downloads/control.sig
Following Symmetric Encryption Algorithms are supported:-
1)IDEA
2)3DES
3)CAST5
4)BLOWFISH
5)AES128
6)AES192
7)AES256
```



For output Filename give any name or press enter .

## Using Asymmetric Cryptography using OPENPGP:-

By default while using this program for first time .  
Mostly Your PC will have neither Private/Secret nor  
Public OPENPGP keys .

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
<-----Asymmetric Cryptographic Manager----->

Menu:-

1)Generate OPENPGP keypair.
2)Import
3)Export public key
4)Export Secret key
5)List Public Keys in this PC.
6)List Secret keys in this PC.
7)Delete Public Key
8)Delete Secret Key
9)Revoke Key
10)Bulk encrypt files in folder for a public key
11)Bulk Sign and Symmetric encrypt files in folder

Enter command:5
<-----Public Keys in this computer----->
```

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
2)Import
3)Export public key
4)Export Secret key
5)List Public Keys in this PC.
6)List Secret keys in this PC.
7)Delete Public Key
8)Delete Secret Key
9)Revoke Key
10)Bulk encrypt files in folder for a public key
11)Bulk Sign and Symmetric encrypt files in folder

Enter command:5
<-----Public Keys in this computer----->

You may not have appropriate administrative access
or There are no OPENPGP keys to display!

<-----Task Ended----->
```

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
4)Export Secret key
5)List Public Keys in this PC.
6)List Secret keys in this PC.
7)Delete Public Key
8)Delete Secret Key
9)Revoke Key
10)Bulk encrypt files in folder for a public key
11)Bulk Sign and Symmetric encrypt files in folder

Enter command:6

<-----secret keys in this computer----->

You may not have appropriate administrative access
or There are no OPENPGP keys to display!

<-----Task Ended----->

Press to continue...
```

So To use Asymmetric Cryptography you have to generate an OPENPGP key pair!

In Asymmetric Cryptographic Manager enter 1

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
Enter command:1

<-----Generating OpenPGP keypair----->

Warning!:

Always give your name and email address,
both unique for each key else this program will fail.

gpg (GnuPG) 2.2.12; Copyright (C) 2018 Free Software Foundation, Inc.
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.

Please select what kind of key you want:
(1) RSA and RSA (default)
(2) DSA and Elgamal
(3) DSA (sign only)
(4) RSA (sign only)
(7) DSA (set your own capabilities)
(8) RSA (set your own capabilities)
(9) ECC and ECC
(10) ECC (sign only)
(11) ECC (set your own capabilities)
```



```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
There is NO WARRANTY, to the extent permitted by law.

Please select what kind of key you want:
  (1) RSA and RSA (default)
  (2) DSA and Elgamal
  (3) DSA (sign only)
  (4) RSA (sign only)
  (7) DSA (set your own capabilities)
  (8) RSA (set your own capabilities)
  (9) ECC and ECC
  (10) ECC (sign only)
  (11) ECC (set your own capabilities)
  (13) Existing key
Your selection? 9
Please select which elliptic curve you want:
  (1) Curve 25519
  (3) NIST P-256
  (4) NIST P-384
  (5) NIST P-521
  (6) Brainpool P-256
  (7) Brainpool P-384
  (8) Brainpool P-512
  (9) secp256k1
Your selection? █
```

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
  (9) ECC and ECC
  (10) ECC (sign only)
  (11) ECC (set your own capabilities)
  (13) Existing key
Your selection? 9
Please select which elliptic curve you want:
  (1) Curve 25519
  (3) NIST P-256
  (4) NIST P-384
  (5) NIST P-521
  (6) Brainpool P-256
  (7) Brainpool P-384
  (8) Brainpool P-512
  (9) secp256k1
Your selection? 1
Please specify how long the key should be valid.
    0 = key does not expire
    <n> = key expires in n days
    <n>w = key expires in n weeks
    <n>m = key expires in n months
    <n>y = key expires in n years
Key is valid for? (0) 1y
Key expires at Mon 26 Apr 2021 03:24:38 PM IST
Is this correct? (y/N) y█
```

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
(6) Brainpool P-256
(7) Brainpool P-384
(8) Brainpool P-512
(9) secp256k1
Your selection? 1
Please specify how long the key should be valid.
    0 = key does not expire
    <n> = key expires in n days
    <n>w = key expires in n weeks
    <n>m = key expires in n months
    <n>y = key expires in n years
Key is valid for? (0) 1y
Key expires at Mon 26 Apr 2021 03:24:38 PM IST
Is this correct? (y/N) y

GnuPG needs to construct a user ID to identify your key.

Real name: Bad Boy
Email address: bad@bad.onion
Comment:
You selected this USER-ID:
    "Bad Boy <bad@bad.onion>"

Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit? o
```

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
Please specify how long the key should be valid.
    0 = key does not expire
    <n> = key expires in n days
    <n>w = key expires in n weeks
    <n>m = key expires in n months
    <n>y = key expires in n years
Key is valid for? (0) 1y
Key expires at Mon 26 Apr 2021 03:24:38 PM IST
Is this correct? (y/N) y

GnuPG needs to construct a user ID to identify your key.

Real name: Bad Boy
Email address: bad@bad.onion
Comment:
You selected this USER-ID:
    "Bad Boy <bad@bad.onion>"

Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit? o
```

**[1552]@windows**

**Passphrase:**

Please enter the passphrase to protect your new key

Password:

Confirm:

```
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
```



```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
We need to generate a lot of random bytes. It is a good idea to perform
some other action (type on the keyboard, move the mouse, utilize the
disks) during the prime generation; this gives the random number
generator a better chance to gain enough entropy.
gpg: key 19B8BA3567AEED58 marked as ultimately trusted
gpg: revocation certificate stored as '/home/hacker/.gnupg/openpgp-revocs.d/5C18
583FEB09EB39E4D0765819B8BA3567AEED58.rev'
public and secret key created and signed.

pub   ed25519 2020-04-26 [SC] [expires: 2021-04-26]
       5C18583FEB09EB39E4D0765819B8BA3567AEED58
uid           Bad Boy <bad@bad.onion>
sub   cv25519 2020-04-26 [E] [expires: 2021-04-26]

<-----Task Completed----->

Press any key to continue...
```

Finally we have Successfully Generated our OPENPGP keypair!

Next to import Public keys.

```
hacker@windows: ~/Desktop
File Edit View Search Terminal Help
6)List Secret keys in this PC.
7)Delete Public Key
8)Delete Secret Key
9)Revoke Key
10)Bulk encrypt files in folder for a public key
11)Bulk Sign and Symmetric encrypt files in folder

Enter command:2

Enter OPENPGPkey( public key / Secret key ) Filename:open.asc

<-----Importing Key----->

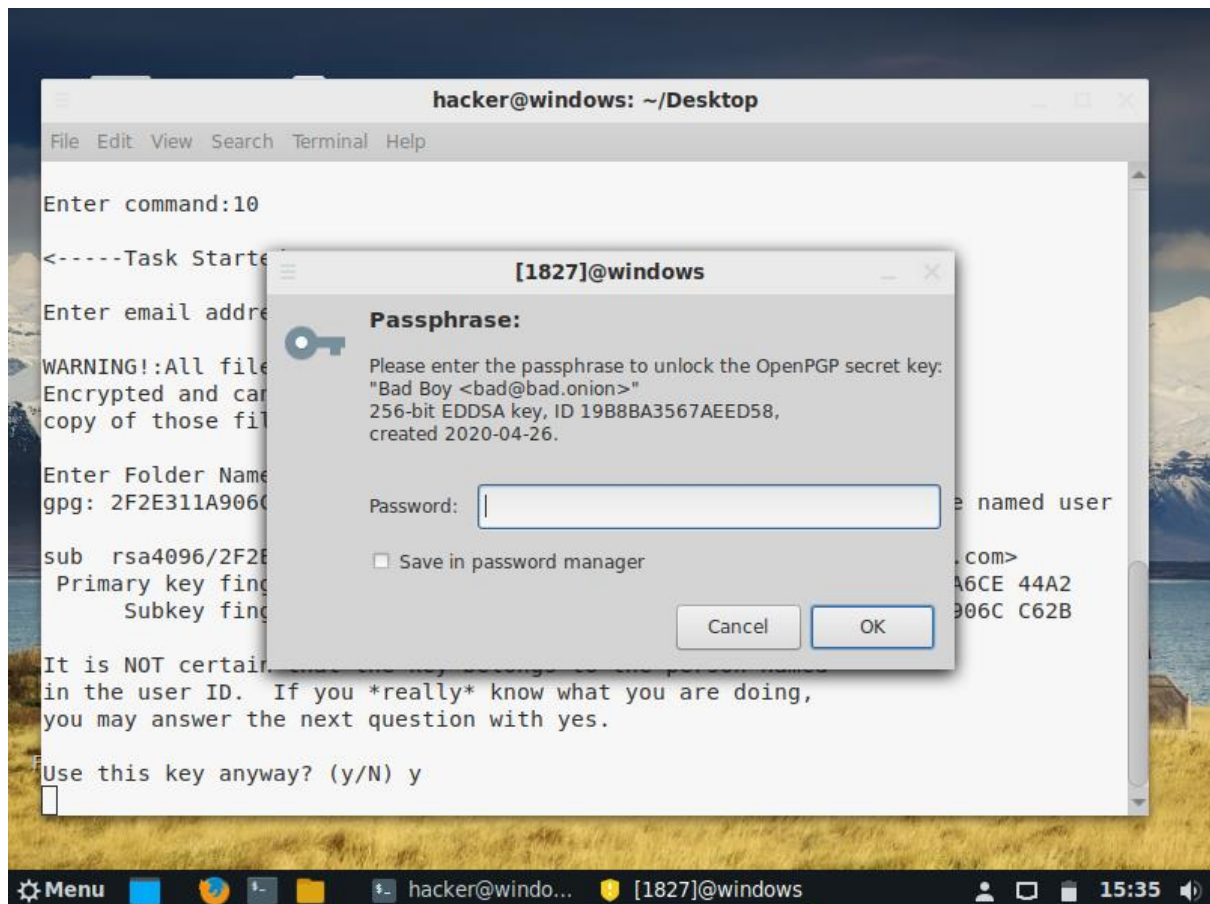
gpg: key AF0CD7ABA6CE44A2: public key "M.Anish <aneesh25861@gmail.com>" imported
gpg: Total number processed: 1
gpg:             imported: 1

<-----Task Completed----->

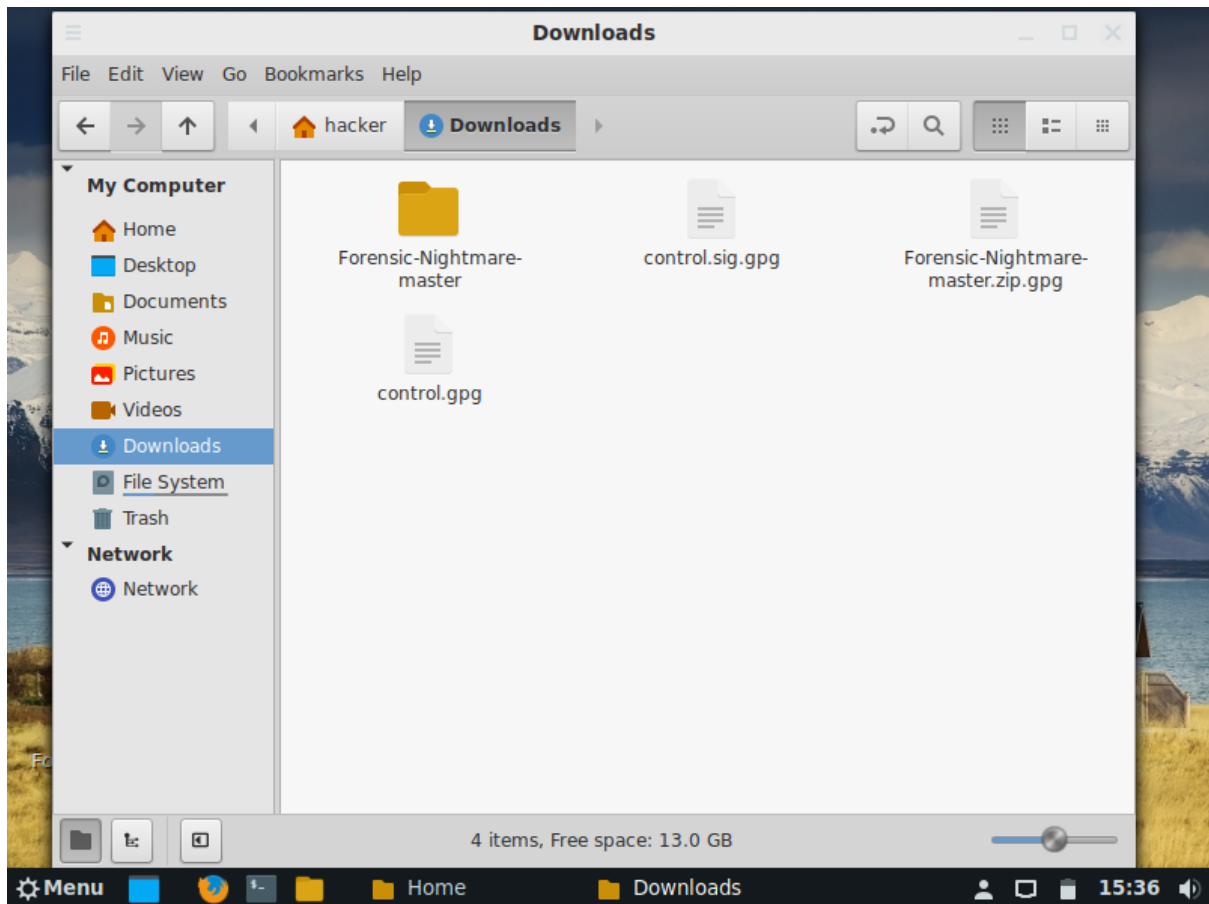
Press any key to continue...
```

Once you have created your own OPENPGP keypair and imported another person's public key obtained securely. You can explore other options in Asymmetric Cryptographic Manager.

## Bulk Encryption of Files to Public Key



Here Password of Your Private/Secret Openpgp key should be entered.



Encrypted Files will end with .gpg extension.

Hope you like this tool. This tool was originally created for kali Linux since from Kali Linux 2020.1 the interface to gnupg has been cumbersome.

For any bugs , enhancements feel free to shoot me an email at [aneesh25861\[at\]gmail.com](mailto:aneesh25861[at]gmail.com) or raise an issue on github!

