

EMAIL

ENCRYPTION

101 (FOR MAC)

2017 ANON SERIES: BOOK 2
FROM CRYPTO.LA

PGP, GPG, WTF

PGP stands for 'Pretty Good Privacy'

It's an encryption program that encrypts and authenticates data communication.

GPG stands for 'Gnu Privacy Guard' and is based off of PGP.

WE RECOMMEND USING GPGTOOLS FOR SECURE, ENCRYPTED EMAIL COMMUNICATION. IT ENCRYPTS ON YOUR COMPUTER AND NOT IN THE CLOUD

Based on GnuPG, GPG Suite uses GPGMail, an open source plugin for Apple Mail that allows you to encrypt, decrypt, sign, and verify your emails.

our rec:



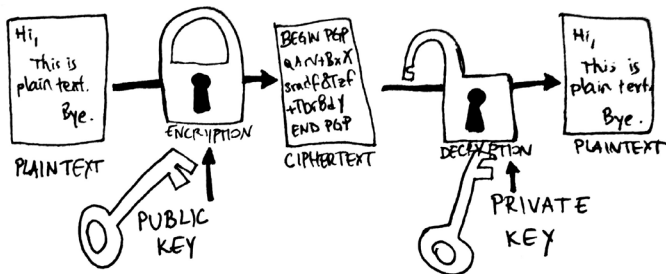
GPG^{TOOLS}

PUBLIC KEY VS. PRIVATE KEY

You have a PUBLIC key and a PRIVATE key and you need both to encrypt and decrypt.

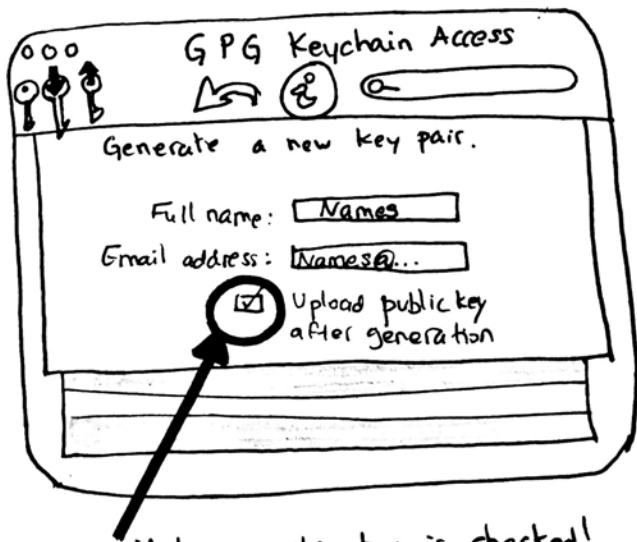
A message is encrypted with PUBLIC key and can only be decrypted by a recipient whose public key matches the one used by the sender AND with the sender's PRIVATE key.

You need your private key to actually decrypt messages. When you set up your password for your private key, YOU MUST REMEMBER IT! It cannot be retrieved! Don't email it to yourself or share it with anyone!



INSTALL GPG TOOLS

- Download GPG Suite from gpgtools.org
- Create your own key:
 - >File > New Key



Make sure this box is checked!
It allows you to upload your key
to a key server so others can access it.

SET UP MAIL APP

Mail is an app built into Macs.

- To add the email you will use with GPG Tools:
go to:
 - > System Preferences
 - > Internet Accounts

Choose a mail account to add...

-  iCloud
-  Exchange
- Google
- YAHOO!
- Aol.
- Add Other Mail Account

cancel

continue

- Enter your email info:

Add a Mail Account

Full Name:

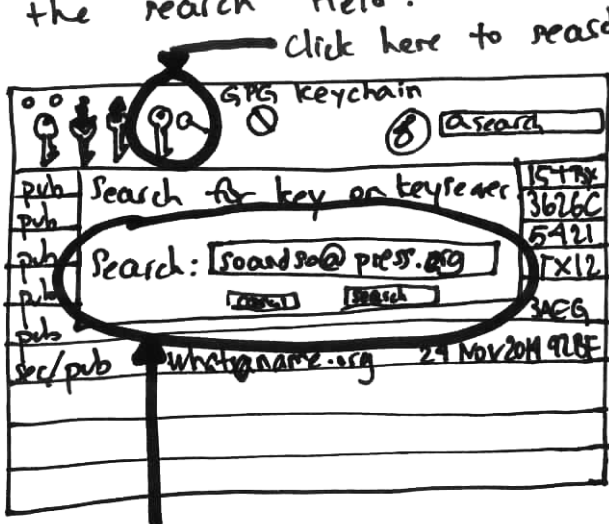
Email Address:

Password:

FIND SOMEONE'S KEY

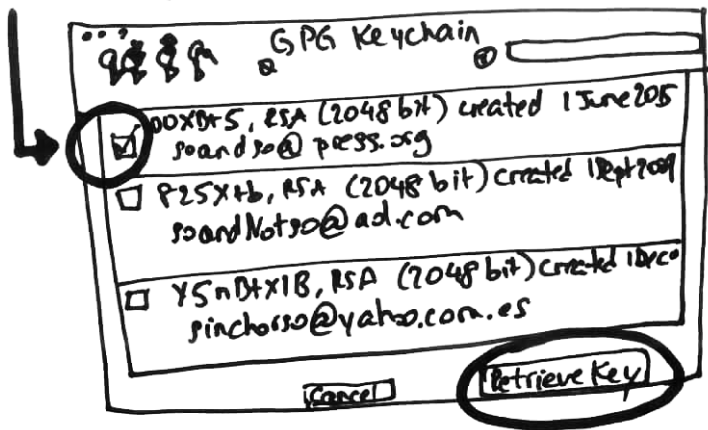
You can look up someone's public key and import their key by searching the keyserver.

Open GPG and enter their email address in the search field:



Enter their email here

Once your search results appear, select the right one and retrieve key.



IMPORT KEY FILES

To import a key from a file, all you'll need to do is drag it into GPG keychain.

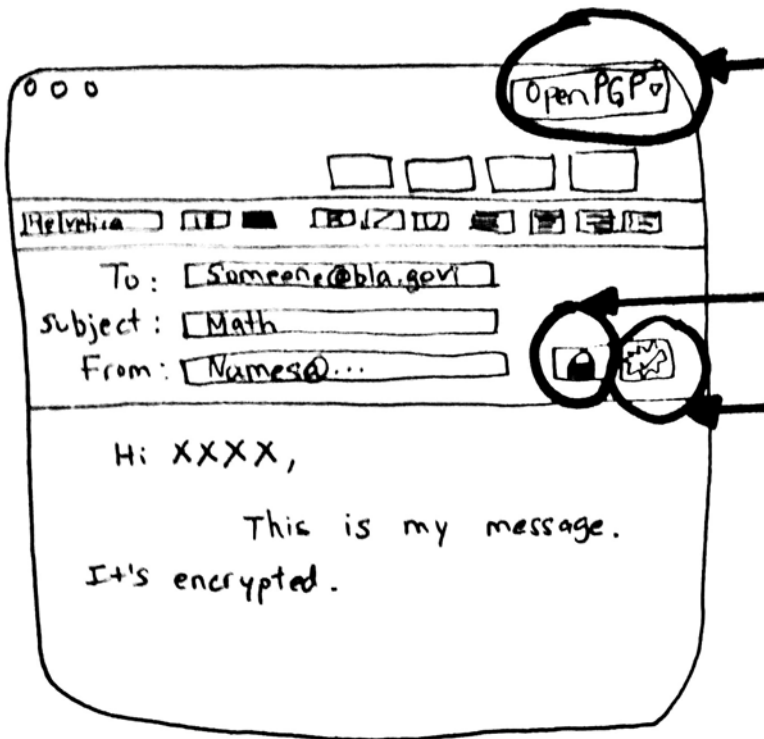


DRAG INTO
GPG keychain



ENCRYPT & SEND

- Open Mail app. It should look like this:



———— This should be green

———— Make sure lock is closed. This
encrypts your email.

———— Click here to sign.

MORE INFO:

LA CRYPTOPARTY:

<http://crypto.la>

PRISM BREAK:

<http://prism-break.org>

EFF:

<http://eff.org>

GPG TOOLS

:
<https://gpgtools.org>