

SIGNAL

Reem Bashir

WHAT IS SIGNAL?

Open whisper system

SIGNAL FEATURES

- End-to end encryption
- Using Curve25519, AES-256, and HMAC-SHA256 encryption algorithms.
- Establish a “peer-to-peer” connection for the call (Location privacy)
- Safety numbers allow Signal users to verify the privacy of their communication with a contact, either by comparing a number or by scanning a single QR code.
- “Signal user” will appear in the “recent calls” list in iPhone 10 (callKit).
- In beta version using encrypted profile encrypted using a unique profile key.
- An additional layer of encryption by enabling passphrase.
- Open source code <https://github.com/whispersystems/> .

SIGNAL ON SMART PHONE



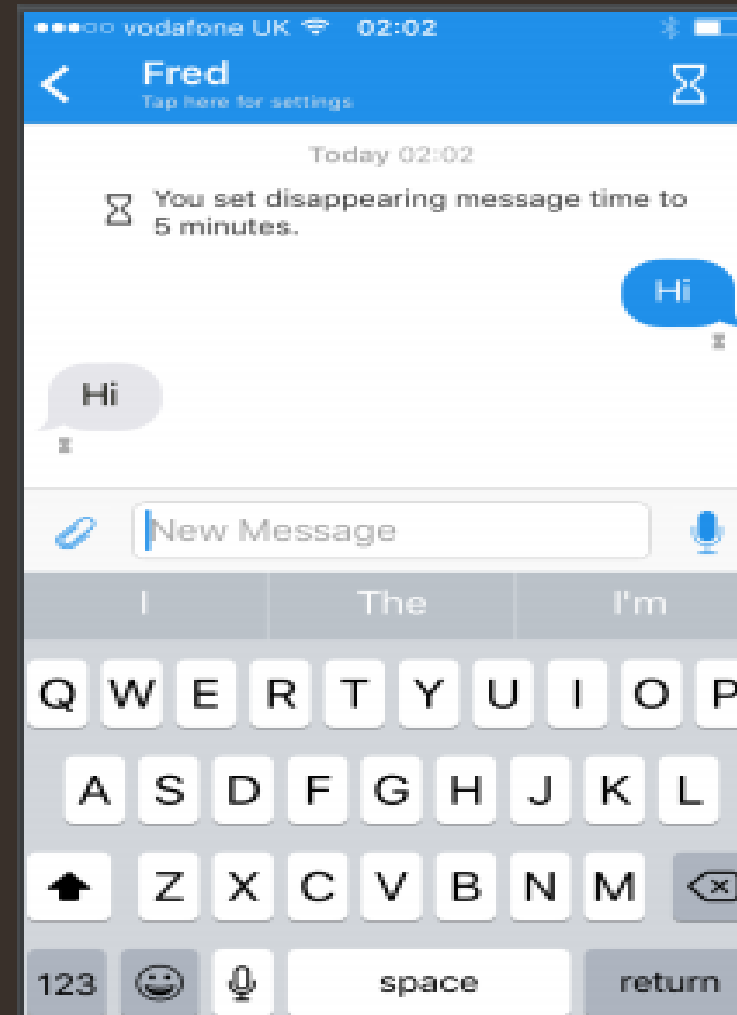
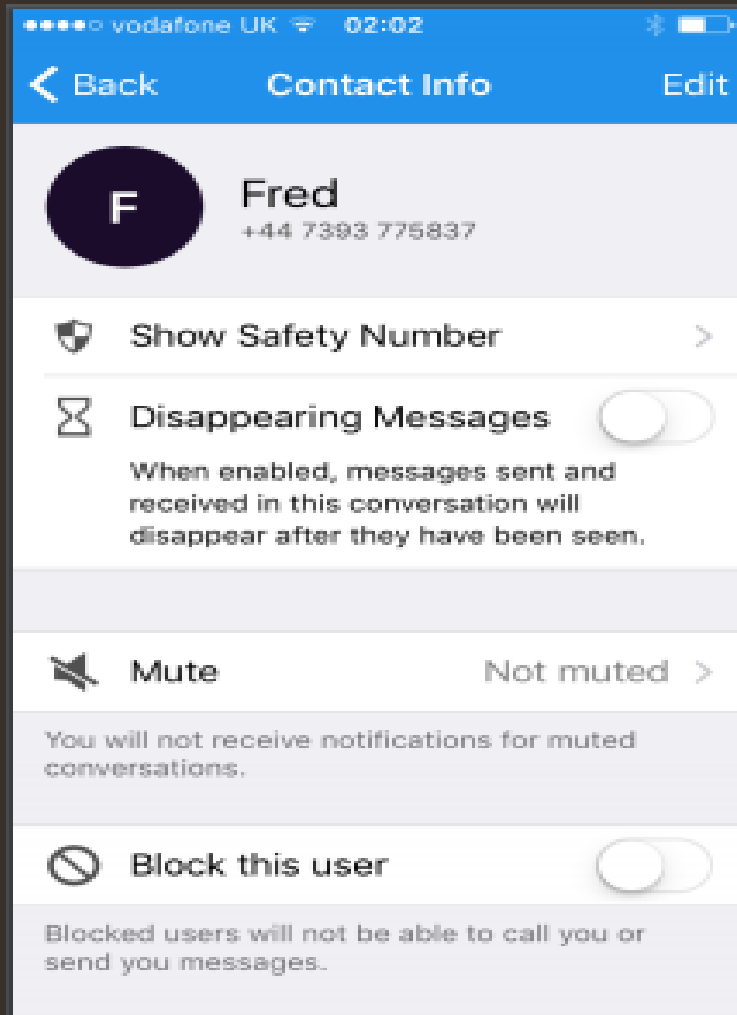
IOS
(2.17.1)

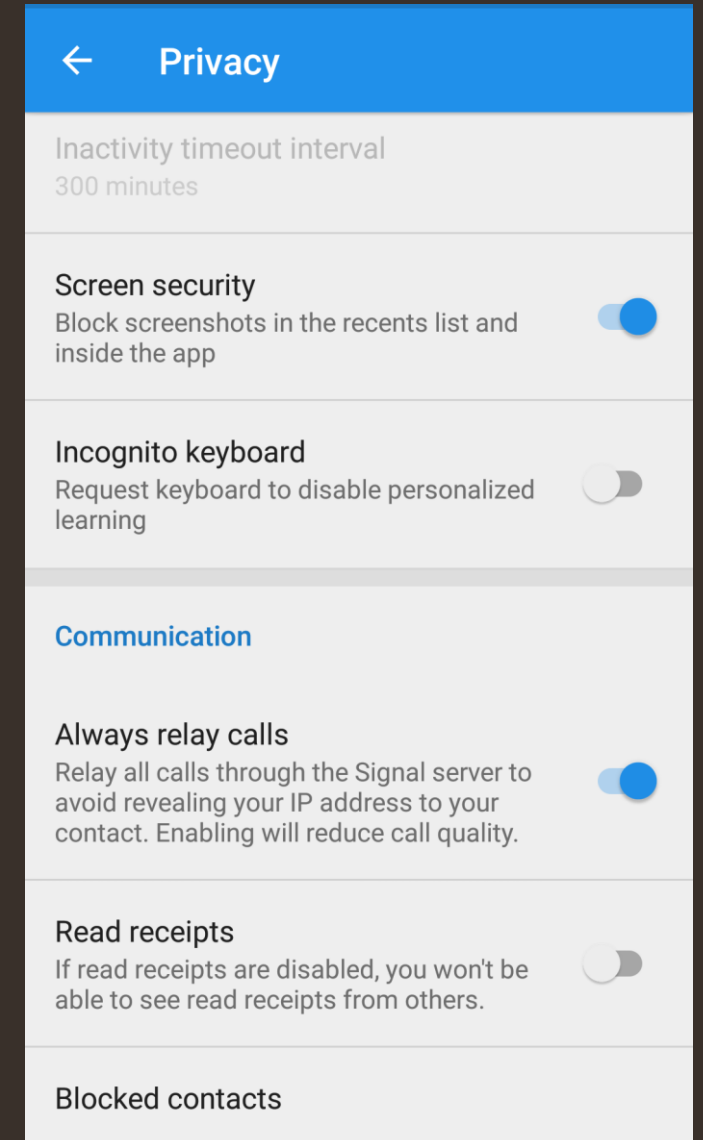
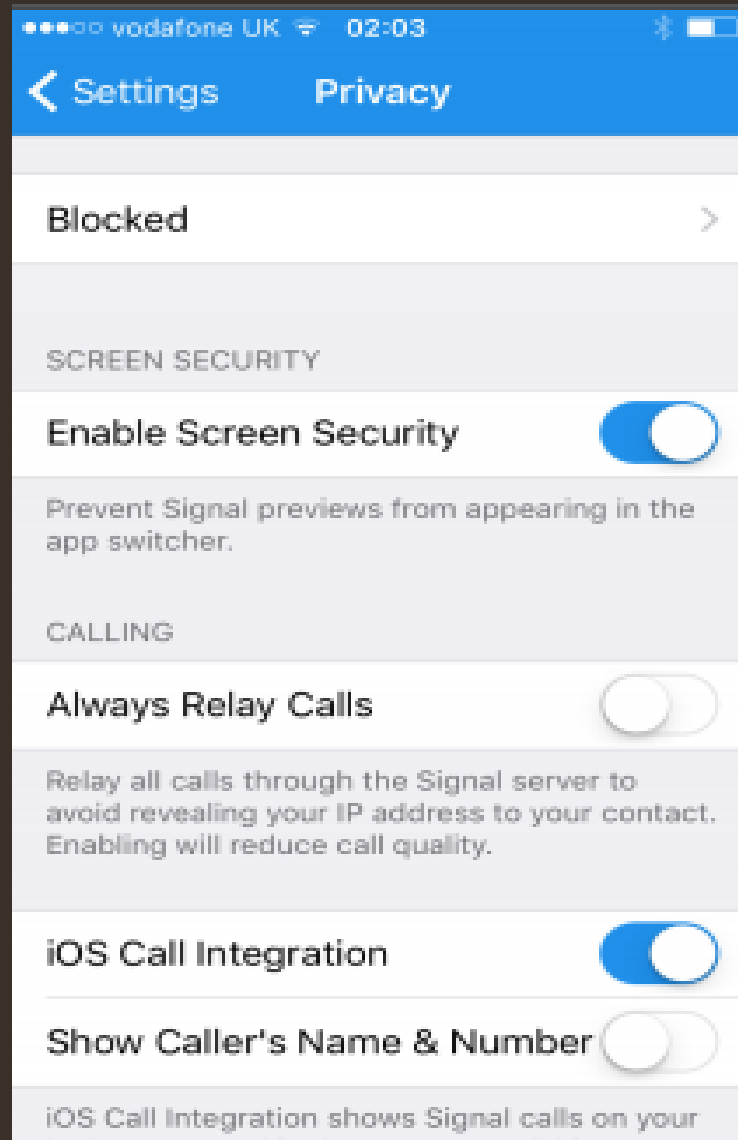
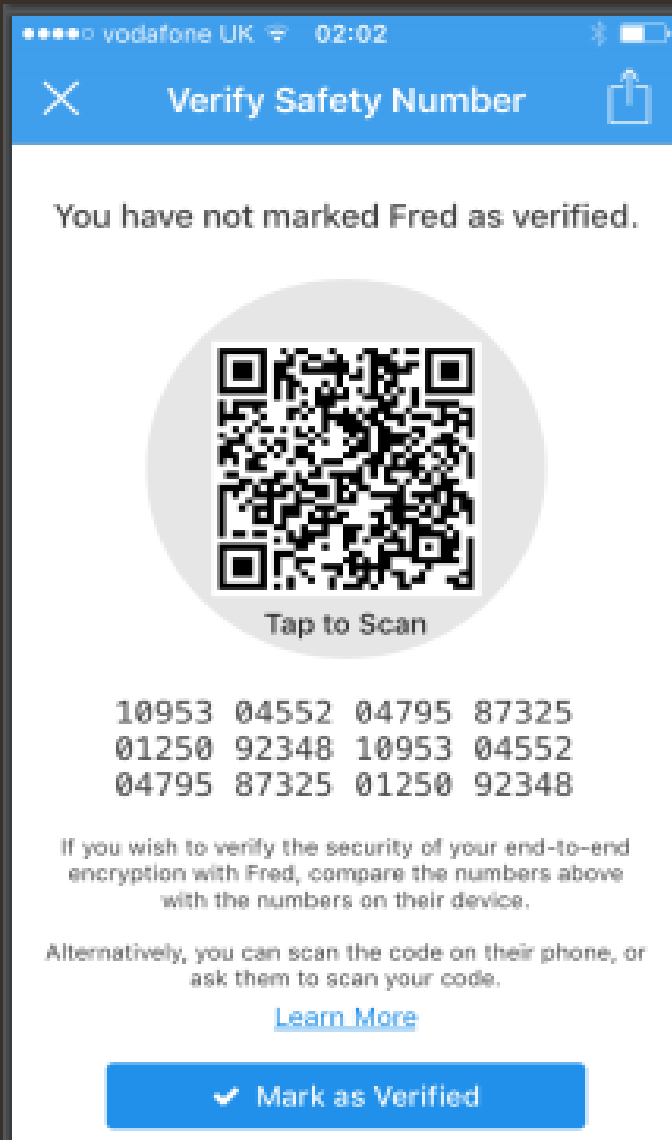
Android
(4.11.5)

LET'S TRY IT

- iOS
 - Download it from App Store
 - Download it from <https://signal.org/>
- Android
 - Download it from Play Store
 - Download it from <https://signal.org/>

SIGNAL IMPORTANT SCREENSHOTS





SIGNAL DESKTOP

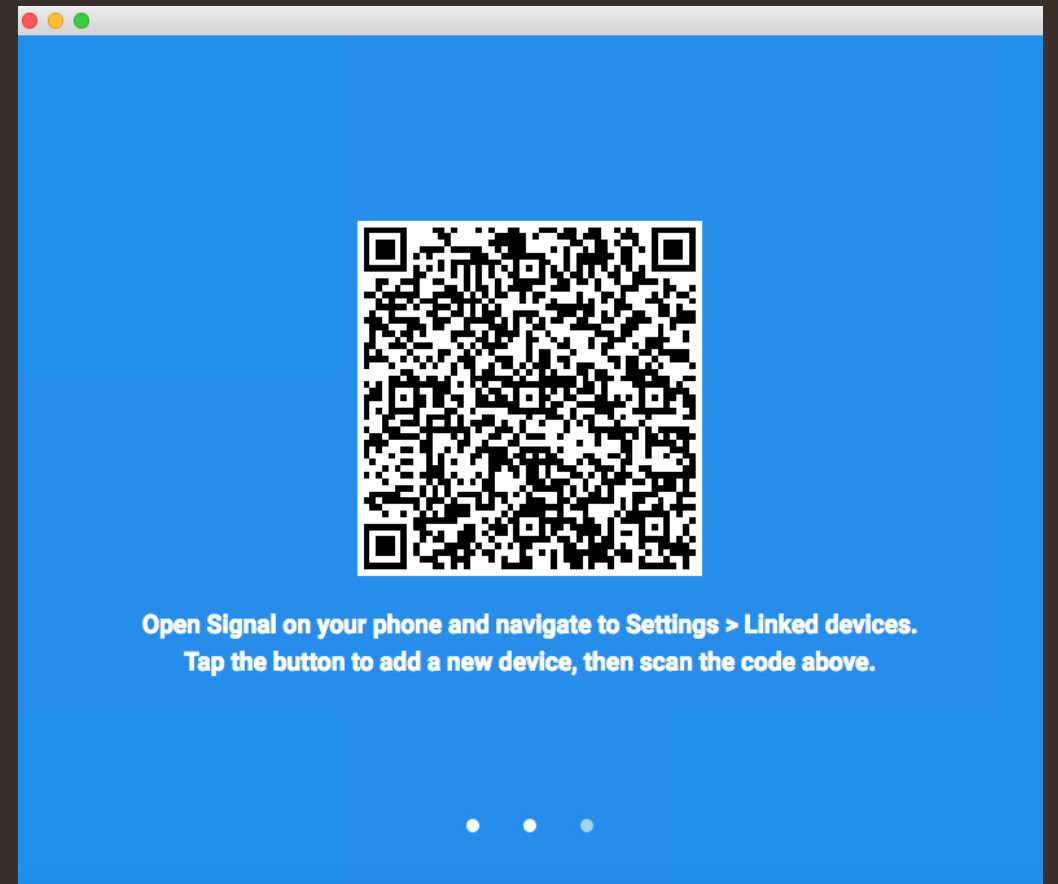
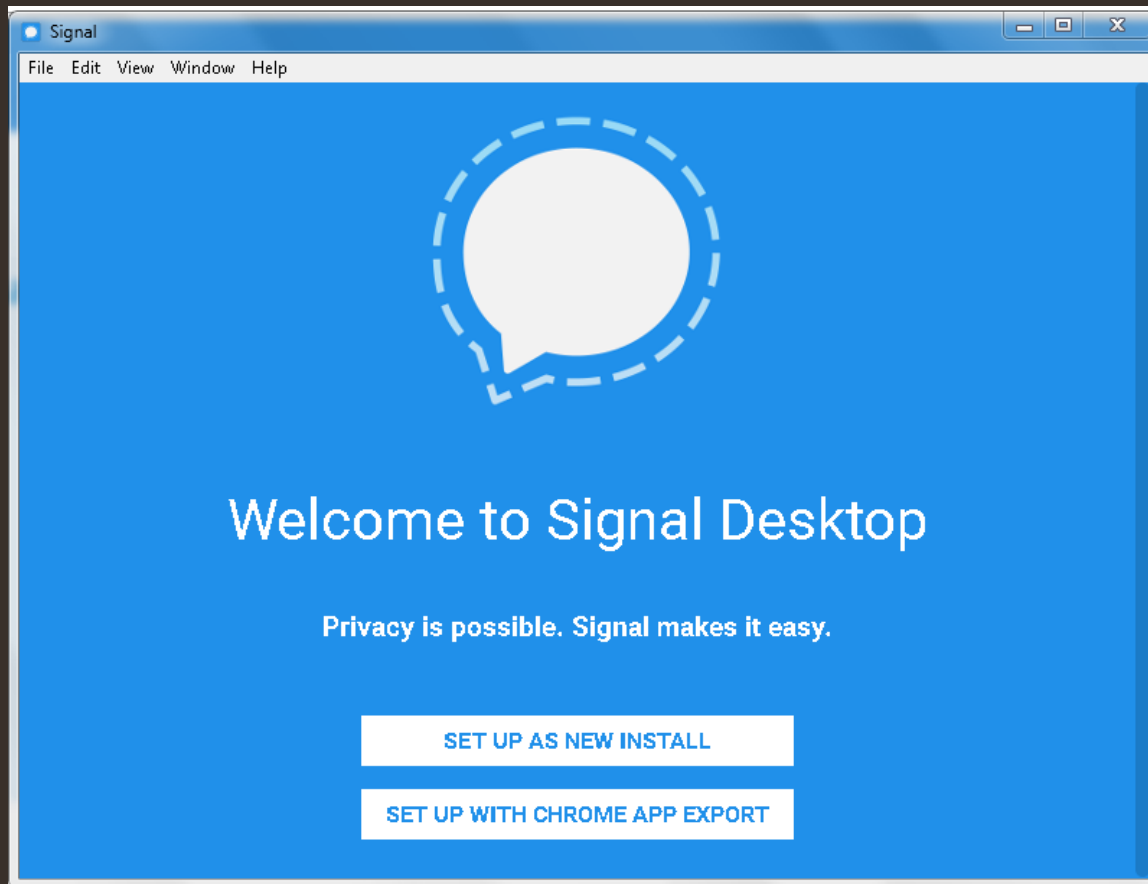
- Standalone application:
 - Windows 64-bit: 7, 8, 8.1 and 10
 - MacOS 10.9 and above
 - Linux.
- Chrome App (version 0.44.5)

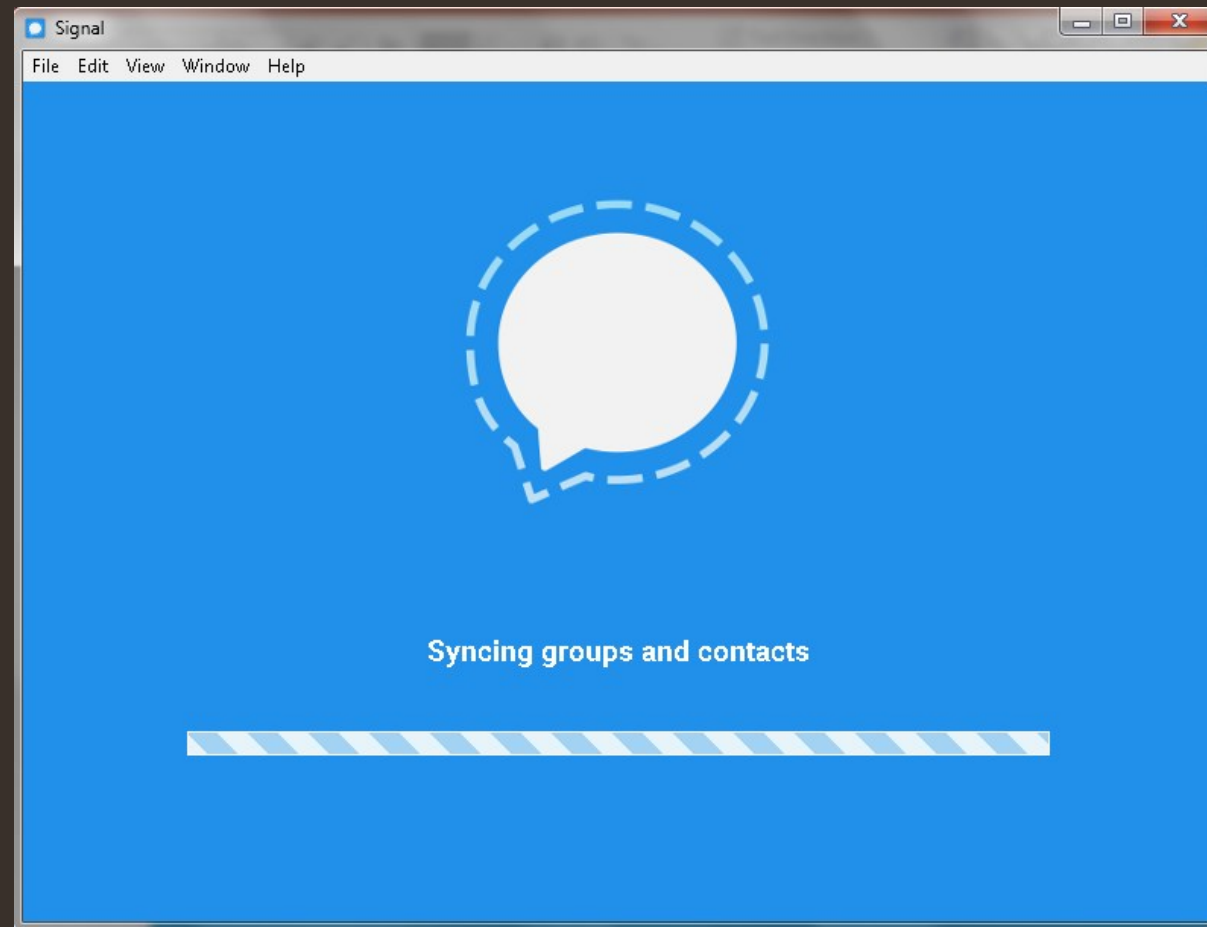
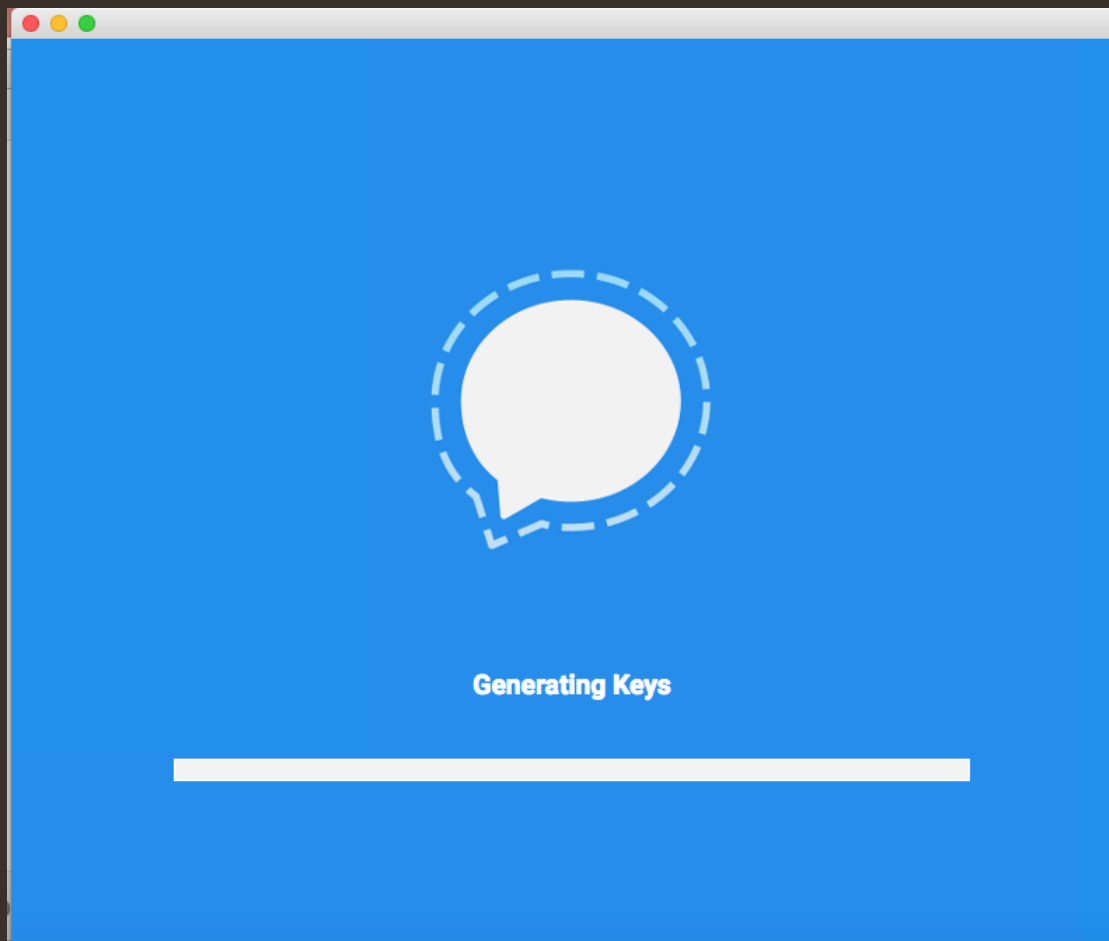
STANDALONE SIGNAL DESKTOP

- Signal in Windows and MacOS:
 - Download the source from <https://signal.org/download/>
- Signal in Linux:

```
$ sudo apt-get install curl  
$ curl -s https://updates.signal.org/desktop/apt/keys.asc | sudo apt-key add -  
$ echo "deb [arch=amd64] https://updates.signal.org/desktop/apt xenial main" | sudo tee  
-a /etc/apt/sources.list.d/signal-xenial.list  
$ sudo apt update && sudo apt install signal-desktop
```

SIGNAL DESKTOP IMPORTANT SCREENSHOTS





Settings



Theme

- ☐ Android
- ☐ Android (dark)
- ☒ iOS

☐ Hide menu bar

Notifications

When messages arrive, display notifications that reveal:

- ☒ Both sender name and message
- ☐ Only sender name
- ☐ Neither name nor message
- ☐ Disable notifications

☐ Play audio notification

Contacts

Import all Signal groups and contacts from your mobile device.

Import now

Last import at 11/3/2017 9:19:05 PM

USEFUL LINKS

- <https://signal.org/blog/goodbye-encrypted-sms/>
- <https://signal.org/blog/safety-number-updates/>
- <https://signal.org/blog/private-contact-discovery/>