

5 SECURED MESSAGING APPLICATIONS

Discussion



អង្គការទិន្នន័យអំពីការអភិវឌ្ឍ
Open Development Cambodia

**ARE YOU USING ANY SECURED
MESSAGING APPLICATION?**



**WHY ARE YOU USING THOSE
SECURED MESSAGING
APPLICATIONS?**



WHAT IS SECURED MESSAGING APPLICATION?



SECURED MESSAGING APPLICATION

Fig. 1b: End-to-end encryption

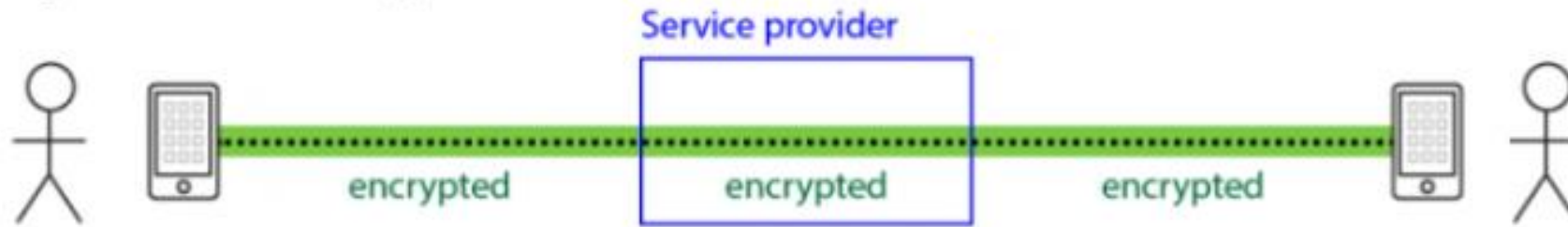


Fig. 1c: End-to-end encryption (no service provider)



SIGNAL PRIVATE MESSENGER



- Claim endorsement from Edward Snowden
- Under Open Whisper Systems
- iOS & Android & desktop
- Advanced end-to-end encryption
- Free & Open Source
- Features:
 - Highly encrypted voice calls
 - Group chat
 - Media transfer
 - Archive
 - Self-destructed message
- Available as Chrome plugin for Chrome Browser



“ Use anything by Open Whisper Systems.

Edward Snowden, Whistleblower and privacy advocate



WHATSAPP

- Partner with Open Whisper Systems to integrate end-to-end encrypted chat protocol as signal
 - Only sender and receiver can read the message
- Voice, photo, video, GIF, video call, group chat
- Web feature as well
- Free download & No ads



TELEGRAM

- No third-party access to a user data
- Secret Chat features:
 - Self-destructed messages across all devices
 - Set self-destructing in a set of time
- Setup bot for specific task
- Free



WICKR ME — PRIVATE MESSAGE

- Advanced vetted end-to-end encryption
- Private, self-destructed message
- Required no phone number / email address
- Not store any metadata associated with your communication.
- Shredder feature:
 - Irreversible delete all chats, shared media content
- Expiration timer for message
- Free to use + no ads



SILENCE

- Known as SMS Secure
- End-to-end encryption
- Use Axolotl encryption protection
- If other party does not install the app, still can communicate with other like regular SMS application
- Need no server / internet
- No register / signup
- Free and open source
- Only android



DISCUSSION:

WHICH ONE TO CHOOSE?

