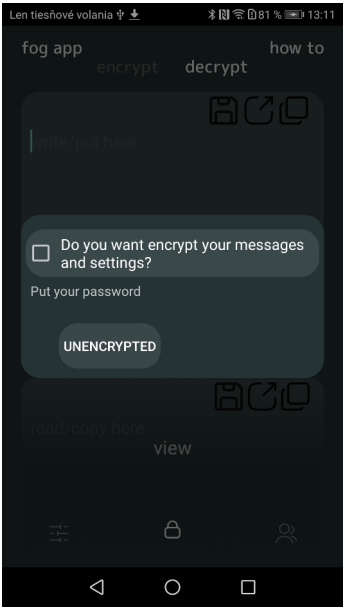
User manual

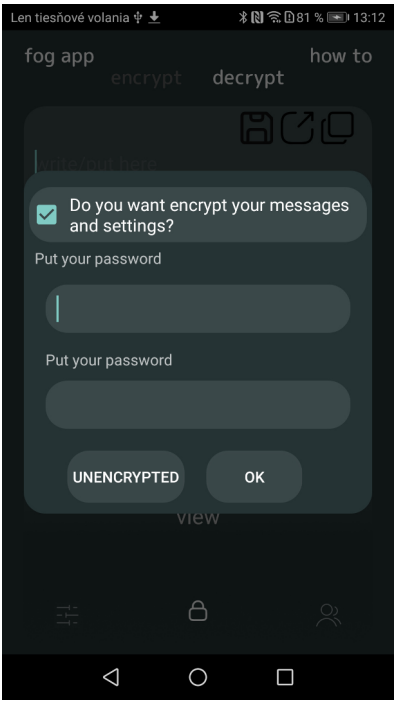
content

about

1. first start

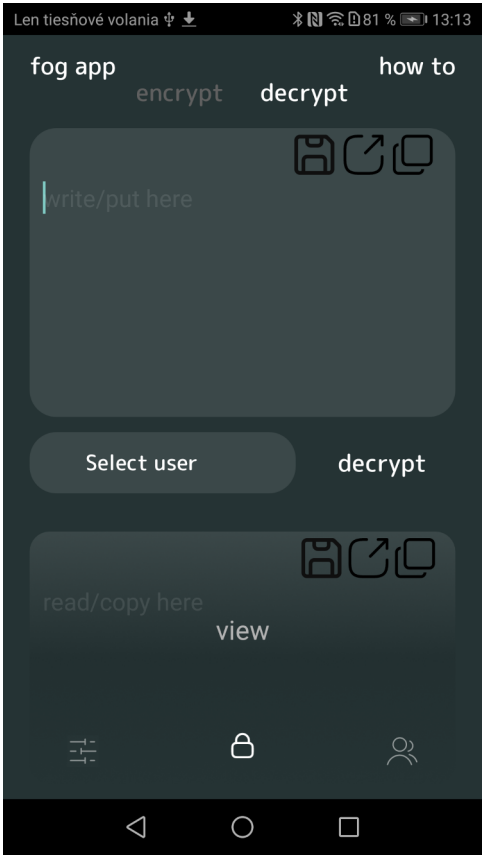


- Choose whether you want to encrypt all thread messages and settings stored on your persistent memory (disk). Encryption is recommended!

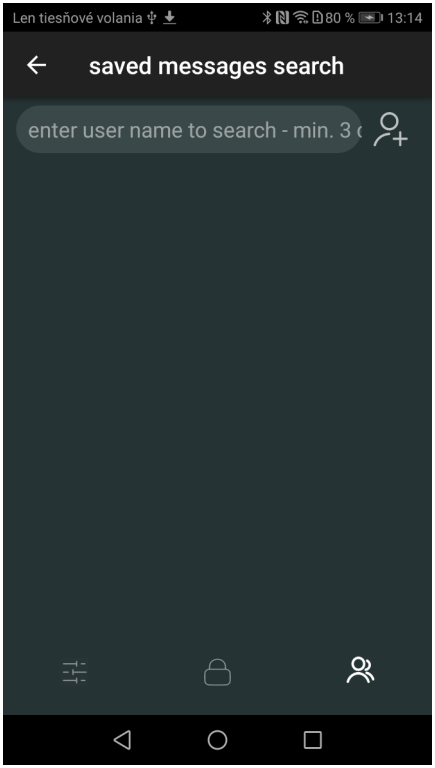


- Enter the password that will be used as the encryption key for your messages and settings stored on disk.
In this version, the key cannot be changed later, as it would require re-encrypting all stored data. This may be supported in the future

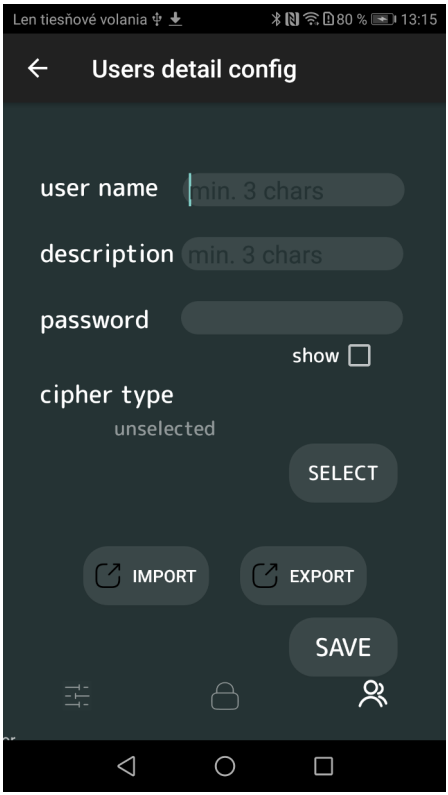
2. main screen



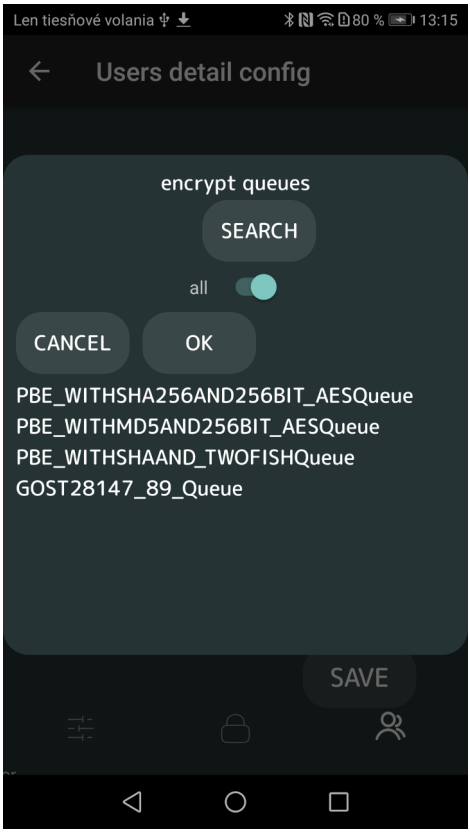
3. create or import user (my)

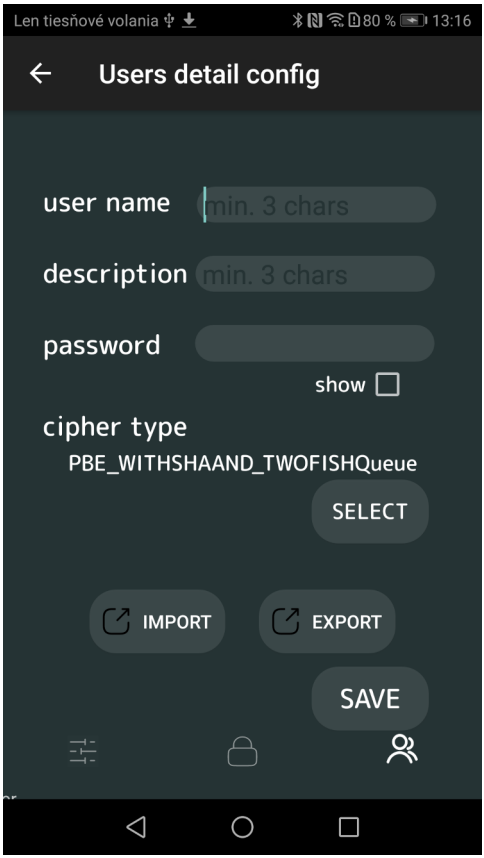


+ new or select exists

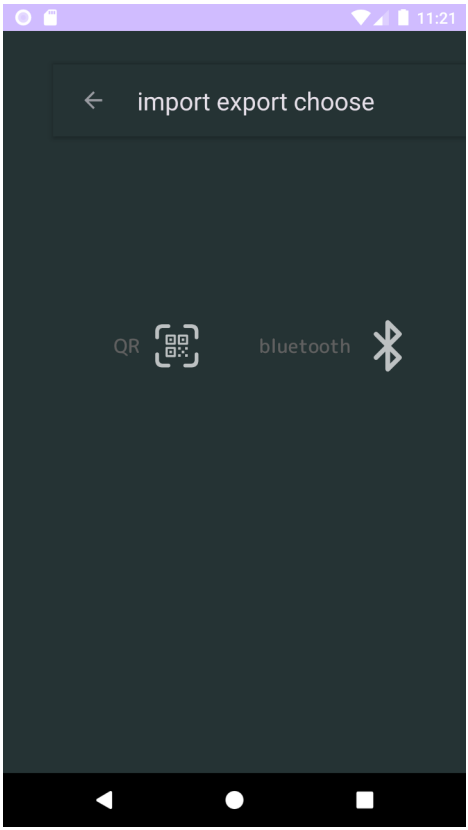


cipher type SELECT

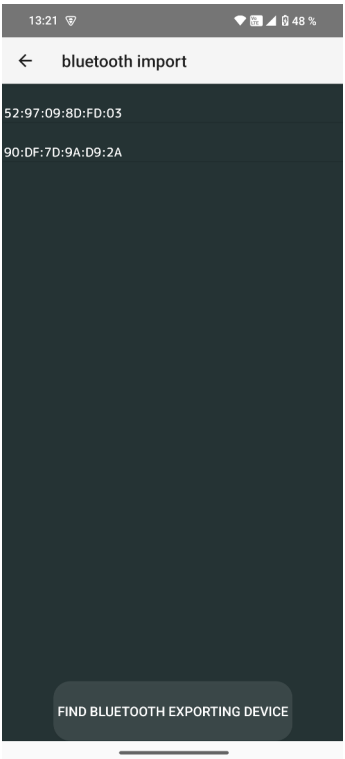

Len tiesňové volania
80 %
13:15
Users detail config
encrypt queues
SEARCH
all
CANCEL
OK
PBE_WITHSHA256AND256BIT_AESQueue
PBE_WITHMD5AND256BIT_AESQueue
PBE_WITHSHAAND_TWOFISHQueue
GOST28147_89_Queue
SAVE



fill-up all user properties or import it



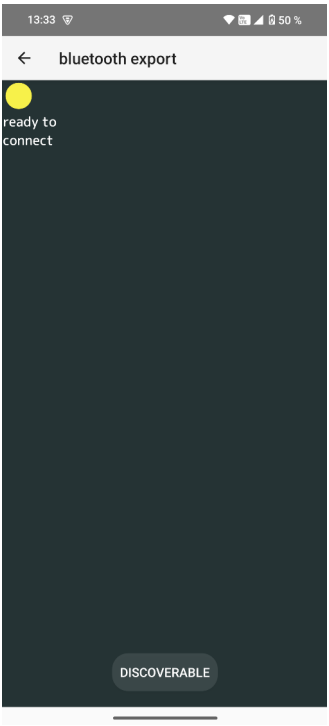
import it



Import via Bluetooth. Please turn on Bluetooth on your device first.
Once your chosen device appears, click on it to connect.

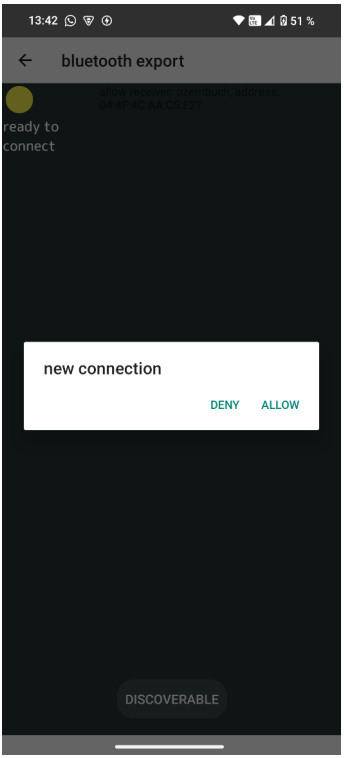
4. export user

On the exporting device, allow or deny the connection request.
If the import is successful, the user details screen will appear again. To save the user, click 'SAVE'.
Note: QR code export/import supports up to 1024 characters.

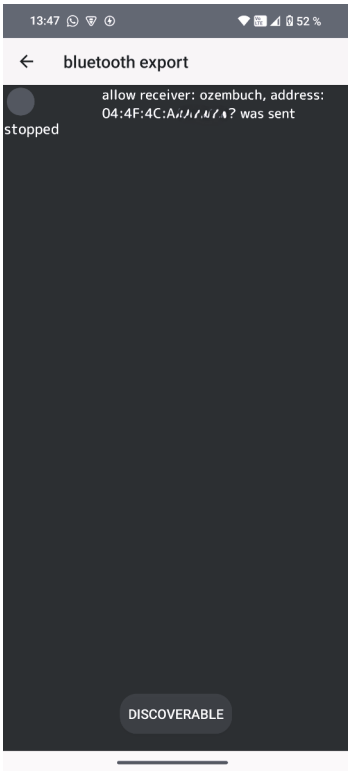


user Bluetooth export

To allow the app to find your device for user import, tap 'DISCOVERABLE'.



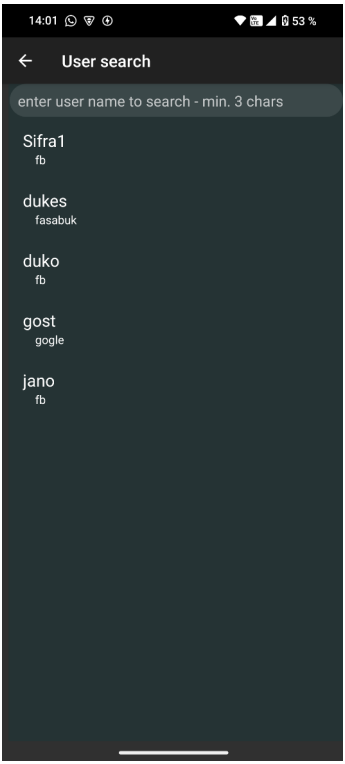
Allow it to complete the import successfully.



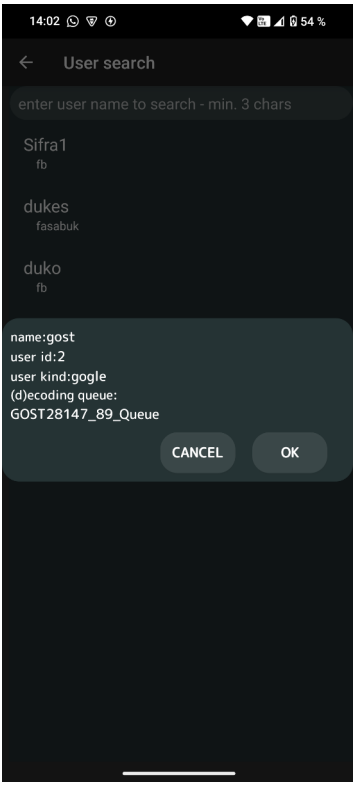
The approved receiver will be displayed after a successful transfer.

5. main using

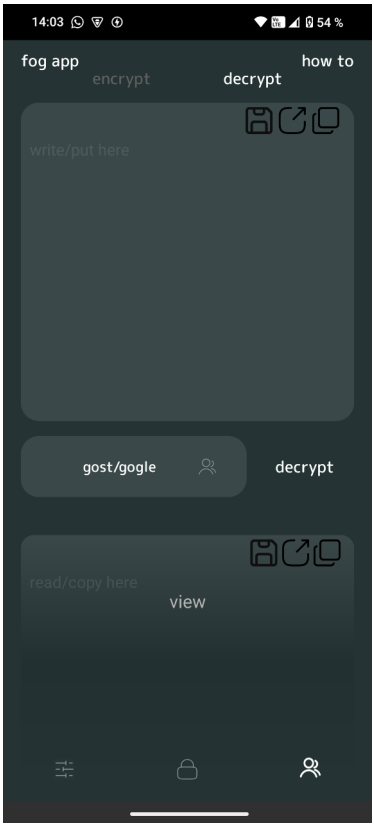
Navigate to the main screen and select a user:


14:01
53 %
User search
enter user name to search - min. 3 chars
Sifra1
fb
dukes
fasabuk
duko
fb
gost
gogle
jano
fb

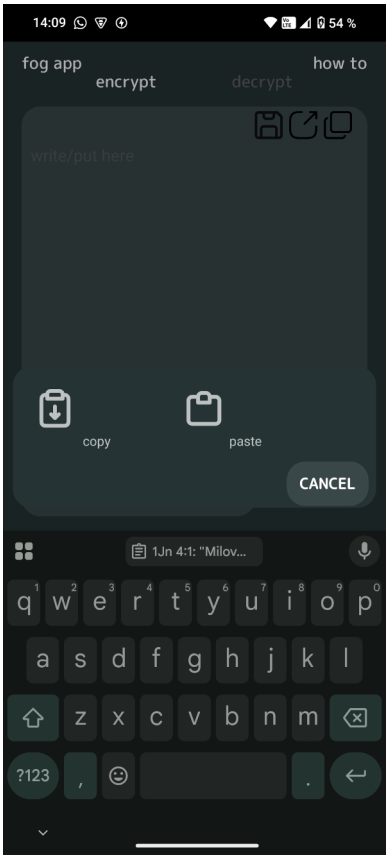
select user

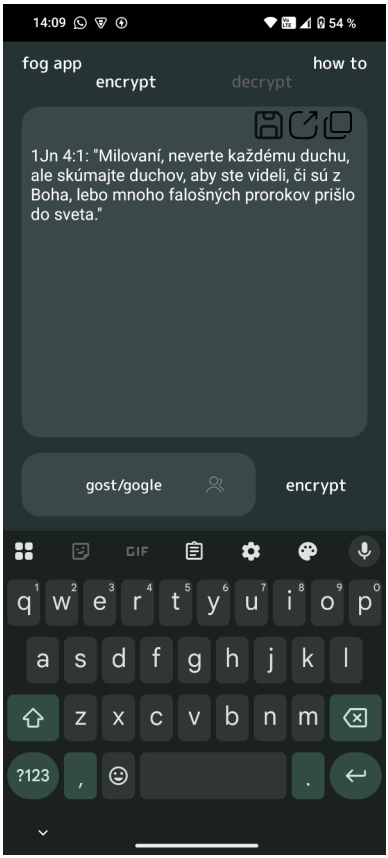


selected user description

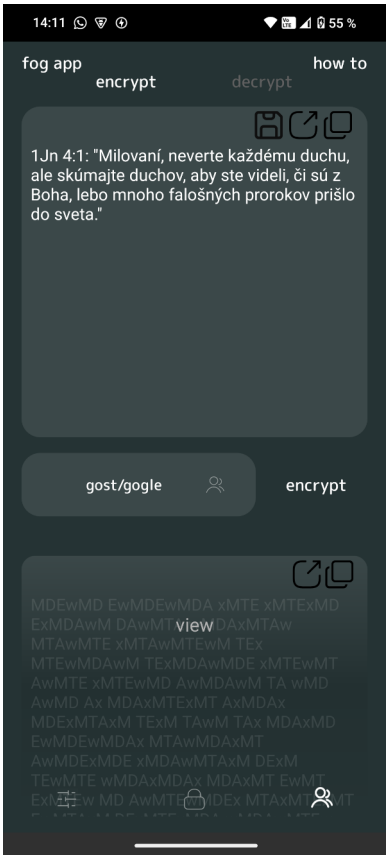


Select 'Encrypt'. In the window that appears, you can paste content from the clipboard, by 


14:09
54 %
fog app
encrypt
decrypt
how to
write/put here
copy
paste
CANCEL
1Jn 4:1: "Milov...



pasted text to encrypt.. push button “encrypt” (next to selected user)



You can now view the content, copy it, or using export it via Bluetooth or QR code to another device, or share it using your preferred communication channel (such as email or a messaging app).

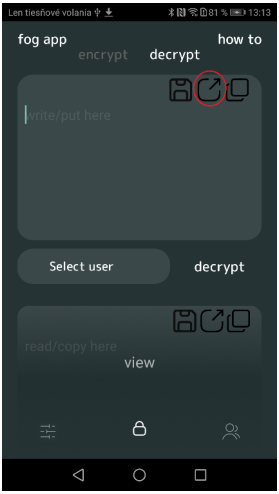
6. offline using

To ensure maximum security, it's best to use the fog app in offline mode (with Wi-Fi and other internet connections disabled) to prevent any unauthorized (and potentially dangerous) communication by unknown software on your device.

For smoother data transfer, it's recommended to use two instances of the Fog app: one installed on an online device (e.g., a mobile phone) for import/export purposes only (middle fog-app), and the main fog app installed on an offline device for secure data handling.

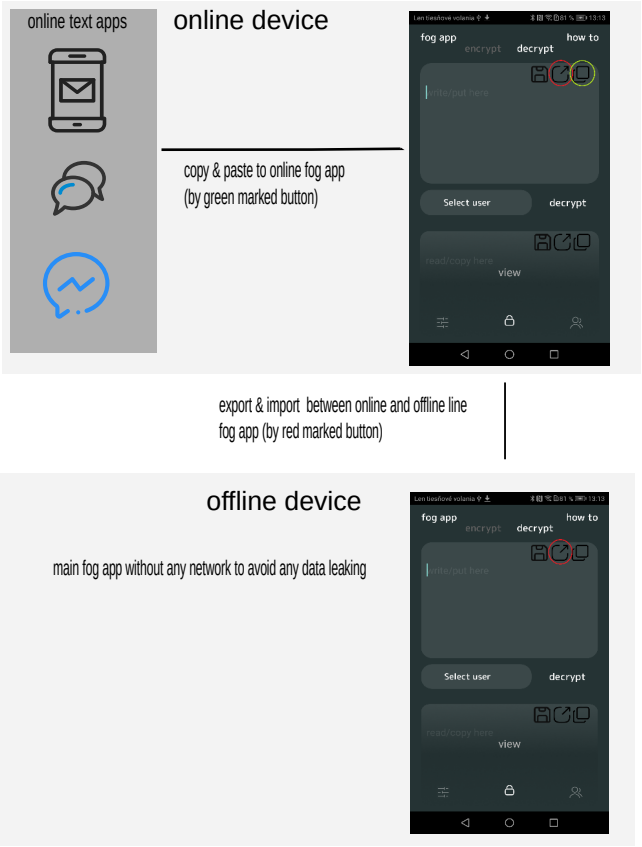
example: encrypted text from your internet channel, further: i.ch. (messenger, e-mail,..):

- copy encrypted text from i.ch. to one of text areas on middle fog-app, where button  can be used to export into main fog app (It works in a similar way to user import/export.)



- on the main fog app on the you selected text area by the same button select the import and import encrypted text from middle fog-app

example encrypted text from your main device fog-app to “i.ch.”: It`s similar as before, using reverse order flow..

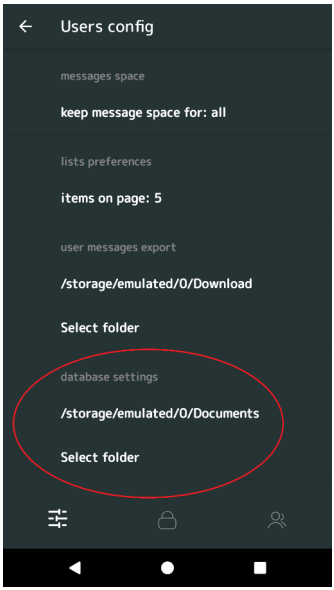


7. database export/import

To use a different instance or version of the fog app, you can migrate all your data between the two instances. .

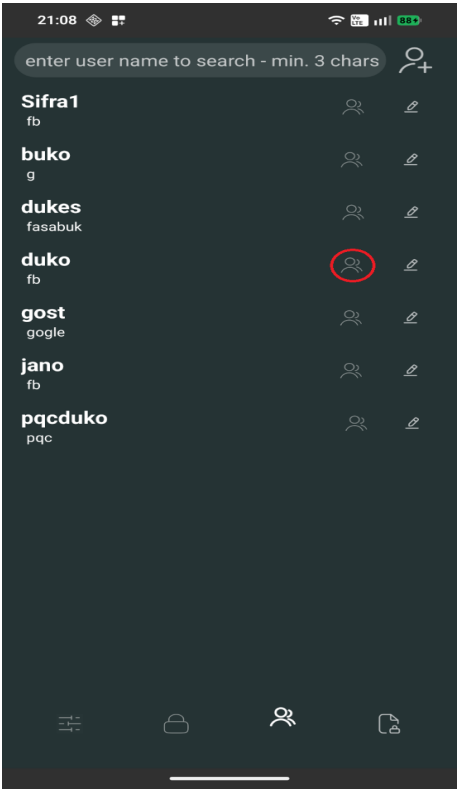
First, define the destination where the exported file will be stored or expected.

- go to preferences (by ) and set “database settings”

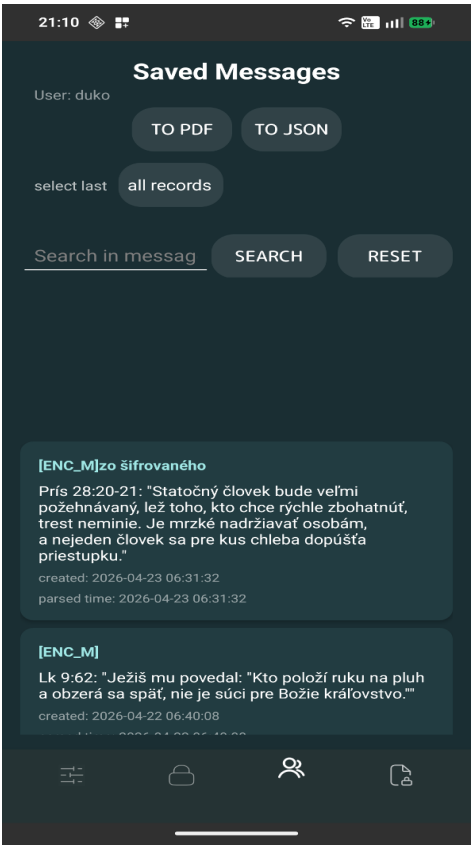


- for export: go to database (by) and select “database export”
  then push button “Start export”
- for import go to database (by) and select “database import”
  first, use the button to select the SQL file for import “select file for db import”
  then start import.

8. export/import správ



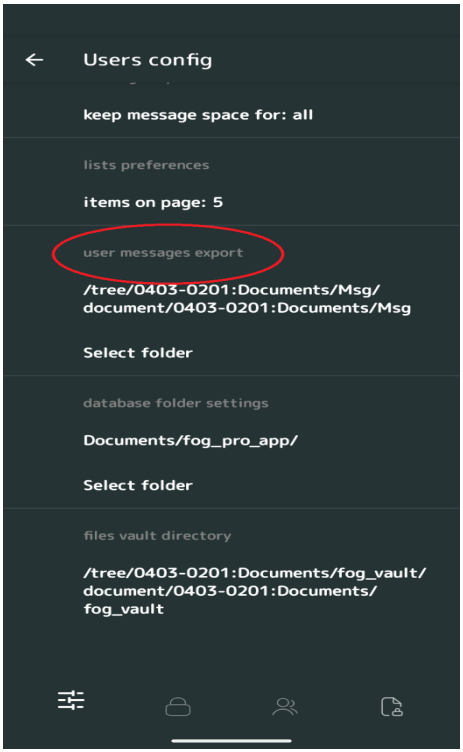
In the user overview, you need to go to the overview of saved messages of the selected user.

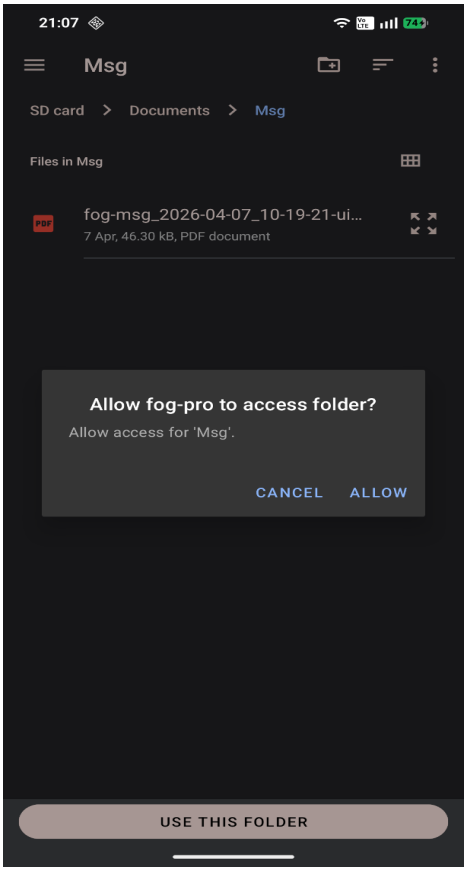


here we have 2 buttons: "TO PDF" and "TO JSON"
Before that, you need to have selected the folder where the individual exports will be saved

Attention – to select and confirm folders

For Android 13 and higher, you should prioritize selecting a folder on an external drive (memory card) as it exclusively uses SAF technology, which allows users to securely browse, select, and manage files (documents, images, videos) across the entire system without requiring applications to have full access to the entire file system. In some newer versions of Android, e.g. 16, this needs to be done even after force stopping the application.

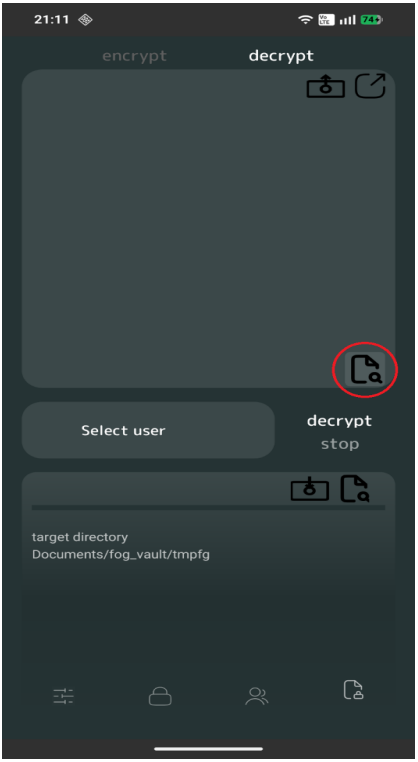

Users config
keep message space for: all
lists preferences
items on page: 5
user messages export
/tree/0403-0201:Documents/Msg/
document/0403-0201:Documents/Msg
Select folder
database folder settings
Documents/fog_pro_app/
Select folder
files vault directory
/tree/0403-0201:Documents/fog_vault/
document/0403-0201:Documents/
fog_vault



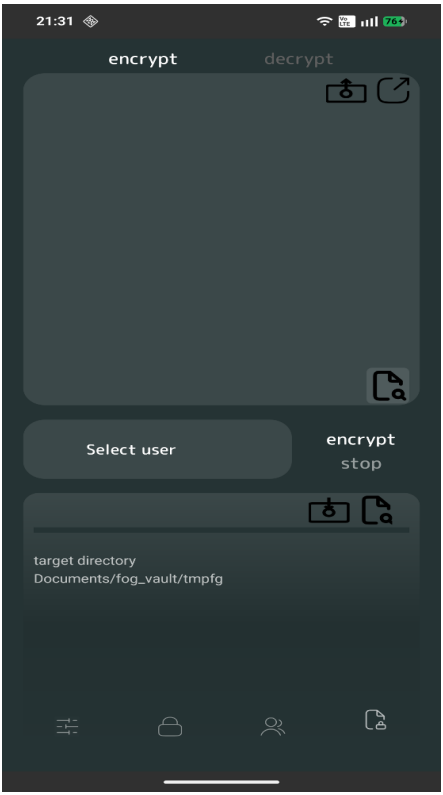
WARNING - Use this folder

You must click "Use this folder" even if the settings have been imported, as this grants permissions to the application if they were not previously granted.

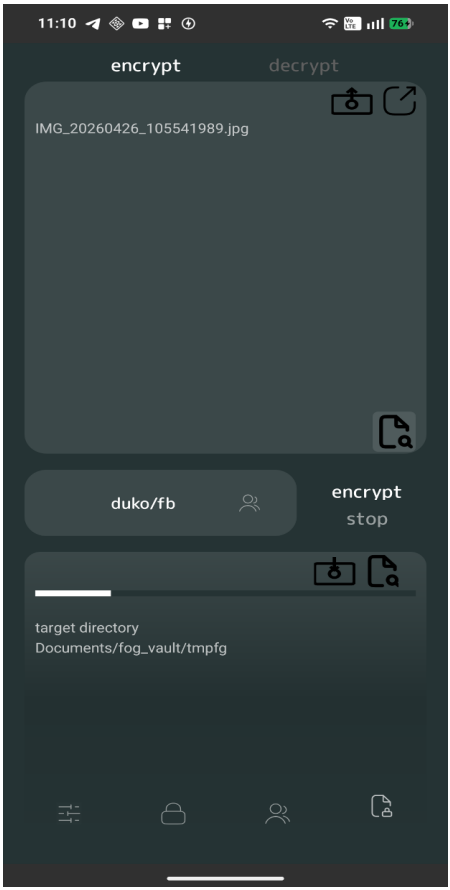
9. file encryption and decryption



- select user (according to: 5. main using)
- Select the file we are going to encrypt using the file search button (marked with a red ellipsis)

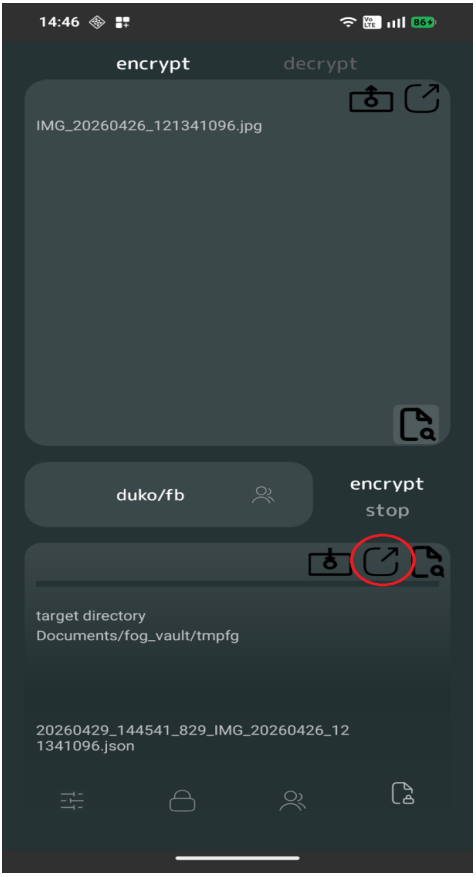
- 

- Press "encrypt"

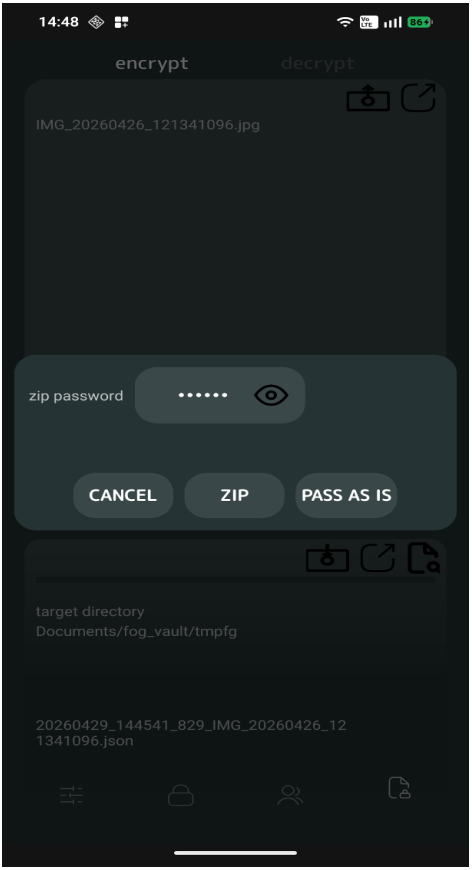
- 

- Encryption itself

encryption finished, export using wifi-direct

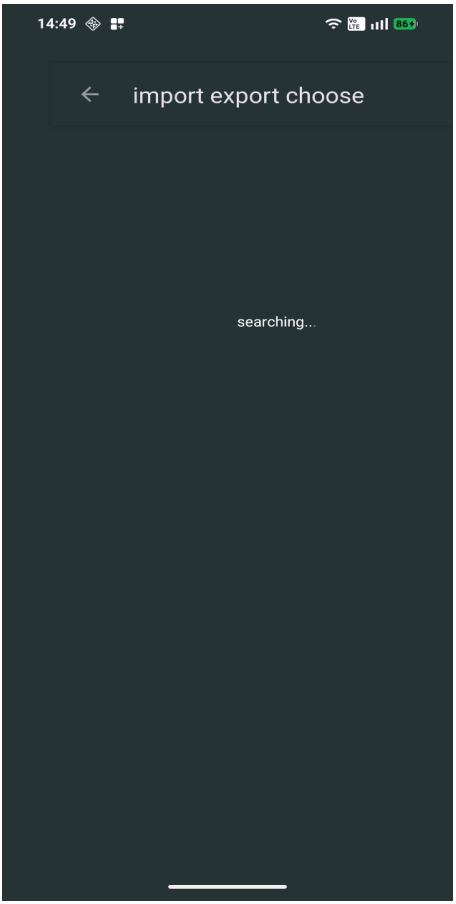


10. file export (wifi-direct)



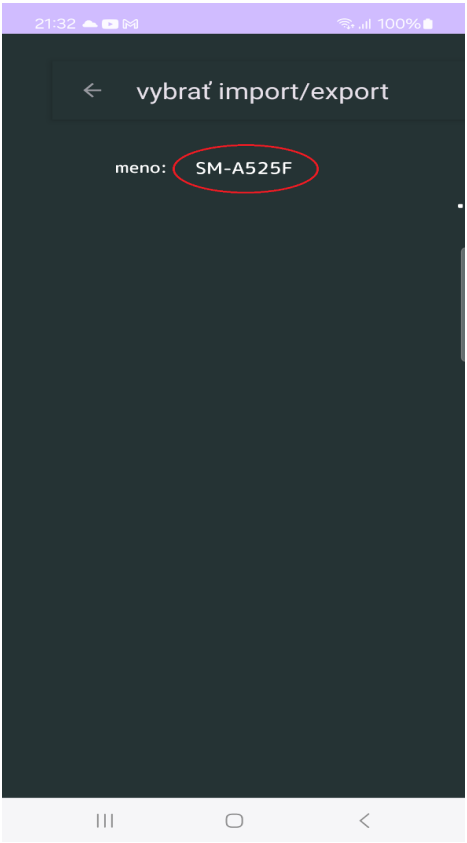
We can export the encrypted file by selecting: "let go" - then it will be sent as is.

Attention: When using it for the first time in a running application, WIFI-DIRECT may not work properly immediately, as WIFI may be busy with another application at that time.



searching for a second wifi-direct that acts as an importer

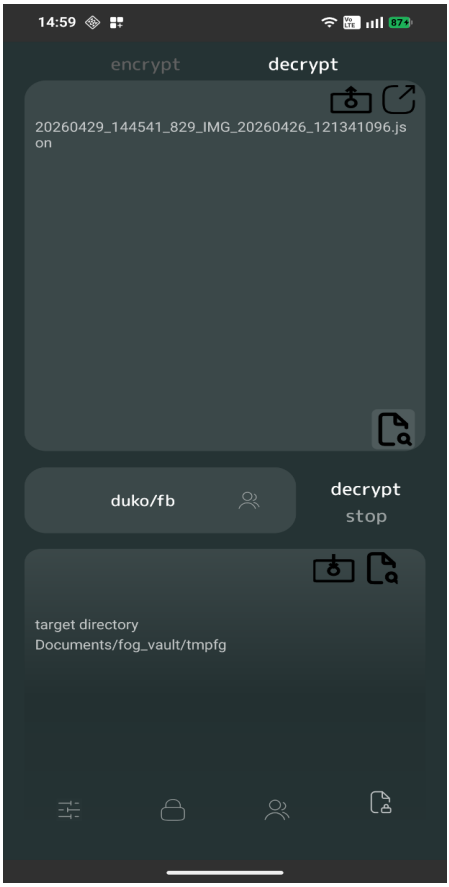
11. file import (wifi-direct)



- press "import" wifi-direct

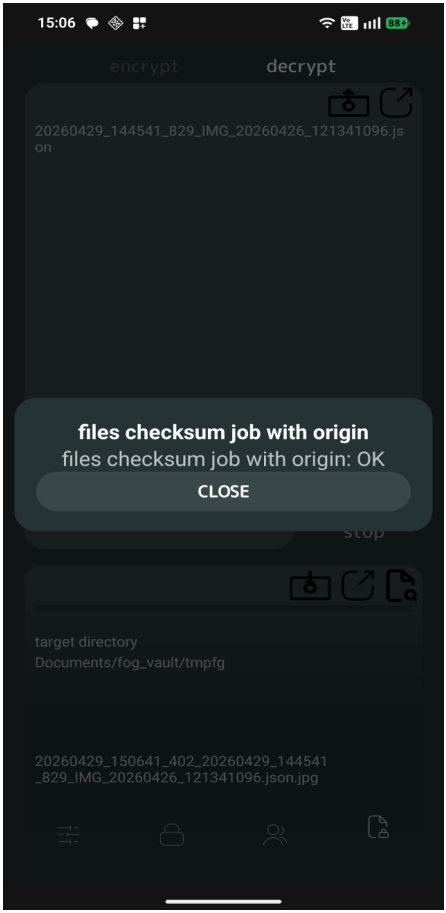
- select found importing via wifi-direct

• the importer will show the received file after the progress bar is finished:
and we will try to decrypt it here…



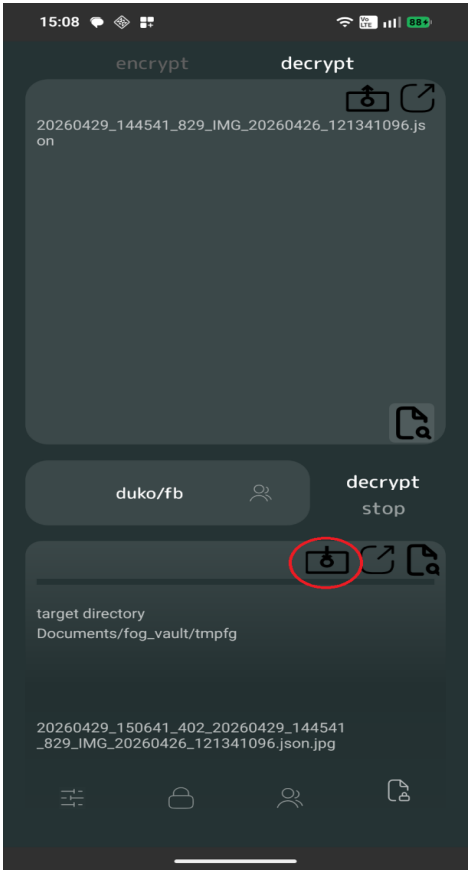
12. dešifrovanie súboru

select the user and click "decrypt"

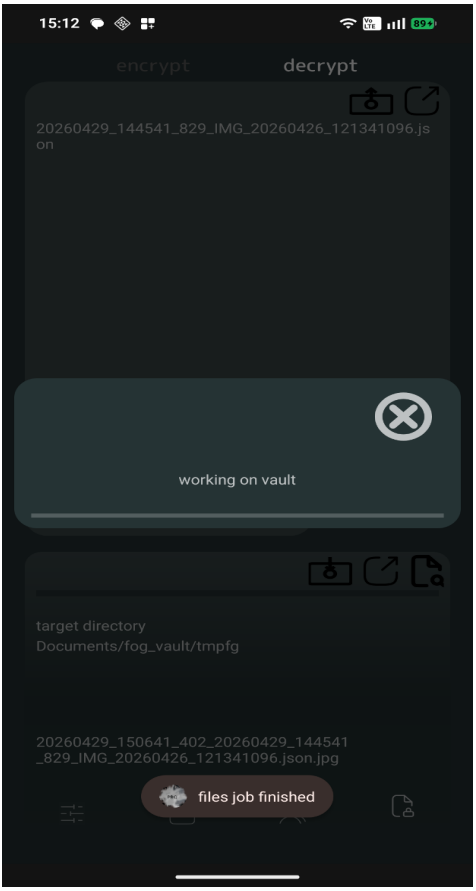


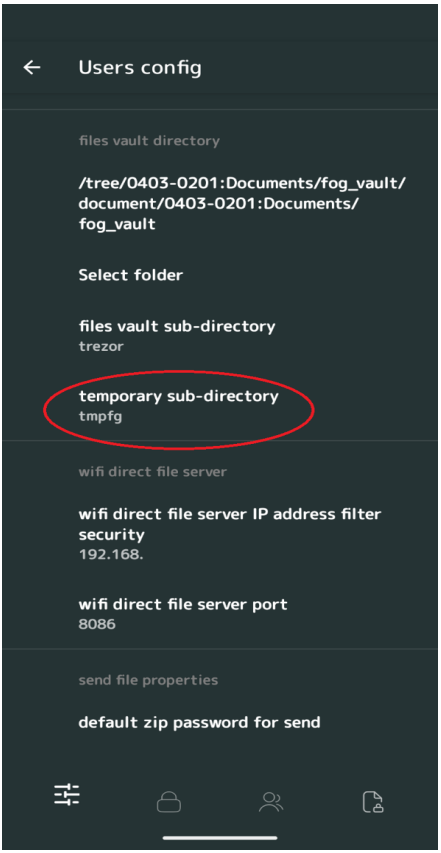
at the end of decryption, the integrity of the decrypted file is checked

13. Working with the safe - deposit



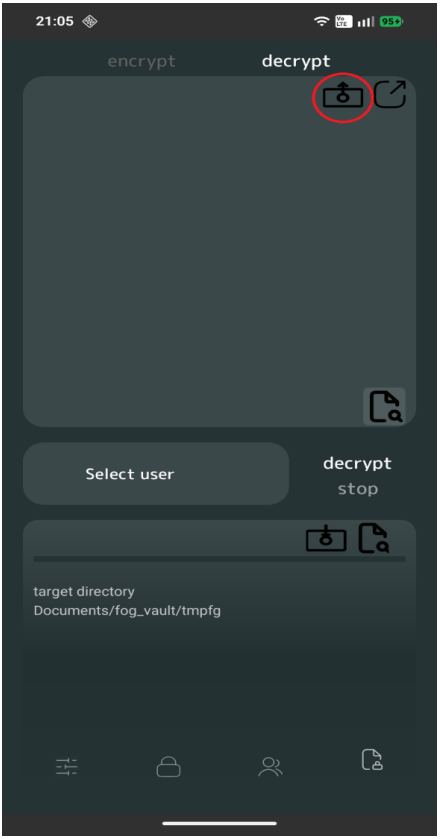
- press the button - we put it in the safe


15:12
encrypt
decrypt
20260429_144541_829_IMG_20260426_121341096.json
working on vault
target directory
Documents/fog_vault/tmpfg
20260429_150641_402_20260429_144541_829_IMG_20260426_121341096.json.jpg
files job finished

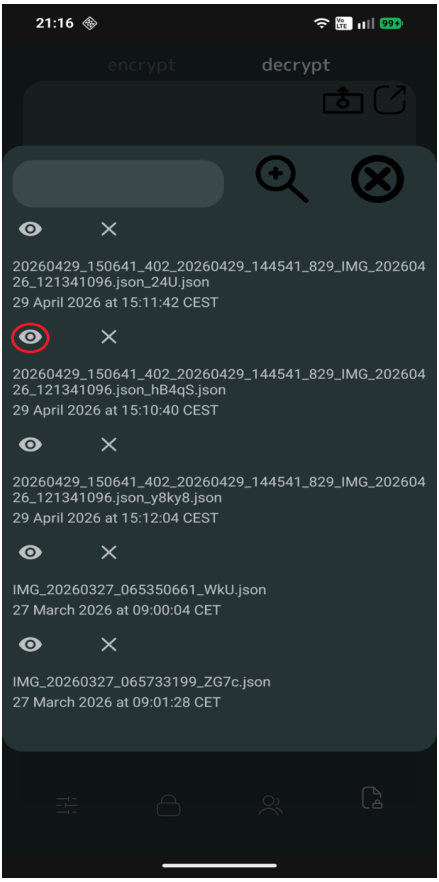


- the decrypted file can be found in the subdirectory of the "file vault directory" setting - "Temporary subdirectory"

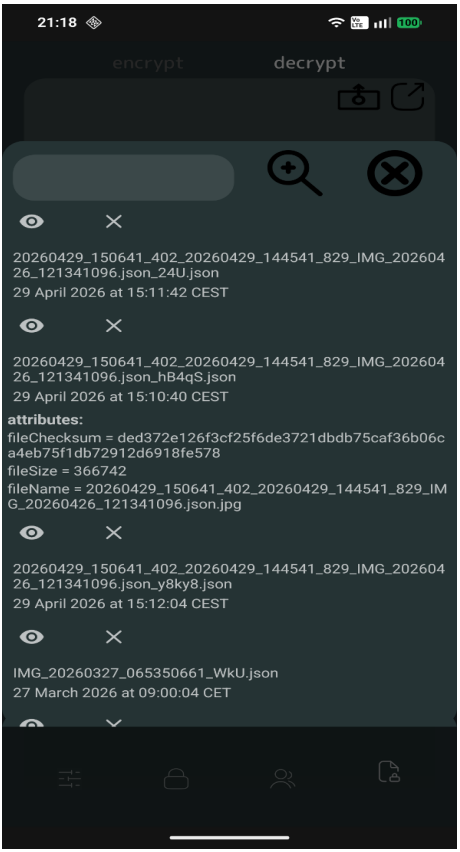
14. Safe deposit box withdrawal



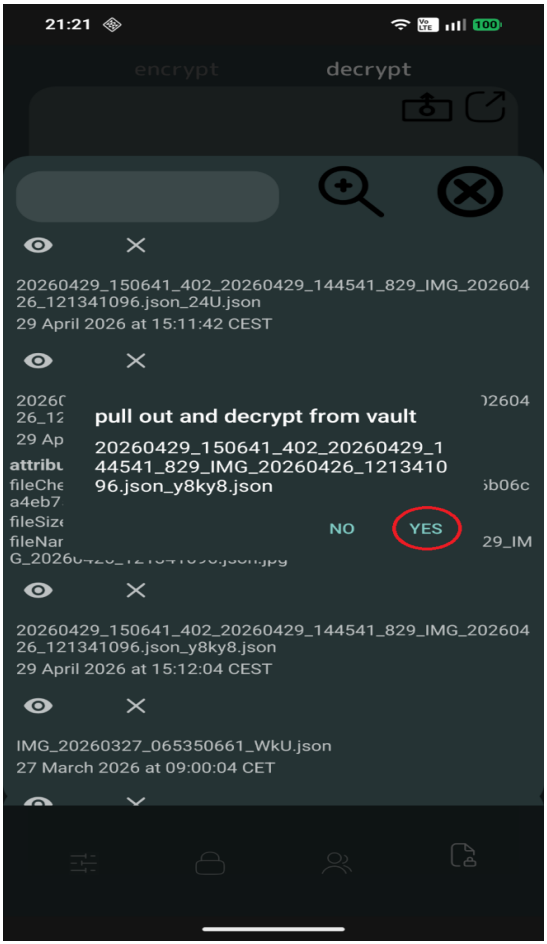
- select user
- press the safe deposit box selection button

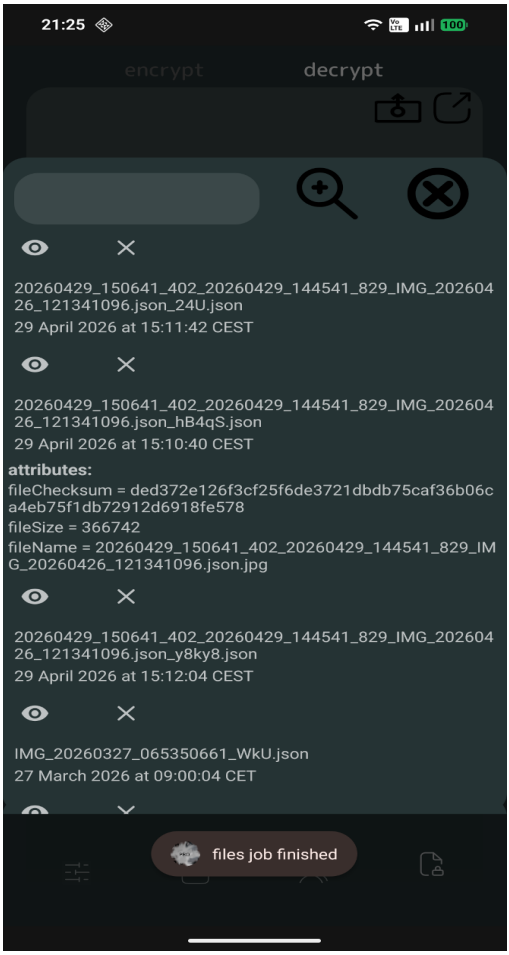

21:16
encrypt
decrypt
20260429_150641_402_20260429_144541_829_IMG_20260426_121341096.json_24U.json
29 April 2026 at 15:11:42 CEST
20260429_150641_402_20260429_144541_829_IMG_20260426_121341096.json_hB4qS.json
29 April 2026 at 15:10:40 CEST
20260429_150641_402_20260429_144541_829_IMG_20260426_121341096.json_y8ky8.json
29 April 2026 at 15:12:04 CEST
IMG_20260327_065350661_WkU.json
27 March 2026 at 09:00:04 CET
IMG_20260327_065733199_ZG7c.json
27 March 2026 at 09:01:28 CET

- By pressing the "eye" icon we get details about the file



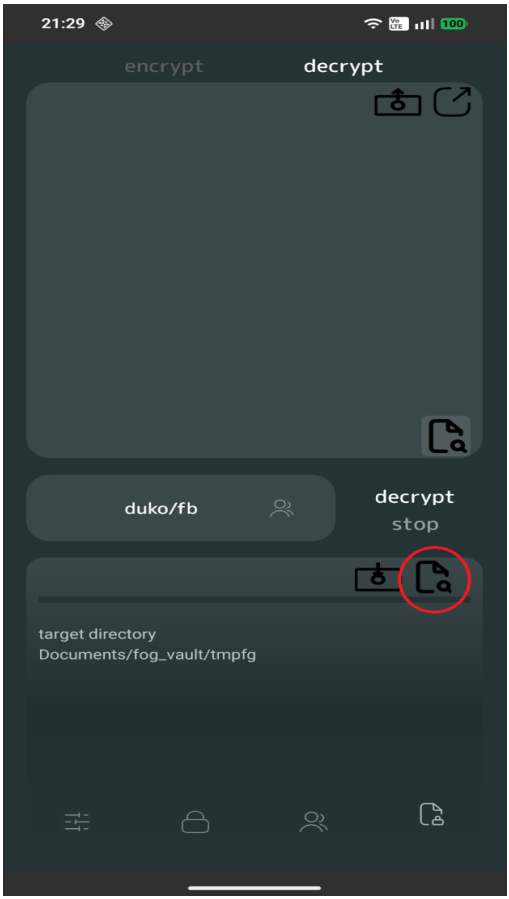
- Click on the "x" to delete the file.
- by returning to the vault overview and clicking on the item


21:21
encrypt
decrypt
20260429_150641_402_20260429_144541_829_IMG_202604
26_121341096.json_24U.json
29 April 2026 at 15:11:42 CEST
pull out and decrypt from vault
20260429_150641_402_20260429_1
44541_829_IMG_20260426_1213410
96.json_y8ky8.json
NO
YES
20260429_150641_402_20260429_144541_829_IMG_202604
26_121341096.json_y8ky8.json
29 April 2026 at 15:12:04 CEST
IMG_20260327_065350661_WkU.json
27 March 2026 at 09:00:04 CET

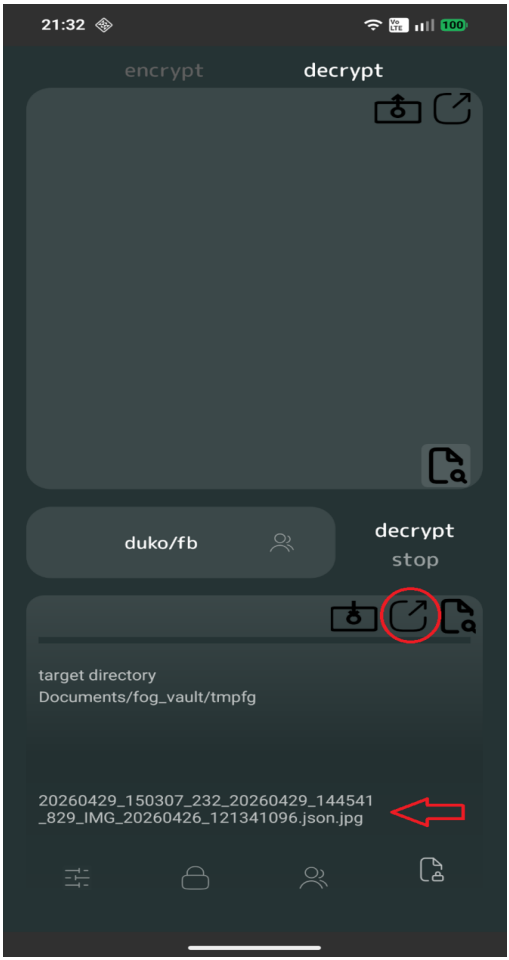


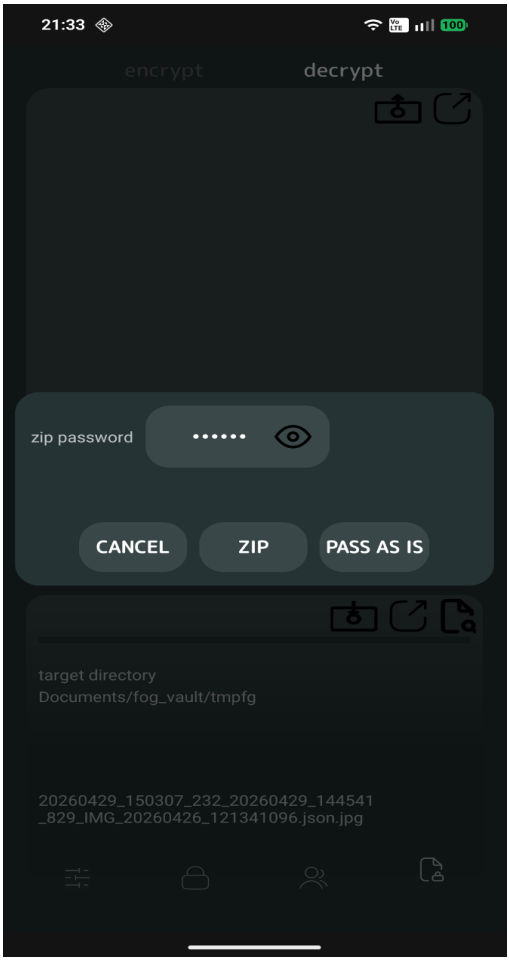
- the file is pulled from the vault

- we can transfer it to another folder (either unsecured or zipped with a password)



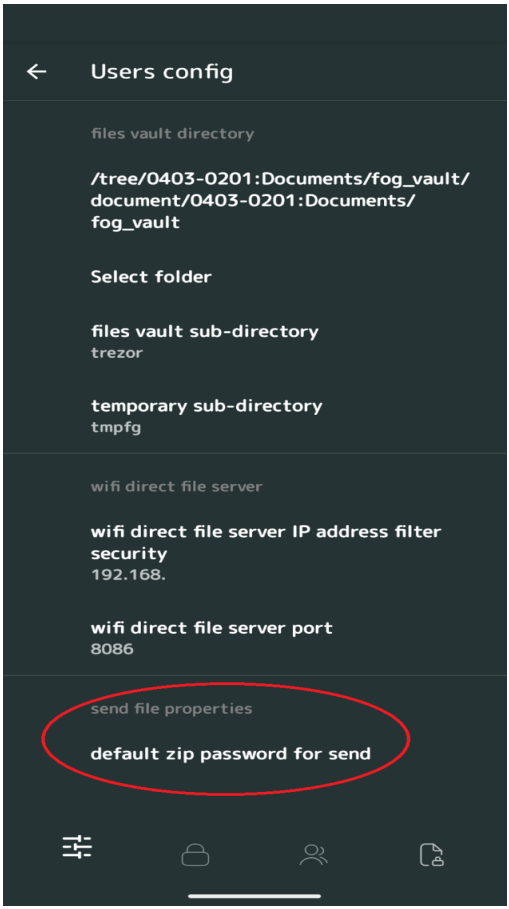
- select to be ready for transfer

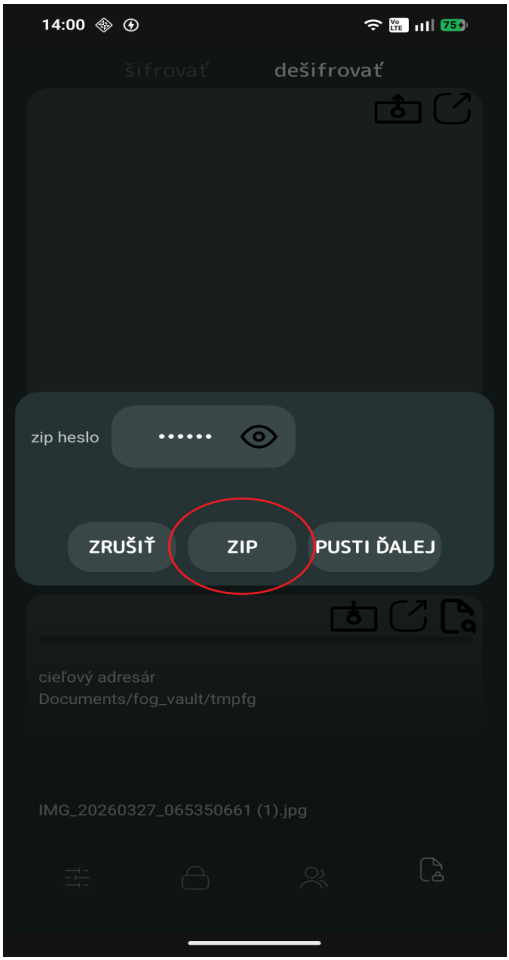

21:32
encrypt
decrypt
duko/fb
decrypt
stop
target directory
Documents/fog_vault/tmpfg
20260429_150307_232_20260429_144541
_829_IMG_20260426_121341096.json.jpg



- it is safer to have the file zipped, password protected

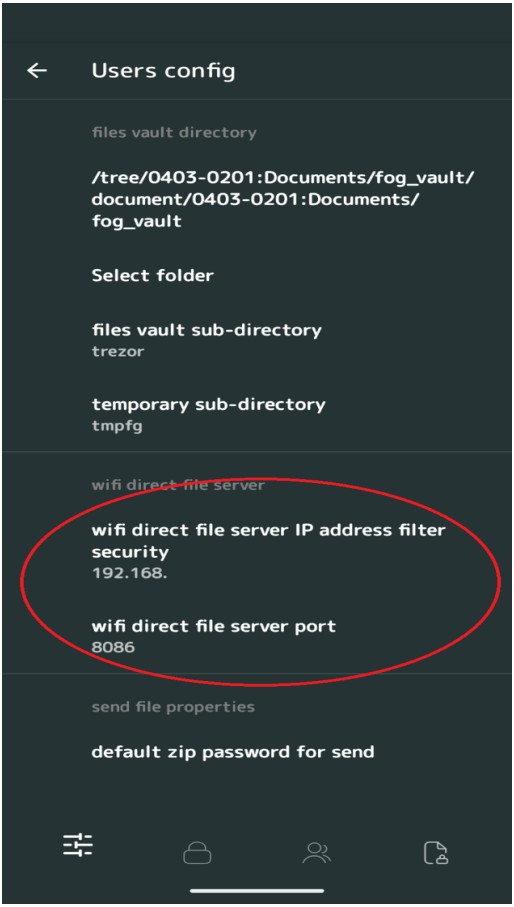
The default zip password can be set in preferences:





- continue as in "encryption finished, export using wifi-direct"

15. Additional settings (preferences)



Setting up enhanced security when using file transfer to other devices using wifi-direct

- IP address filter, importing device
- port of the importing device

16. The durability of the basic attributes of the encrypted file.

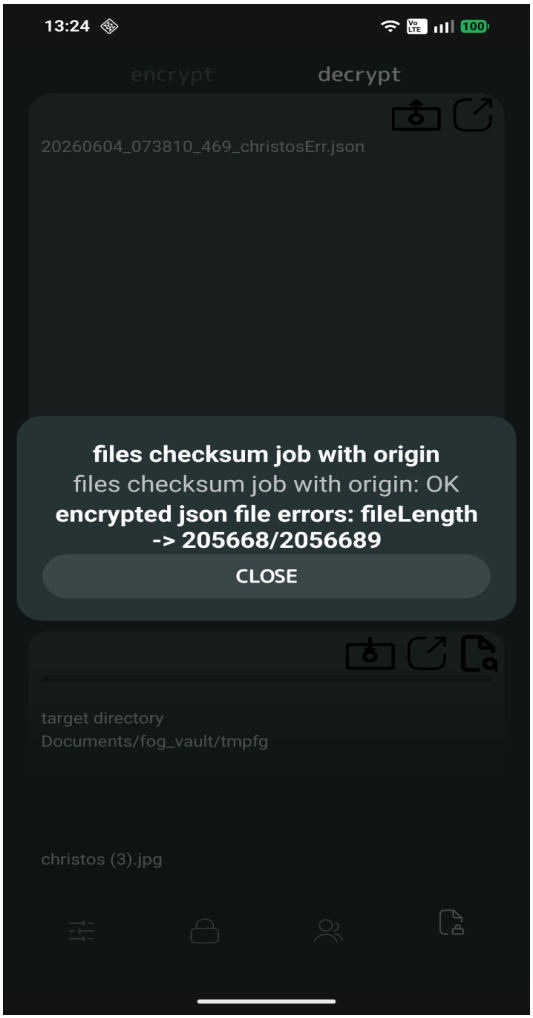
Encrypted json includes (for now) so-called basic attributes (in "attributes"):

- fileName
- fileLength
- checkSum

which can currently be used to search for encrypted files and verify them after decryption (checkSum). The problem is openness and possible modification by hackers during transport over an unprotected network.

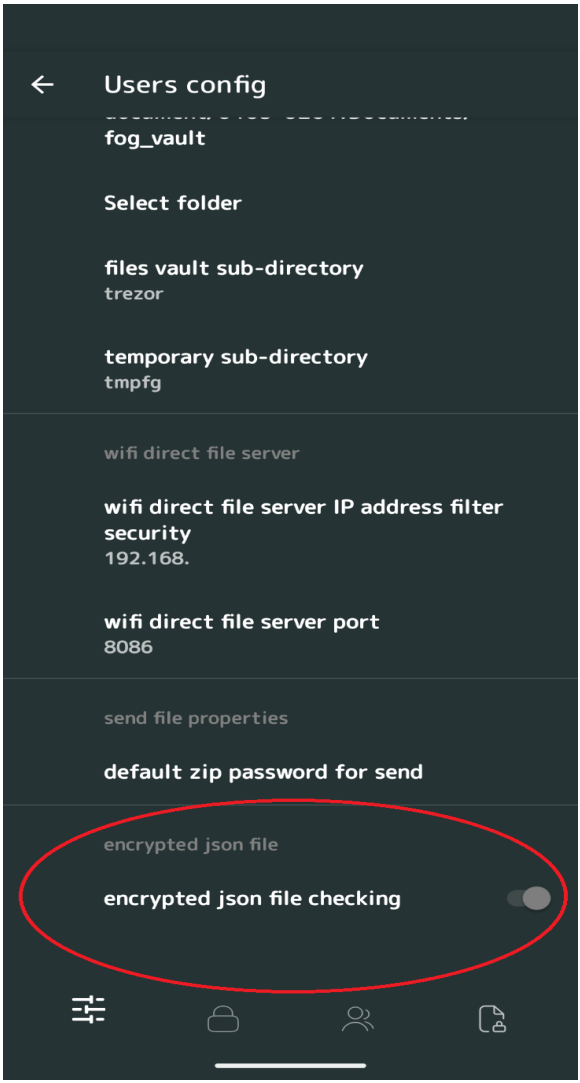

```
    "attributes": {
        "tags": [
            "fileName\u003dIMG_0005.jpg",
            "fileLength\u003d2044390",
            "fileLastModified\u003d1688194026000",
            "fileLastModifiedISO\u003d2023-07-
01T08:47:06+02:00",
            "fileType\u003dimage/jpeg",

"checkSum\u003de80234a9ce8513bc330e3b78031bffb769670332b9f5b011
8cfb39f90f9ce0a7"
        ]
    },

    "private-attributes": "R6+OMYGTobqXcAknS4ox"
```


v "private-attributes" sú tieto tagy zašifrované. Pri dešifrovaní súboru sa oba vyhodnotia , ak je rozpor - zoberú sa ako platné z „private-attributes" a v dialógu sa o tom objaví informácia:



This is how you can actually determine if the file transfer was going through an aggressive environment.

Turning it on (and off) is set in the preferences:


Users config
fog_vault
Select folder
files vault sub-directory
trezor
temporary sub-directory
tmpfg
wifi direct file server
wifi direct file server IP address filter security
192.168.
wifi direct file server port
8086
send file properties
default zip password for send
encrypted json file
encrypted json file checking