









Username

Email

Password

Number

Symbol

Uppercase

7 chars



End-to-end Encrypted

Message Origin Authentication

Plaintext never hits the servers

Tap here to back-up your private key

Create Account





Chats

New Contact

Settings

## Personal Vault



MCRN 3rd Jupi Fleet

No New Messages

Offline

45m ago

MCRN Home Fleet

3 New Messages



Online

Logged in as raven

[Log Out](#)

Chats

New Contact

Settings



&lt;name&gt;

Ghost Mode Enabled

Offline

45m ago



Artanis can go f himself yeeeey

19:38



[Unable To Decrypt]

19:39



You puck

Seen 19:41

You puckfsdklfkldfsjlkjsjlfksdl'fknsklv  
nldnkvl;nkdvl;kansdvlcos;ndvlknbsdvlknllklknfl  
knndsflknndsllkfndslknndsflksndnklfldkl;  
fdkl;fjdkfj

20:12



#D00000

Seen 19:41



#8100D0

Seen 19:41





Chats

New Contact

Settings

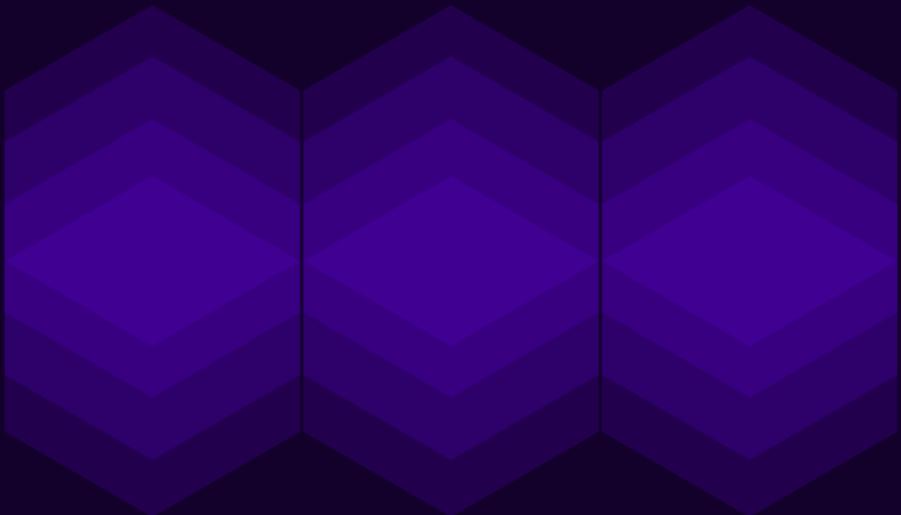


raven

Offline

45m ago

raven wants to connect



Accept

Deny



Chats

New Contact

Settings

Fetching

Private Key Found



Log Out

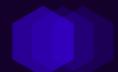


Chats

New Contact

Settings

## Search By Username



&lt;name&gt;

&lt;fe84702bffe0&gt;

## Active Requests

&lt;name&gt;

&lt;fe84702bffe0&gt;

Received

&lt;name&gt;

&lt;fe84702bffe0&gt;

Sent

DEL

Log Out

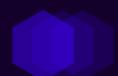


Chats

New Contact

Settings

Search By Username



&lt;name&gt;

&lt;fe84702bffe0&gt;

Request Sent

Active Requests

[Incoming or outgoing requests will appear here]

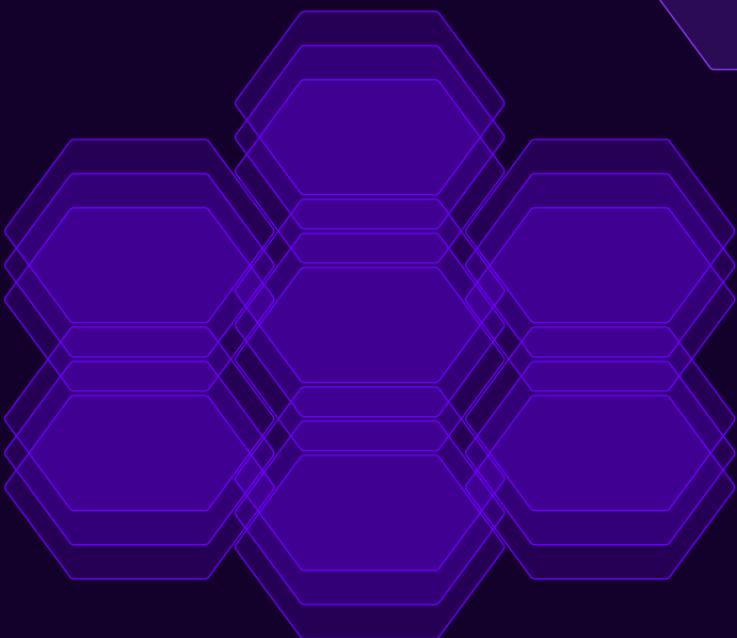
Log Out



Chats

New Contact

Settings



Fetching

Private Key Not Found



Log Out

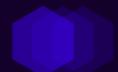


Chats

New Contact

Settings

Search By Username



&lt;name&gt;

&lt;fe84702bffe0&gt;

[No Matches]

Request Controls

&lt;name&gt;

&lt;fe84702bffe0&gt;

Accept

Deny

Back

Log Out

Private Key Found

Systems Nominal



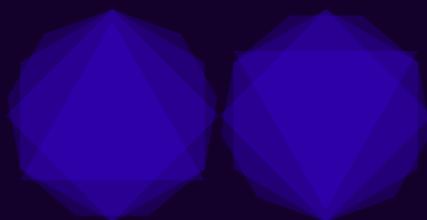
Chats

New Contact

Settings

[No Conversations]

Add New Contact



Log Out



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

---

## Account

[Change Password](#)[Change Username](#)[Notifications](#)[Delete Account](#)

---

## Security

[Authenticate Another Device](#)[Distrust This Device](#)[Regenerate Key Pair](#)[Logs](#)[Log Out](#)



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Authenticate Another Device

### Import Identity



### Export Identity



Do not use this for any devices you do not trust

This process allows you to authenticate your identity across multiple devices or create a backup of your private key

Back



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Export Identity

### Scan From Another Device



Scan QR Codes using the target device

### Download a backup



Download a copy of your private key

▼ Do not use this for any devices you do not trust ▼

Back



Chats

New Contact

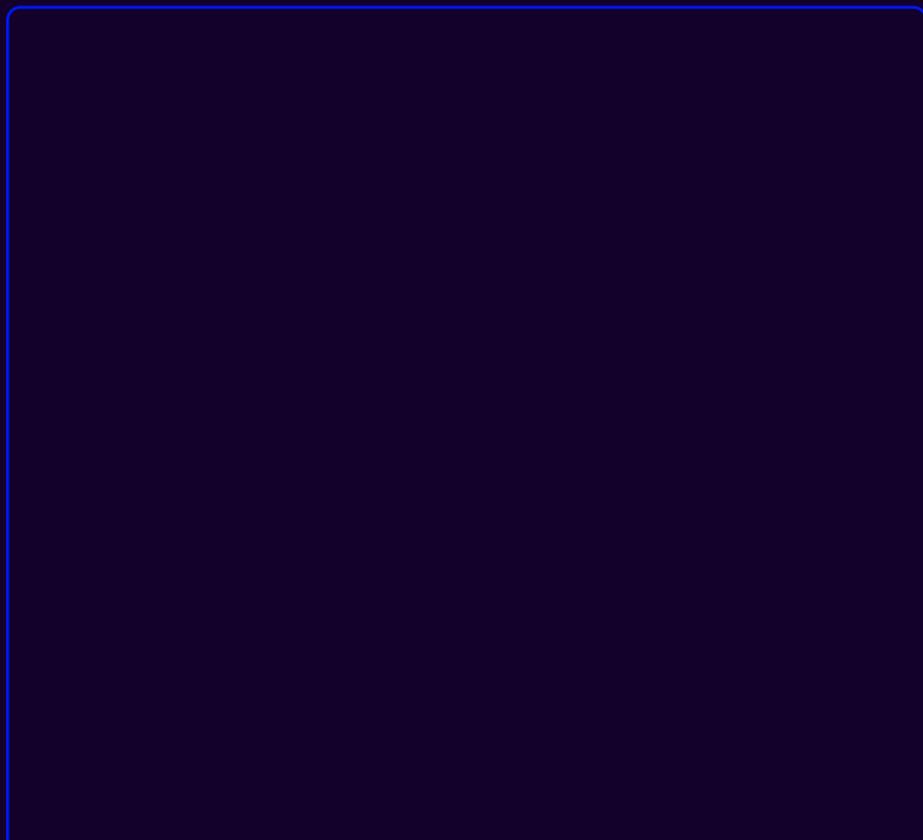
Settings

raven

&lt;fe84702bffe0&gt;

## Authenticate Another Device

Scan this QR Code from the target device



Next





Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Authenticate Another Device

Download a copy of your private key



Download

Never share this file with anyone

Cancel

Store this file on another trusted device so you could regain access to conversations if this device would get lost







Chats

New Contact

Settings



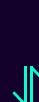
&lt;name&gt;

Offline

45m ago



Artanis can go f himself yeeey



19:38



Unsigned

[Unable To Decrypt]



19:39



Signed ◇



[Deleted]

Seen 19:41



Signed ✅

You puckfsdklfkldfsjlkjsjfksdl'fknsklv  
nldnkvl;nkdvl;kansdvlcos;ndvlknsdvlnknlklnf  
kndsflkndslkfndslkndsfiksndnkfldkl;  
fdkl;fjdkfj

20:12



Typing...

Typing...

Ghost Mode



Image



Location



Color





Not encrypted and unsigned



Encrypted, signature verified



Encrypted with different KP  
Signed with different KP



Chats

New Contact

Settings



&lt;name&gt;

Offline

45m ago

Conversation started on 21.03.2023

Backup Conversation [Coming Soon]

Delete Conversation

Enter Ghost Mode [Coming Soon]

Use the real-time buffer to send/receive messages without them ever being permanently stored. Exiting the chat or quitting the app resets the buffer

Conversation Signature

Verified



Remote Signing PubKey

Verified



Remote Encryption PubKey

Verified





Chats

New Contact

Settings



&lt;name&gt;

Offline

45m ago



Artanis can go f himself yeeey

19:38



[Unable To Decrypt]

19:39



Delete

Copy



Delete

Copy



Plaintext message transport currently not supported



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Current Password

## New Password

NumberSymbolUppercase7 chars

Enter

Cancel

Changing your password will invalidate all existing private key backups since they are encrypted with your account's password

Making a new backup of your private keys is highly recommended so you wouldn't lose access to your conversations in the event of losing your device



## First-time setup [1/2]

Allow push notifications for functionality purposes (message notifications)

Notifications can be used for other events such as new contact requests, and important security events such as exports/imports of your account's private keys.

Message Notifications

On

New Contact Requests

Off

Security Notifications

Off

Allow Selected

Deny All

## First-time setup [2/2]

Allow the collection of logs for activity review

Logs help you identify any suspicious activities such as sessions on devices you do not recognize and more

You can delete and disable those at any time

Account Access Logs

Off

Security Logs

Off

Allow Selected

Deny All

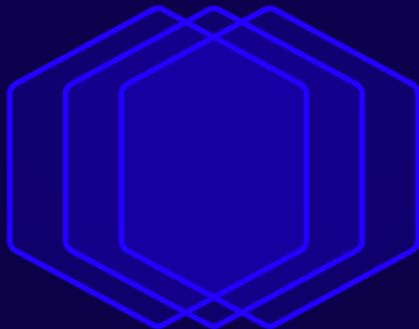
## First-time setup [2/2]

Choose one of the specific colors for each primary one as a second auth factor for regenerating your key pairs if you ever lose your private keys

Blue

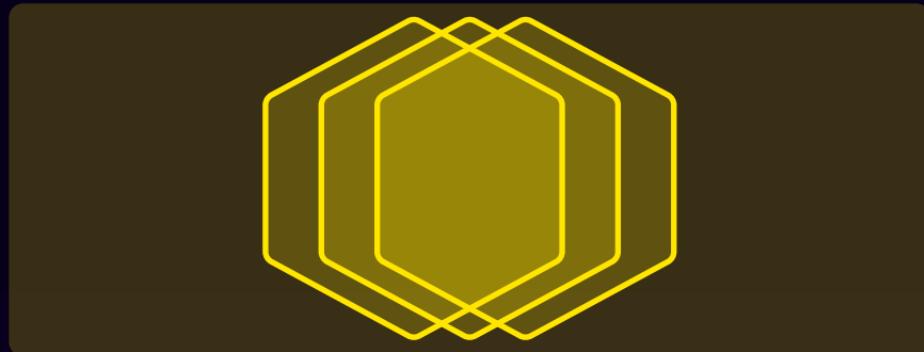
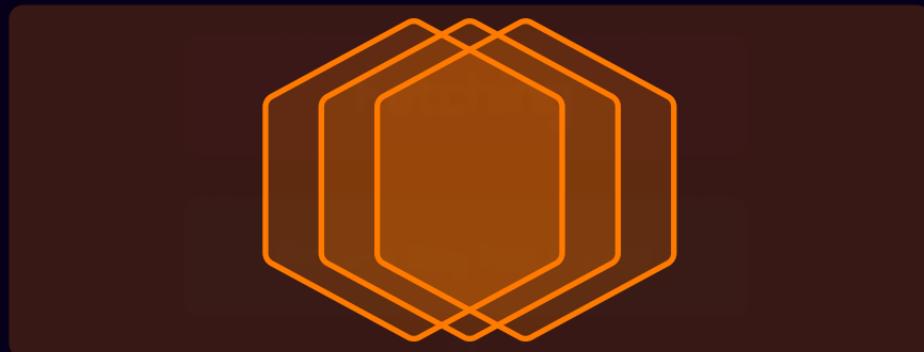
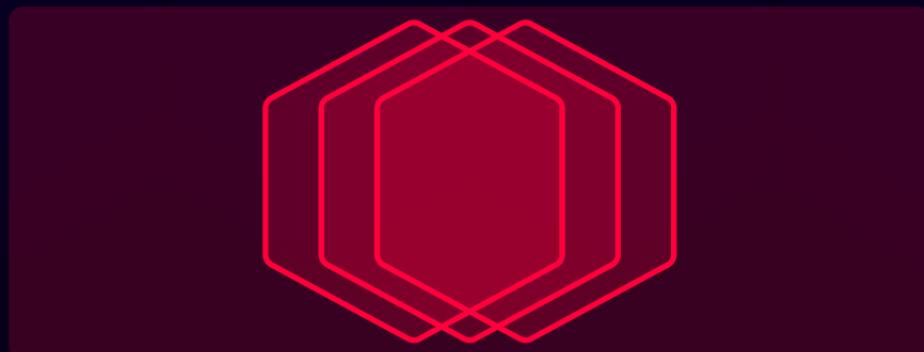
Red

Green



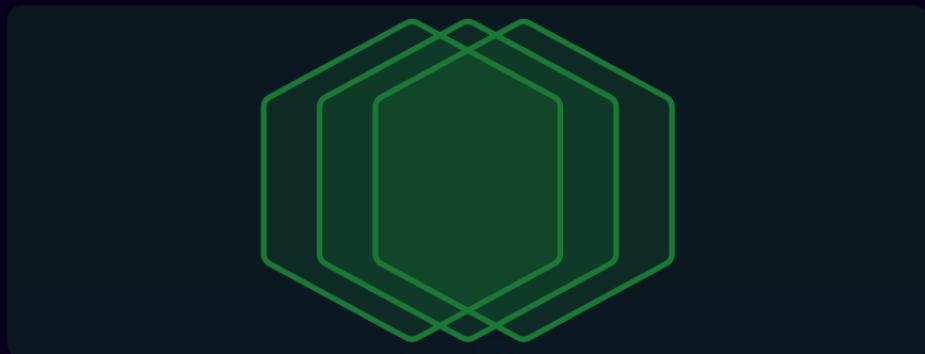
## First-time setup [2/2]

Choose one of the specific colors for each primary one as a second auth factor for regenerating your key pairs if you ever lose your private keys



## First-time setup [2/2]

Choose one of the specific colors for each primary one as a second auth factor for regenerating your key pairs if you ever lose your private keys





Chats

New Contact

Settings

raven | Logs

&lt;fe84702bffe0&gt;

Type

All

Filter

Time

Last 24h

Filter

Info

Warning

Important

Critical



□ Account.Log In

07:41 on 26.03.23

Galati, RO

5.13.225.120



□ Security.Password Reset

07:41 on 26.03.23

Galati, RO

5.13.225.120



□ Security.Password Reset

07:41 on 26.03.23

Galati, RO

This device



□ Account.Username Changed

07:41 on 26.03.23

Galati, RO

5.13.225.120



□ Security.Private Keys Import

07:41 on 26.03.23

Galati, RO

This device



□ Security.Private Keys Export

07:41 on 26.03.23

Aiur City

This device

Back

Settings



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

Type

All

Log In

Change Username

Time

Any

Last Week

Info

Warning

Important

Critical



□ Account.Log In

Galati, RO

07:41 on 26.03.23

5.13.225.120



□ Security.Password Reset

Galati, RO

07:41 on 26.03.23

5.13.225.120



□ Security.Password Reset

Galati, RO

This device



□ Account.Username Changed

Galati, RO

07:41 on 26.03.23

5.13.225.120



□ Security.Private Keys Import

Galati, RO

07:41 on 26.03.23

This device

Back

Settings



## Filter Logs

Showing 12 out of 45

### Account

Log In

Warning

Change Username

Info

### Security

Password Changed

Important

Private Keys Export

Critical

Private Keys Import

Critical

Keys Regeneration

Critical

Last 24h

Last week

Last month

Info

Warning

Important

Critical

Chats

New Contact

Settings

raven

&lt;fe84702bfffe0&gt;

## Current Password

## New Username

Enter

Cancel

Your unique tag will stay the same



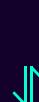
&lt;name&gt;

Offline

45m ago



Artanis can go f himself yeeey



19:38



[Unable To Decrypt]



19:39



Unsigned

[Deleted]

Seen 19:41



Signed ✎

You puckfsdklfkldfsjlkjsjfksdl'fknsklv  
nldnkvl;nkdvl;kansdvlcos;ndvlknsdvlknlklnf  
kndsflikndslkfndslkndsfiksndnkfldkl;  
fdkl;fjdkfj

Typing...

Typing...

Ghost Mode

310





Chats

New Contact

Settings



&lt;name&gt;

Ghost Mode Enabled

Offline

45m ago



Artanis can go f himself yeeeey

19:38



[Unable To Decrypt]

19:39



You puck

Seen 19:41

You puckfsdklfkldfsjlkjsjlfksdl'fknsklv  
nldnkvl;nkdvl;kansdvlcos;ndvlknbsdvlknllklknfl  
knndsfkndslkfndslknndsfiksndnklfldkl;  
fdkl;fjdkfj

20:12



#D00000

Seen 19:41



#8100D0

Seen 19:41



#8100D0





Chats

New Contact

Settings



&lt;name&gt;

Offline

45m ago

Use Device Location

Unsigned

Signed ◇



Signed ✅



45.1511

Long

-23.188

Lat





Chats

New Contact

Settings



&lt;name&gt;

Ghost Mode Enabled

Offline

45m ago



Artanis can go f himself yeeeey

19:38



[Unable To Decrypt]

19:39



You puck

Seen 19:41

You puckfsdklfkldfsjlkjsjlfksdl'fknsklv  
nldnkvl;nkdvl;kansdvlcos;ndvlknbsdvlknllklknfl  
knndsfkndslkfndslknndsfiksndnklfldkl;  
fdkl;fjdkfj

20:12



#D00000

Seen 19:41



#8100D0





Chats

New Contact

Settings

raven | Logs

&lt;fe84702bffe0&gt;

Type

All

Filter

Time

Last 24h

Filter

Info

Warning

Important

Critical

||  
|

[No Logs To Display]



Back

Settings



Chats

New Contact

Settings



&lt;name&gt;

Offline

45m ago

## Conversation Signature Mismatch

### What is this

The conversation signature ensures the person you're talking with has the same key pairs as the ones used when you started the conversation.

A mismatch in this signature could mean the account has been compromised and that a bad actor regenerated the key pairs for that account in order to impersonate the real person behind it.

kndsfkndslkfndslkndsfllksndnkfldkl;  
fdkl;fjdkfj

### What can I do

Ask the person you're trying to talk with whether they regenerated their key pairs. If they were the ones to make this action, tap the button below to trust the new signature

Ghost Mode

Trust New Signature

Dismiss





Chats

New Contact

Settings

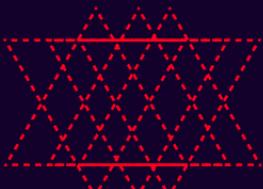
raven

&lt;fe84702bffe0&gt;

## Key Pairs Regeneration

If you suspect a device you authenticated has been compromised, regenerate your key pair

### Regenerate Key Pairs



Own Encryption Key



Own SIG Verification Key



Back

Regenerating your key pairs will make all current conversations unreadable and your contacts will not be able to verify your identity until they would accept the new key signatures

## Key Pairs Regeneration

Your current private keys will be overridden

Password

Regen Key Pairs

Own Encryption Key



Own SIG Verification Key



Cancel



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Import Identity

### Scan From Another Device



Scan QR Codes from the device you're exporting from

### Upload a backup to storage



[Local] Upload a copy of your private key



Do not use this for any devices you do not trust





Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

## Import Identity

Scan the QR Code from the device you're exporting from

[Scanning]





Chats

New Contact

Settings

raven

&lt;fe84702bfffe0&gt;

Authenticate Another Device

Upload private key to storage

Select File

Enter Password





Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

Type

All

Log In

Change Username

Time

Any

Last Week

 Security.Private Key Export

Critical

Time and date

24th of March 2023 [Thu]  
07:43

Device

iPhone 12

Browser

Chrome v102

Operating System

iOS 16

IP Address

5.15.252.225

IP Location

Rome, Italy

Tap for map

Export Type

QR Code Scan



Chats

New Contact

Settings

raven

&lt;fe84702bffe0&gt;

Type

All

Log In

Change Username

Time

Any

Last Week

 Account.Log In

&lt;66d262&gt;

Time and date

24th of March 2023 [Thu]  
07:43

Device

iPhone 12

Browser

Chrome v102

Operating System

iOS 16

IP Address

5.15.252.225

IP Location

Rome, Italy

Session Status

Authorized

Revoke Authorization



## Log Collection Settings

Account Logs

Enabled

Security Logs

Enabled

Auto-delete Logs

Never



Delete All



Filter Logs

Show Settings

## Account



Enable All

Log In

Enabled

Change Username

Disabled

Send Request

Disabled

Update Request

Disabled

Delete Conversation

Disabled

## Security



Enable All

Password Changed

Enabled

Private Keys Export

Enabled

Private Keys Import

Enabled

Keys Regeneration

Enabled

Settings Changed

Disabled

I N T R O D U C I N G



# R I N G R E L A Y

End-to-end encrypted  
messaging app

Swipe for details >>



# R I N G   R E L A Y



## Why Use It?

- The Ring Relay uses public key cryptography to encrypt your messages and authenticate your identity and the identity of others.
- Only the private key your device stores locally can decrypt messages meant for you.
- Open Source. The code is, and will always be, publicly available at any time.

For an in-depth technical dive into how all of this works and the source code, visit [github.com/undefined1raven](https://github.com/undefined1raven)



# R I N G   R E L A Y

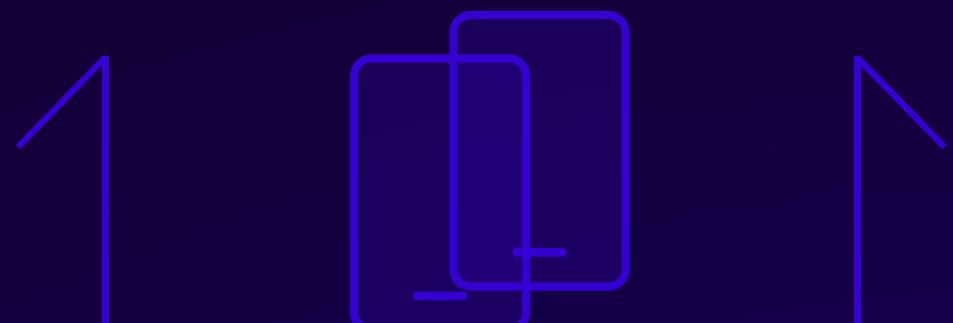


## Features

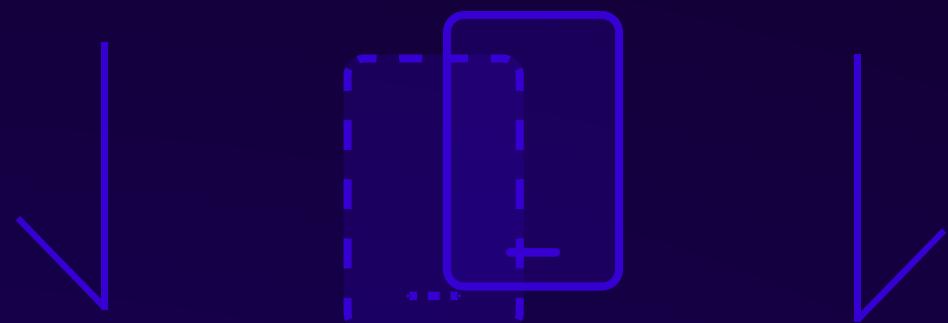
Supports multiple types of messages



Full control over your private keys



Export Identity



Import Identity



# R I N G   R E L A Y



## Features

## Logs



Account.Log In

07:41 on 26.03.23



Security.Password Reset

14:32 on 29.03.23



Security.Private Keys Import

03:02 on 30.03.23

Logs can be used to identify actions you do not recognize as your own

You can always control what logs are collected and delete them at any time



# R I N G   R E L A Y



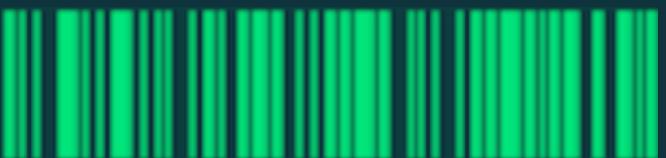
## Features

### Signatures

Conversation Signature

Verified

vxdL+yndz



Remote SIG Verification Key

Verified

ALBc+AFs\_



Remote Encryption Key

SIG Fail

vxNL+GxOE



These signatures ensure the person you're texting with has the same key pairs as the ones used when you first started the conversation

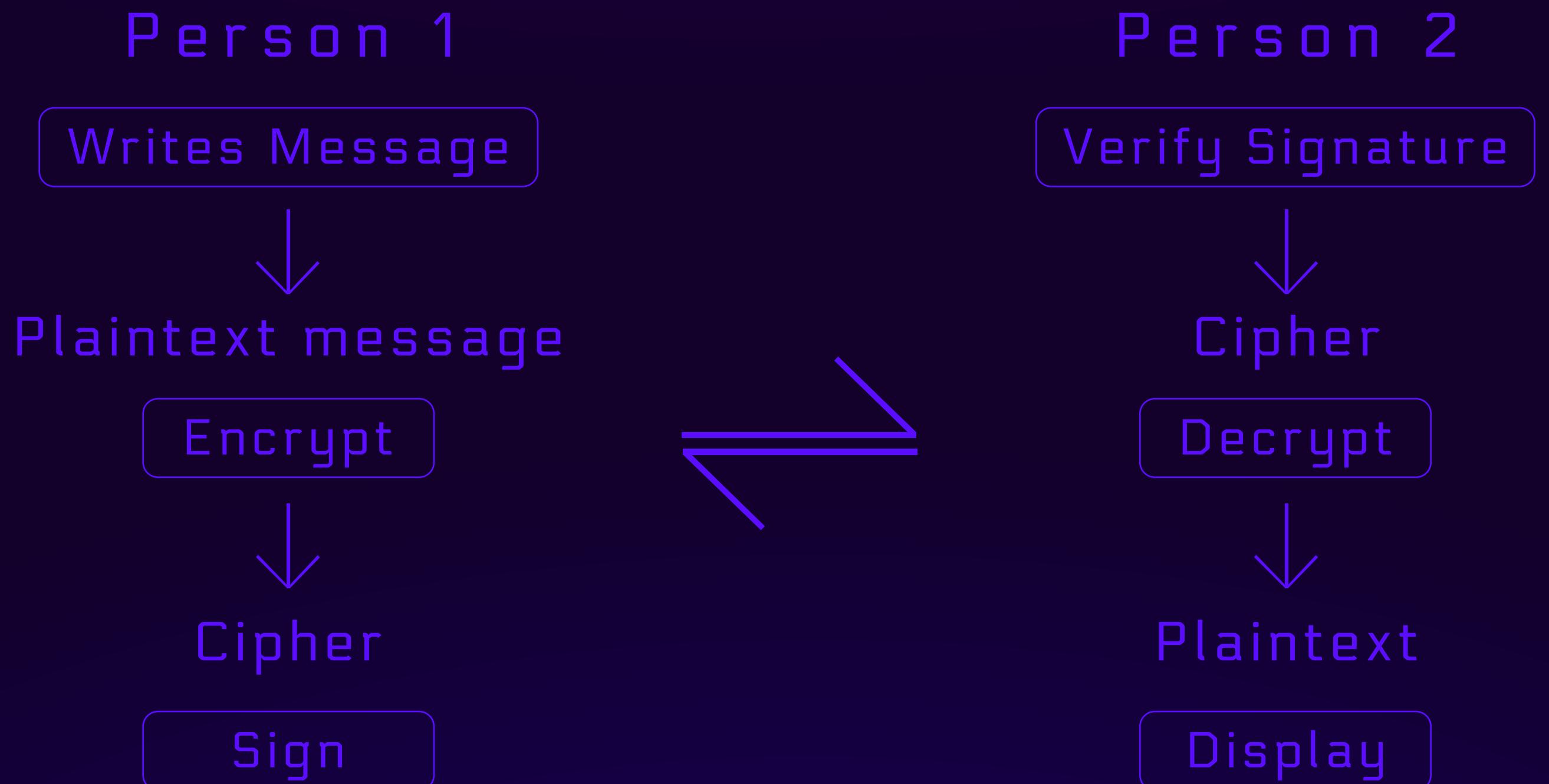




# R I N G   R E L A Y



## How it works

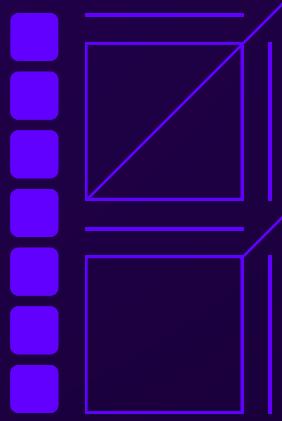


To ensure the safety of the cryptographic algorithms used, this app uses widely standardized APIs

[RSA-OAEP | ModLen 4096 bytes] [ECDSA | Curve P-521]



# R I N G   R E L A Y



## Why I built it

- I firmly believe that our privacy has eroded over time as companies use our behavioral patterns to increase their profits.
- Besides the profits incentives, large messaging apps such as Instagram, Messenger and Whatsapp are most likely back-doored intentionally so various governmental agencies would have access to all of the information that flows through these services for any person they'd deem of interest. While this can be beneficial, the same system can be abused for various nefarious purposes.
- I love building things and the process of bringing an idea into reality. For any feature requests or any issues, my username is raven.



# R I N G R E L A Y

End-to-end encrypted  
messaging app

Sign up at

[ring-relay.live](https://ring-relay.live)