

Criminal Investigations and Network Analysis (CINA): A DHS Center of Excellence

Digital Forensic Investigations Involving Cryptocurrency Wallets Installed on Mobile Devices

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Executive Summary

This report provides an analysis of twelve iOS and twelve Android cryptocurrency wallet applications, focusing on the identification and location of wallet information, transaction hashes, user identifiers, and app-specific identifiers within these mobile apps. The primary objective of this research is to identify and locate key data elements such as wallet information, transaction hashes, user identifiers, and app-specific identifiers within these mobile apps.

Our findings indicate that wallet addresses and transaction hashes are the most commonly retrievable pieces of information across these applications, providing essential leads for tracking cryptocurrency flows. In a few cases, we also discovered plaintext seed phrases, which are particularly valuable for investigators as they offer potential access to the entire wallet. The mobile apps used for this report include:

iOS	Android
Phantom	Unstoppable
Uniswap	Coinbase
SafePal	Zengo
Exodus	eToro
MetaMask	Guarda
Bither/Bitpie	Phantom
Coinbase	MoonPay
Coin Cola	Rainbow
eToro	MetaMask
Guarda	OKX
MoonPay	Exodus
Rainbow	Gemini

Background

This project addresses the challenges investigators face regarding the effective seizure of cryptocurrencies from software wallet applications and the extraction, preservation, and analysis of related data found on suspects' mobile devices. Law enforcement agencies (LEAs) across the United States currently face a significant gap in both capability and understanding in this area. The traditional days of executing search warrants to recover physical drugs and large sums of fiat currency, such as USD, are dwindling. Many police departments have already observed a shift toward the use of digital currencies, or "cryptocurrencies," which are often perceived as anonymous. These currencies are increasingly prevalent on anonymizing platforms, commonly referred to as darknets, where illicit goods and services are traded internationally. Consequently, LEAs must develop robust digital forensic capabilities and protocols to adapt to this evolving landscape.

This project serves as the continuation of an earlier funded initiative. The original Principal Investigator (PI) transitioned from their university role to a U.S. Government position before the project's conclusion. The completed tasks include updating and finalizing the development of the image and artifact databases, as well as providing a cryptocurrency wallet seizure guide for the mobile apps.

iOS Cryptocurrency Wallets

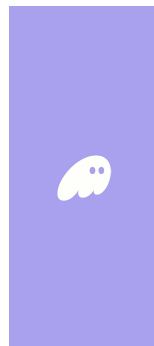
Phantom



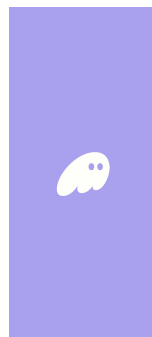
Bundle ID: app.phantom

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\app.phantom - {DEFAULT GROUP}\3EE53681-0926-4F63-92DF-616141D22310@3x.ktx
 - a. Phantom wallpaper

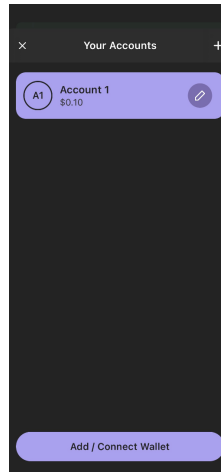


2. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\app.phantom - {DEFAULT GROUP}\downscaled\187DB4AD-AE75-4C63-994C-D0AD0A737E2B@3x.ktx
 - a. Phantom Wallpaper



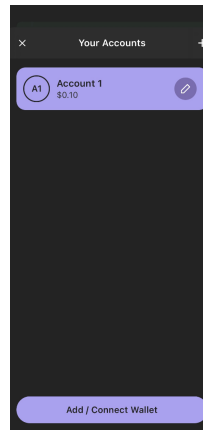
3. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:app.phantom-default\BD02ABEC-4527-48BD-B4A0-0E979FF79694@3x.ktx

- a. Wallet account screenshot



4. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:app.phantom-default\downscaled\8DABDDE0-3EAF-4A97-8619-62A5644A2FC6@3x.ktx

- a. Wallet account screenshot



5. \private\var\db\diagnostics\logdata.statistics.1.txt

- a. Instances of the Phantom app with the corresponding Application UUID

1262616, 11.7, /private/var/containers/Bundle/Application/28741155-AF3D-4567-A67A-3198261143FE/Phantom.app/Phantom]

6. \private\var\mobile\Containers\Shared\AppGroup\<ApplicationUUID>\File Provider Storage\state-log-2024-08-09T12-18-34_PhantomLogs.txt

- a. Phantom logs with the associated addresses associated with each Phantom account.

```

{
  name: "Account 1",
  icon: undefined,
  balance: {
    timestamp: 1723205895394,
    value: 4.9504451616
  },
  identifier: "4683be7e063f4ef86e08b038f1dc2f0527972756acea7fbd3f33c05c44c975ea",
  addresses: [
    {
      networkID: "solana:101",
      addressType: "solana",
      address: "6iwChzVqP2fG8v3RMhf9uu7tPhe8hJ55HCps7oEqCHzB"
    },
    {
      networkID: "eip155:1",
      addressType: "eip155",
      address: "0x961F79a2910cd641Dc6f7eF672561bA021C3b123"
    },
    {
      networkID: "eip155:137",
      addressType: "eip155",
      address: "0x961F79a2910cd641Dc6f7eF672561bA021C3b123"
    },
    {
      networkID: "bip122:0000000000019d6689c085ae165831e93",
      addressType: "bip122_p2wpkh",
      address: "6iwChzVqP2fG8v3RMhf9uu7tPhe8hJ55HCps7oEqCHzB"
    },
    {
      networkID: "eip155:1",
      addressType: "eip155",
      address: "0x961F79a2910cd641Dc6f7eF672561bA021C3b123"
    }
  ]
}

```

7. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\mmkv\mmkv.default
 - a. Wallet address with the corresponding amount
 - Description of app
 - Recipient address with the corresponding amount
 - Solano validator addresses
 - Transaction ID. Who sent, received, amount, type, network fee, time, who's paying

```

timestamp: 1723222103,
owner: "eip155:1/address:0x961f79a2910cd641dc6f7ef672561ba021c3b123",
id: "eip155:1/tx:0xd40a0319670bdd3a6e8f368e8c71ce71b035c18b0f2f84e48543444d126f0855",
▼ interactionData: {
  transactionType: "TOKEN_SEND",
  ▼ balanceChanges: [
    ▼ {
      ▼ token: {
        id: "eip155:1/nativeToken:60",
        displayName: "Ethereum",
        logoURI:
          https://cdn.jsdelivr.net/gh/trustwallet/assets@master/blockchains/ethereum/assets/0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2/logo.png,
        tokenType: "Native",
        decimals: 18,
        symbol: "ETH",
        isSpam: false
      },
      amount: "50218256267625",
      to: "eip155:1/address:0xdd0979c7514d3554a72fe9fc6174c98808d09180",
      from: "eip155:1/address:0x961f79a2910cd641dc6f7ef672561ba021c3b123"
    }
  ],
  dapp: null
},
▼ chainMeta: {
  networkFee: "76600291593000",
  networkFeePayer: "0x961f79a2910cd641dc6f7ef672561ba021c3b123",
  status: "success",
  errorMessage: null,
  blockNumber: "20492336",
  chainId: "eip155:1",
  transactionId: "0xd40a0319670bdd3a6e8f368e8c71ce71b035c18b0f2f84e48543444d126f0855"
}

```

```

state: {
  ▼ data: {
    ▼ solana:101/nativeToken:501: [
      ▼ {
        apy: "0.08095498720030947",
        chainId: "solana:101",
        convertRatio: "1.131423145121606",
        name: "Jito",
        stakePoolAddress: "Jito4APyf642JPzPx3hGc6WwJ8zPKtRbRs4P815Awbb",
        ▼ stakePoolTokenMetadata: {
          caip19: "solana:101/address:J1tos01uCk3RLmJorhTtrVwY9HJ7X8V9yYac6Y7kGCPn",
          ▼ metadata: {
            address: "J1tos01uCk3RLmJorhTtrVwY9HJ7X8V9yYac6Y7kGCPn",
            chainId: "solana:101",
            decimals: 9,
            logoURI: https://storage.googleapis.com/token-metadata/JitoSOL-256.png,
            name: "Jito Staked SOL",
            symbol: "JitoSOL"
          }
        }
      },
      ▼ validators: [
        ▼ {
          vote_account: "GFK84uv9cr1d6KnkPERSEYagTvpLKTuwa8W9adx1qMg6"
        },
        ▼ {
          vote_account: "B38JgkTi7Fu2Uxk8JzNw4M7aMhVxzGu2fsRqHNScPkCQ"
        },
        ▼ {
          vote account: "5cXLZKeTuRm95ng96K2qCdxB2kSU1aJw291HmEkNpXkM"
        }
      ]
    ]
  }
}

```

8. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\app.phantom\Cache.db
 - a. Wallet addresses

```
"data": {
  "amount": "35211359996770",
  "chain": {
    "id": "eip155:1",
    "imageUrl": "https://dhc7eusqrdwa0.cloudfront.net/assets/
    "name": "Ethereum",
    "symbol": "ETH"
  },
  "coingeckoId": "ethereum",
  "decimals": 18,
  "logoUri": "https://cdn.jsdelivr.net/gh/trustwallet/assets@ma
  "name": "Ethereum",
  "spamStatus": "VERIFIED",
  "symbol": "ETH",
  "walletAddress": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123"
},
"type": "EthereumNative"

"appVersion": "24.13.0",
"locale": "en",
"platform": "ios",
"identifiers": [
  {
    "type": "ROOT_ID",
    "id": "ad9de006c2ca52adb75e9640e793a531168897c5cda11f7fd54bcbdd66c9b1c64"
  }
],
"selectedAccountAddresses": [
  {
    "chainId": "solana:101",
    "address": "6iwChzVqP2fG8v3RMhf9uu7tPhe8hJ55HCps7oEqChzB",
    "resourceType": "address"
  },
  {
    "chainId": "eip155:1",
    "address": "0x961f79a2910cd641dc6f7ef672561ba021c3b123",
    "resourceType": "address"
  },
  {
    "chainId": "eip155:137",
    "address": "0x961f79a2910cd641dc6f7ef672561ba021c3b123",
    "resourceType": "address"
  },
  {
    "chainId": "bip122:0000000000019d6689c085ae165831e93",
    "address": "bc1q09qgar6py3est98y6qr5wfp068j2pezase37zx",
    "resourceType": "address"
  }
],
"isOptedOut": false
```

```

"tokens": [
  {
    "type": "EthereumNative",
    "data": {
      "chain": {
        "id": "eip155:1",
        "name": "Ethereum",
        "symbol": "ETH",
        "imageUrl": "https://dnc7eusqrdwa0.cloudfront.net/assets/ethereum.png"
      },
      "walletAddress": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123",
      "decimals": 18,
      "amount": "35211359996770",
      "logoUri": "https://cdn.jsdelivr.net/gh/trustwallet/assets@master/blockchains/ethereum/assets/0xc02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2/logo.png",
      "name": "Ethereum",
      "symbol": "ETH",
      "coingeckoId": "ethereum",
      "spamStatus": "VERIFIED"
    }
  }
]

```

```

    "originalTimestamp": "2024-08-13T23:04:19.338Z", "properties": {
      "osName": "iOS", "ids": {
        "Ethereum": [
          {
            "id": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123",
            "type": "seed", "accountId": "4683be7e063f4ef86e08b038f1dc2f0527972756acea7fbd3f33c05c44c975ea"
          }
        ]
      }, "Po

```

Uniswap



Bundle ID: com.uniswap.mobile

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.uniswap.mobile\Cache.db
 - a. Contains wallet address of Phantom wallet, address funds were transferred to

```
CFURLString
https://unitags.ios.wallet.gateway.uniswap.org/v2/unitags/address?address=0xbCFC52919f1cDcB528801450A7a3460FF9F6725E745365748.493337
```

storyUpdater", "variables":

{"addresses": "0x5AE3903ae12128A72DDA909c03E12ab114b25C19"}, "query": "query TransactionHistoryUpdater

(\$addresses: [String!]!, \$onRampAuth:

OnRampTransactionsAuth) {\n portfolios(\n ow

2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.datadoghq\v2\f5da9c34155155fa15554148a8a2d145170e0a082ddf9cba39ea3a198b2bb947\rum\v2\745365746195
 - a. Contains receiving address for Phantom wallet

```
/v2/unitags/address?address=0x961F79a2910cd641Dc6f7eF672561bA021C3b123"}, "versio
```

3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\99387cfe99a513e350ff41b6ea6377bf986af37b\breadcrumbs.1.state
 - a. Contains wallet address

```
n": "no error", "url": "https://unitags.ios.wallet.gateway.uniswap.org/v2/unitags/address?address=0x961F79a2910cd641Dc6f7eF672561bA021C3b123", "status_code": 200, "timestamp": "2024-08-14T22:02:28.502Z", "level": "info", "type": "http", "category":
```

4. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\99387cfe99a513e350ff41b6ea6377bf986af37b\previous.breadcrumbs.1.state

5. Contains transaction notification with wallet address and date time, Device Vendor ID

```
"notifications": {  
  "lastTxNotificationUpdate": {  
    "0x5AE3903ae12128A72DDA909c03E12ab114b25C19": 1723206738000
```

eligibility?address=0x5AE3903ae12128A72DDA909c03E12ab114b25C19&deviceId=13CF7B69-AD63-41F4-9DB9-79BC8DB51F58"

6. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.uniswap.mobile\fsCachedData\250F9C89-D739-4ECB-AE2C-CBDBFAA37905
- a. Wallet of account that is receiving the money

```
type":"RECEIVE","hash":"0xcb55d7c79e572cc819a459cb9  
5328c6a27bdd9ce5c954cdce5344a1ad020134b","from":"0  
x961F79a2910cd641Dc6f7eF672561bA021C3b123","statu  
s":"CONFIRMED","application":  
{ "name":null,"address":"0x961F79a2910cd641Dc6f7eF672  
561bA021C3b
```

- b. Transaction hashes

```
"id":  
"QXNzZXRBZ3Rpdml0eTpWSEpoYm50aFkzUnBiMjVFWlhSaGFxeHppakI0Tk  
dNeE9HTXhPVEZsTkRRMF1XRTNOekElWmlZeU9UQmxNMkpqTmlKak56Z3hOM  
k5rWkdKbE9UazRaRGN6WTJFM04yVTFOVFU0TVdSbFpUZG1PRFUxTWc9PQ==  
",
```

```
"id":  
"AssetActivity:VHJhbnNhY3Rpb25EZXRhaWxzOjB4NGMxOGMxOTFlNDQ0  
YWE3NzA5ZmYyOTBlM2JjNmJjNzgxN2NkZGJlOTk4ZDczY2E3N2U1NTU4MWR  
lZTdmODU1Mg==",
```

```
"id":  
"AssetActivity:TransactionDetails:0x4c18c191e444aa7709ff290  
e3bc6bc7817cddb998d73ca77e55581dee7f8552",
```

7. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\SystemData\com.apple.SafariViewService\Library\WebKit\WebsiteData\NetworkCache\Version 16\Records\29E67EBB1C6F2569C4F72B182605B83B31C7C679\Resource\9A4D4FC2FD3096DA4012BDD24BAF1E6F822C582C-blob

- a. Location of wallet that will be receiving the funds. Phantom app

```
md-9">  
<div class="d-inline"> <span class="d-inline"><a data-  
highlight-value data-highlight-  
target="0x961f79a2910cd641dc6f7ef672561ba021c3b123  
" href="/  
address/0x961f79a2910cd641dc6f7ef672561ba021c3b123  
" class="text-break" style="word-break: b
```

Transaction Hash:

0xcb55d7c79e572cc819a459cb95328c6a27bdd9ce5c954cdce5344a1ad020134b

Status:

Success

Block:

[204910604](#) Block Confirmations

Timestamp:

44 secs ago (Aug-09-2024 12:31:47 PM UTC)|Confirmed within 6 secs

Transaction Action:

Transfer 0.000761881542657748 (\$2.00) ETH To [0x5AE3903ae12128A72DDA909c03E12ab114b25C19](#)

Sponsored:

From:

[0x961F79a2910cd641Dc6f7eF672561bA021C3b123](#)

To:

[0x5AE3903ae12128A72DDA909c03E12ab114b25C19](#)

Value:

0.000761881542657748 ETH (\$2.00)

Transaction Fee:

0.000087048744552 ETH (\$0.23)

8. private\var\mobile\Containers\Shared\AppGroup\<ApplicationUUID>\Library\Preferences\group.com.uniswap.widgets.plist

- a. Wallet address in AppGroup directory

```
<?xml version="1.0" encoding="utf-16"?>  
<plist>  
  <dict>  
    <key>prod.widgets.accounts</key>  
    <string>{"accounts":[{"address":"0x5AE3903ae12128A72DDA909c03E12ab114b25C19","name":"Wallet 1","isSigner":true}]}</string>  
    <key>prod.widgets.i18n</key>  
    <string>{"locale":"en-US","currency":"USD"}</string>  
    <key>prod.widgets.favorites</key>  
    <string>{"favorites":[{"chain":"ETHEREUM"}, {"address":"0x2260fac5e5542a773aa44fbcfedf7c193bc2c599","chain":"ETHEREUM"}]}</string>  
  </dict>  
</plist>
```

SafePal



Bundle ID: walletapp.safepal.io

Wallet Findings: Describe important findings from the app such as the location of the wallet, transactions found, additional artifacts related to the wallet

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\safepal

- a. Found wallet addresses. Tx hash. sender, receiver, and timestamp

txid
0x82090c294e2ec102f451bc52bfadce11e13f20f448cc7862730de6e572d9d9dc
0x4ff6cd14ff899296f62d01b3c5d73d5ac27af4d5e98e5a89efd21eee3d8fbc12

fromAddr	toAddr	value
0x4735d01719de3ed820073a7708262ab36c076b01	0xbcf52919f1cdcb528801450a7a3460ff9f6725e	666073220519857
0x961f79a2910cd641dc6f7ef672561ba021c3b123	0x4735d01719de3ed820073a7708262ab36c076b01	762253220519857

@a0xbCFC52919f1cDcB528801450A7a3460FF9F6725E<ET
H'N)ŽCETH

0xbCFC52919f1cDcB528801450A7a3460FF9F6725E

ASCII

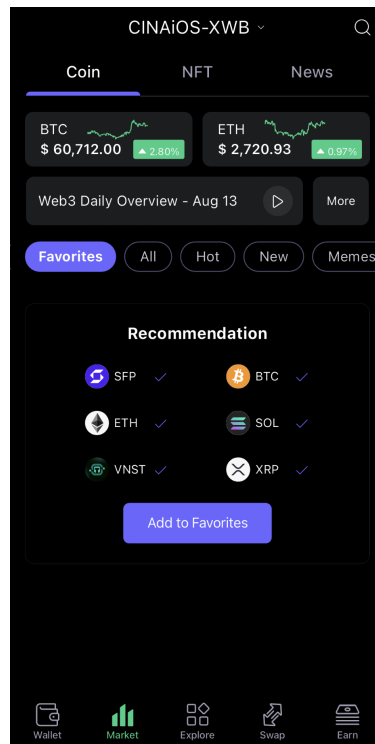
J:\Uniswap.txt

0xbCFC52919f1cDcB528801450A7a3460FF9F6725E

9902610

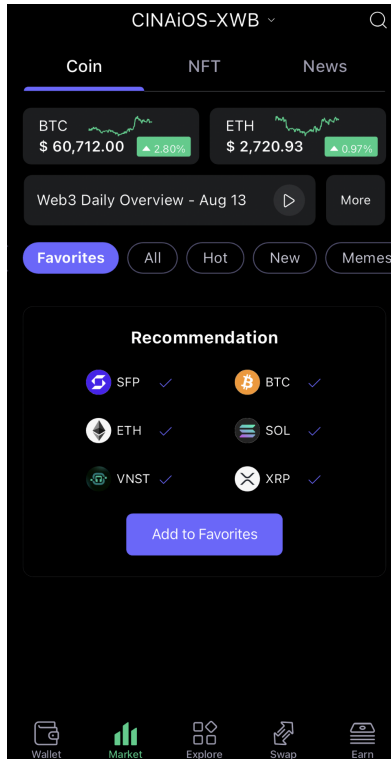
2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:walletapp.safepal.io-default\AC4D5B78-B626-40A4-BD10-C9830A2B7BA0@3x.ktx
private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:walletapp.safepal.io-default\downscaled\63EE6185-9771-4431-8A8A-FCB9AF061A5C@3x.ktx

a. Screenshot of wallet



3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:walletapp.safepal.io-default\D97EDE88-FBF2-4246-8D63-BDFF52566BA5@3x.ktx
private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:walletapp.safepal.io-default\downscaled\C6B1BA32-0561-44E2-9C45-B647512F9B76@3x.ktx

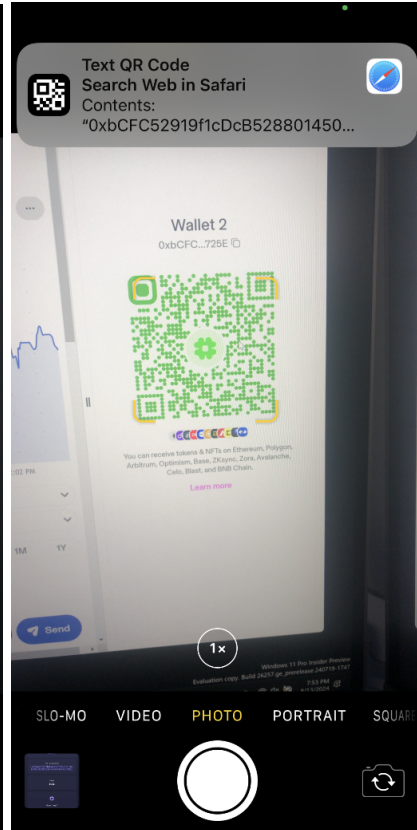
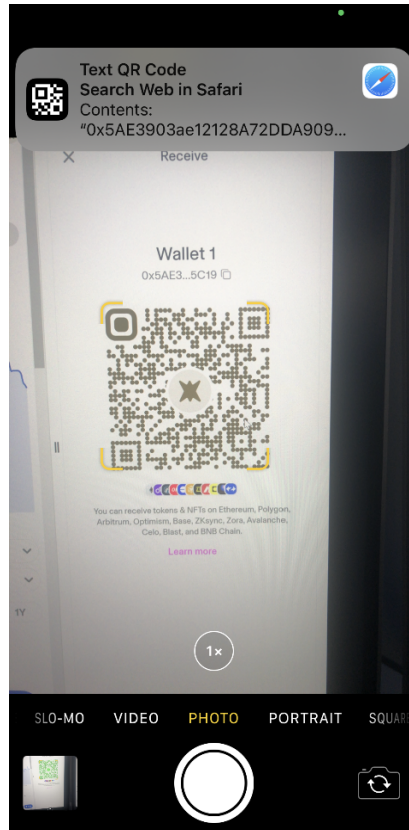
a. Screenshot of wallet



4. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\walletapp.safepal.io - {DEFAULT GROUP}\downscaled\D4109B16-7E39-4771-8EEE-575A32F5BC44@3x.ktx
 - a. SafePal Wallpaper



5. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\tmp\
 - a. Contains wallet addresses



Exodus



Bundle ID: exodus-movement.exodus

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\exodus-movement.exodus\RCTAsyncLocalStorage_V1\manifest.json
 - a. Found transaction hash. Sender and amount

```
"txId": "0xd40a0319670bdd3a6e8f368e8c71ce71b035c18b0f2f84e48543444d126f0855",
"date": "2024-08-09T16:48:21Z",
"confirmations": 1,
"dropped": false,
"coinAmount": "0.000050218256267625 ETH",
"coinName": "ethereum",
"from": [
  "0x961f79a2910cd641dc6f7ef672561ba021c3b123"
```
2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\exodus-movement.exodus\Cache.db
 - a. Found Phantom Wallet address, address that money is being sent to.

0xdD0979C7514d3554A72fE9fC6174C98808D09180&fromTimestamp=1723227521123
3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\exodus-movement.exodus\fsCachedData\
 - a. Contains various coins and their value.

```
"AAVE": {  
  "USD": 106.54209266082066  
},  
"AAVEmaticBFDF3C37": {  
  "USD": 106.19176129560805  
},  
"ACHethereumFBAD19A6": {  
  "USD": 0.018712045127743868  
},  
"ADA": {  
  "USD": 0.3359599837431608  
},  
"ADAbscDB5F96AB": {  
  "USD": 0.33577956291621325  
},
```

MetaMask



Bundle ID: io.metamask.MetaMask

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\persistStore\persist-root
 - a. Wallet addresses

```
fc711228457f8e63284df422\",  
\"0x90ce182e80ac7ddb86d8f39635738929001ddcac\"}},  
{\"type\":\"QR Hardware Wallet Device\", \"accounts\":  
[]}, \"vault\": \"{\\\"cipher\\\": \\\"  
\\\"F4mCOAA677PBSSAa1f5y648LYoanNGXAtP7P7xxS
```

```
0xE33CAB16Ae3A5cE54698709793Aa6319c9Cd129F\" :  
0x23E028AdAAa9235BFc711228457F8E63284DF422\" :  
0x90cE182E80AC7DDB86D8f39635738929001dDCAc\" :
```

2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.metamask.MetaMask\Cache.db
 - a. Wallet addresses

```
https://api.etherscan.io/api?  
module=account&address=0xe33cab16ae3a5ce546  
98709793aa6319c9cd129f&offset=40&sort=desc&  
action=token&tag=latest&page=1
```

```
s.com/?  
b=a2EzeEpydGNjNmUxYmkzbTlzYkhiWjo6R2FYczZmNUVi  
QVdqZ1lGZW14dkJuOEh1cm4xM3E4cEk=,,#https://  
nft.api.cx.metamask.io/  
users/0xE33CAB16Ae3A5cE54698709793Aa6319c9Cd129F  
/tokens?chainIds=1&limit=50&incl
```

3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\4e573d0d2511306cf9b3e0c0451da649f4b3e82c\breadcrumbs.1.state
 - a. Wallet addresses

```
true&continuation=\", \"status_code\":200, \"response_body_s  
ize\":0, \"request_body_size\":0, \"url\":\"https://  
nft.api.cx.metamask.io/users  
/0xE33CAB16Ae3A5cE54698709793Aa6319c9Cd129F/  
tokens\", \"timestamp\":\"2024-0
```

4. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\4e573d0d2511306cf9b3e0c0451da649f4b3e82c\previous.breadcrumbs.2.state
 - a. Wallet addresses

```
"category":"http"}
{"data":{"method":"GET","reason":"no
error","http.query":"module=account&address=0xe33cab
16ae3a5ce54698709793aa6319c9cd129f&offset=40&sort
=desc&action=txlist&tag=latest&page=1","status_code":
200,"response_body_size":0,"requ
```

5. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\4e573d0d2511306cf9b3e0c0451da649f4b3e82c\previous.breadcrumbs.1.state
 - a. Wallet addresses

```
"category":"http"}
{"data":{"method":"GET","reason":"no
error","http.query":"module=account&address=0xe33cab
16ae3a5ce54698709793aa6319c9cd129f&offset=40&sort
=desc&action=tokenx&tag=latest&page=1","status_cod
e":200,"response_body_size":0,"req
```

Bither/Bitpie



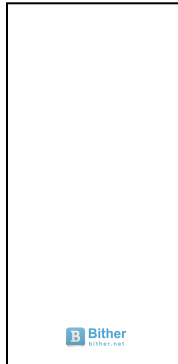
Bundle ID: net.bither/com.bitpie.wallet

Wallet Findings:

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\net.bither - {DEFAULT GROUP}\C6DB610D-F0C5-4726-9799-F3499310B8A9@3x.ktx

\private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\net.bither - {DEFAULT GROUP}\A2CF7054-5B3A-4C41-9F27-5543346B8729@3x.ktx

- a. Bither wallpaper



2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\bsystemcoins.sqlite
 - a. Contains: balance, coin, contract address

```
"balance": "0",
"balance_str": "0",
"coin_code": "TRX-TRC20-USDT",
"coin_name": "Tether USD",
"contract_address": "TR7NHqjeKQxGTCi8q8ZY4pL8otSzgJLj6t",
"display_code": "USDT-TRC20",
"is_custom_rpc": false,
"is_fixed": false,
"level": 0,
"p_coin_code": "TRX-TRX",
"price_precision": 4,
"reputation": 0,
"sort_num": 1,
"token_logo": "/token/img/trx-trc20-usdt.png",
"unit_decimal": 6

"balance": "0",
"balance_str": "0",
"coin_code": "ETH-USDC",
"coin_name": "USD Coin",
"contract_address": "0xa0b86991c6218b36c1d19d4a2e9eb0ce3606eb48",
"display_code": "USDC-ERC20",
"is_custom_rpc": false,
"is_fixed": false,
"level": 0,
"p_coin_code": "ETH",
"price_precision": 2,
"reputation": 0,
"sort_num": 3,
"token_logo": "/token/img/eth-usdc.jpg",
"unit_decimal": 6

"balance": "5173752",
"coin_code": "ZEC",
"coin_name": "Zcash",
"is_custom_rpc": false,
"is_fixed": false,
"level": 0,
"price_precision": 2,
"reputation": 0,
"sort_num": 90,
```

3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\bcoins.sqlite
 - a. Shows Zcash balance

```
"balance": "5173752",
"coin_code": "ZEC",
"coin_name": "Zcash",
"is_custom_rpc": false,
"is_fixed": false,
"level": 0,
"price": "299.12",
"price_precision": 2,
"price_prev": "304.41",
"reputation": 0,
"sort_num": 90,
"unit_decimal": 8
```

4. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\buser.sqlite
 - a. Transaction hash

```
"ad_pledge_enough": -1,
"address": "t1J92CBFuVL2dTLyivYoChm1FyBoAtnw1l6",
"addresses": [],
"balance": "5173752",
"balance_str": "0",
"bbc_split": 1,
"bcc_split": 1,
"bcd_split": 1,
"bcha_split": 1,
"bchsv_split": 1,
"bcx_split": 1,
```

5. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\bflowtxs.sqlite
 - a. Transaction address, transaction hash, value, transaction date

```
"address": "t1T9kxmog9aTw7TeTC6mct9Moyj4fR2PTS4",
"confirmation": 1703867,
"inputs": [],
"locked": 0,
"multisig_account_id": -1,
"outputs": [],
"tx_at": "2020-07-20T17:57:55",
"tx_hash": "224d36c1fc84d5fb612f9b383ded8b77edd8eb2f5174516f29d386dfcfc69199",
"tx_size": 244,
"tx_type": 0,
"value": "5173752"
```

6. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.bitpie.wallet\fsCachedData\D3FFB6B0-54A0-4CF1-B94C-8BE1CC8B87EB
 - a. Contract addresses for coin wallets that exist. Coins that don't have existence, have "null" values.

```

coin_code : "TRX-TRC10-BTT"
display_code : "BTTOLD"
token_logo : "/token/img/trx-trc10-btt.jpg"
unit_decimal : "6"
p_coin_code : "TRX-TRX"
sort_num : "225128"
contract_address : "1002000"
coin_name : "BitTorrent"

coin_code : "ETH-USDX-11"
display_code : "USDx"
token_logo : "/token/img/eth-usdx-11.png"
unit_decimal : "18"
p_coin_code : "ETH"
sort_num : "409274"
contract_address : "0xeb269732ab75a6fd61ea60b06fe994cd32a83549"
coin_name : "USDx"

```

7. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Preference\com.bitpie.wallet.plist
 - a. Contains user address, coin information, balance, etc

```

[0] userGenderKey = 0
[1] register_at = 2020-07-20T16:44:08
[2] CoinType = ZEC
[3] kIsBitpieCreate = True
[4] UserAddressesKey = []
[5] kIsUseSystemUnlock = False
[6] CoinsConfigureHash = aefcdf1e9eac47268135fa0054e344db14fa5e51e52fd880622a48f7d5e99807
[7] kAppVerification = False
[8] userAddressKey = t1J92CBFuVL2dTLyivYoChm1FyBoAtnwi16
[9] kUserIsBithdType = 0
[10] seedPhraseEntropyWrittenAgain = True
[11] kHiddenExchangeList
[12] userIdKey = 6777379
[13] KYCLevel = 0
[14] seedPhraseEntropyWritten = True
[15] AdPledgeEnough = 0
[16] kUserAlgoRewardsAmount = 0
[17] KycRealName =
[18] KycRealNames
[19] otcOnLineStatus = False
[20] userAvatarKey =
[21] kUserType = 0
[22] BalanceStrKey = 5173752
[23] TokenInfo = {"coin_name": "Zcash", "level": 0, "sort_num": 90, "reputation": 0, "is_fixed": false, "unit_decimal": 8, "coin_code": "ZEC", "price_precision": 2}
[24] pinCodeKey = 3677630681184600578;12202990137083774525
[25] kOfflineMode = False
[26] receivingAddressIndex = 0
[27] kUserAlgoPendingRewardsAmount = 0
[28] CoinsConfigure = [{"unit_decimal": 6, "coin_code": "ALGO", "coin_name": "Algorand", "sort_num": 0}, {"sort_num": 0, "unit_decimal": 18, "coin_name": "ETH", "coin_code": "ETH"}]
[29] PinCodeType = sixDigit
[30] kUserAddressesConfigure = [{"index": 0, "coin_code": "ZEC", "path": 0, "address": "t1J92CBFuVL2dTLyivYoChm1FyBoAtnwi16", "purpose": 44}]

```

Coinbase



BundleID: org.toshi.distribution

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\default\wallet-rn-v2.sqlite
 - a. Contains address and transaction hash, wallet creation date

txHash	
Filter	
	0x5a5135a8fe62429704dba060791836d1a9ad1793e79500c393ff131c6769eec2
	0x846bebbe26d58300f548f90ef9ffcc835717a0ae641dde709f8448bd39cfa3e1

fromAddress	fromDomain	amount	fromAmount	toAmount	fee
Filter	Filter	Filter	Filter	Filter	Filter
0xb5d85cbf7cb3ee0d56b3bb207d5fc4b82f...	NULL	194220000000000	NULL	NULL	491089073013000
0xd7f1dd5d49206349cae8b585fcb0ce3d96...	NULL	1	NULL	NULL	1018229329550400

id	primaryAddress	addresses
Filter	Filter	Filter
SOL/SOL/SOLANA_CHAIN:101/false//0/mnemonic/ETH/...	2sWf2kQwVPVQT4AucPgGqDuc2d47ExASFFEz...	[{"type": "Solana", "address": "2sWf2kQwVPVQT4AucPgGqDuc2d47ExASFFEz...
SOL/SOL/SOLANA_CHAIN:101/false//1/mnemonic/ETH/...	6543Ce6QivH1QKER6V2iHqBoXVnQ8AsKa7bJ...	[{"type": "Solana", "address": "6543Ce6QivH1QKER6V2iHqBoXVnQ8AsKa7bJ...
SOL/SOL/SOLANA_CHAIN:101/false//2/mnemonic/ETH/...	645bN2gtvWszgQutViDfsNejARArLrjweDWZ...	[{"type": "Solana", "address": "645bN2gtvWszgQutViDfsNejARArLrjweDWZ...
SOL/SOL/SOLANA_CHAIN:101/false//3/mnemonic/ETH/...	9rQDqLDBR8drfip3RcLhYusN1LhzFPavDs35...	[{"type": "Solana", "address": "9rQDqLDBR8drfip3RcLhYusN1LhzFPavDs35...
SOL/SOL/SOLANA_CHAIN:101/false//4/mnemonic/ETH/...	GAV21kj7VRNa2Aj2n23MTy6wwPQKLehExUYq...	[{"type": "Solana", "address": "GAV21kj7VRNa2Aj2n23MTy6wwPQKLehExUYq...
SOL/SOL/SOLANA_CHAIN:101/false//5/mnemonic/ETH/...	F9shbWMqXGUw7wYViuDhPpNP8KePB98VeJR...	[{"type": "Solana", "address": "F9shbWMqXGUw7wYViuDhPpNP8KePB98VeJR...
SOL/SOL/SOLANA_CHAIN:101/false//6/mnemonic/ETH/...	7wER2oq16EzRARHDWwzrfqLYJsJABcX2hVu...	[{"type": "Solana", "address": "7wER2oq16EzRARHDWwzrfqLYJsJABcX2hVu...
SOL/SOL/SOLANA_CHAIN:101/false//7/mnemonic/ETH/...	Doqi34z2a35UozL5yk3LVY7o2BWKRTJU4X2p8...	[{"type": "Solana", "address": "Doqi34z2a35UozL5yk3LVY7o2BWKRTJU4X2p8...
SOL/SOL/SOLANA_CHAIN:101/false//8/mnemonic/ETH/...	9rYJXeipXL9xLW4CJmPeEEpJY7NsRARaQYEW...	[{"type": "Solana", "address": "9rYJXeipXL9xLW4CJmPeEEpJY7NsRARaQYEW...
SOL/SOL/SOLANA_CHAIN:101/false//9/mnemonic/ETH/...	A7bmWzKAAnnBP4ggn9mKjbxfaq5coKa42vC...	[{"type": "Solana", "address": "A7bmWzKAAnnBP4ggn9mKjbxfaq5coKa42vC...
ETH/ETH/ETHEREUM_CHAIN:777777/false//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/ETH/ETHEREUM_CHAIN:421614/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/AVAX/ETHEREUM_CHAIN:43113/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/ETH/ETHEREUM_CHAIN:84532/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/BNB/ETHEREUM_CHAIN:97/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/FTM/ETHEREUM_CHAIN:4002/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...
ETH/ETH/ETHEREUM_CHAIN:13000/true//7/mnemonic/ETH/...	0x47F5897bd059Fbd7a193413794e464Ce34...	[{"type": "Ethereum", "address": "0x47F5897bd059Fbd7a193413794e464Ce34...

2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\mmkv\CBSStore.plaintext
 - a. Contains primary address
:userSettingsPrimaryAddress-, "0x886F08C7506058410D3Ed809FfeFd81F581E17C6
3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\mmkv\mmkv-persistor
 - a. Geoavailability checker

```

"state": {
  "data": {
    "country": "US",
    "permitted": true
  },
  "dataUpdateCount": 1,
  "dataUpdatedAt": 1723142971035,
  "error": null,
  "errorUpdateCount": 0,
  "errorUpdatedAt": 0,
  "fetchFailureCount": 0,
  "fetchFailureReason": null,

```

4. private\var\mobile\Containers\Data\Application\- a. Notes if the device is jailbroken

```

device : {}

id : "9a926e8d9779480daac0c3109c0f742c9a54bc68"
osName : "iOS"
jailbroken : "True"
simulator : "False"
osVersion : "15.4"
locale : "en_US"

```

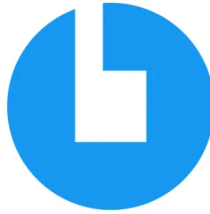
5. private\var\mobile\Containers\Data\Application\- a. Google folder with Firebase Messaging, Android ID

```

[2] GMSInstanceIDGServicesData
[0] android_id = 4778293050772314181
[1] device_country = us
[2] device_registration_time = 1723140000000
[3] ios device = 1

```

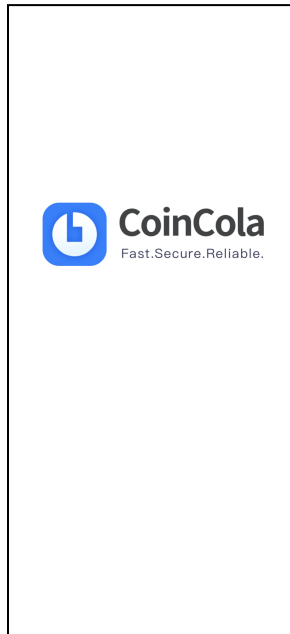
CoinCola



Bundle ID: com.coincola.beta

Wallet Findings:

1. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Saved Application State\com.coincola.beta - {DEFAULT GROUP}\BFE8635E-8C9F-47F9-B53B-B045A3022406@3x.ktx
 - a. Coincola wallpaper



2. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Documents\crypto.json
 - a. Coins supported

```
otc : {}
```

```
cryptoCoin : [8]
```

```
"BTC"
```

```
"ETH"
```

```
"USDT"
```

```
"EOS"
```

```
"XRP"
```

```
"BCH"
```

```
"LTC"
```

```
"GUSD"
```

eToro Money



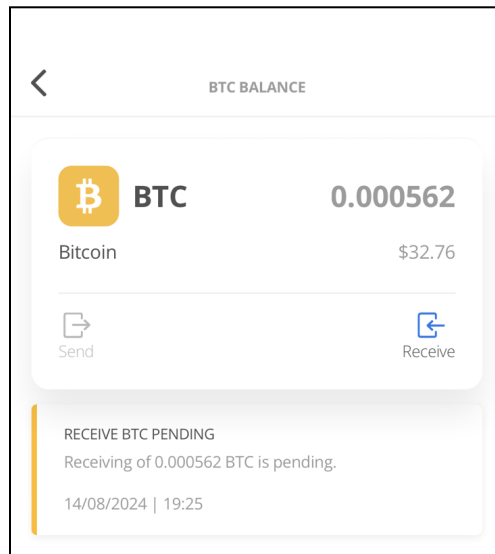
Bundle ID: com.etoro.wallet

Wallet Findings:

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.etoro.wallet-default\40687AE9-B07E-4D36-B8D2-44C1BE3C293E@3x.ktx

\private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.etoro.wallet-default\B95A947D-0D28-43B8-9841-C3F116C23848@3x.ktx

- a. Screenshot of account balance



2. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\WebKit\NetworkCache\Version16\Records\0E52D5A5CB46EAB388D4A7A4DA98DF65DDB29539\Resource\B928360B734B602E77E1D25073B0202A1F61D9E7-blob
 - a. Different currency comparison

InstrumentDisplayDatas : [\[9057\]](#)

└ {}

InstrumentID : "1"

InstrumentDisplayName : "EUR/USD"

InstrumentTypeID : "1"

ExchangeID : "1"

└ Images : [\[6\]](#)

└ {}

InstrumentID : "1"

Width : "35"

Height : "35"

Guarda



Bundle ID: com.crypto.mutiwallet

Wallet Findings:

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\com.crypto.mutiwallet\RCTAsyncLocalStorage_V1\817e01dfc9ca7287f4e9a0f6a1c6830b
 - a. Contains backup phrase. Also contains hidden wallet information, private key information for all wallets

```
"address": "bnb1zt4g8vy9a8wrm0zhtypv15dxpmd86m83ymkwhk",
"privateKey": "[REDACTED]8e18317eeb476665bbcad678afbea1ebdf1155820e
"balance": "0",
"currency": "bnb",
"title": "Binance Coin",
"uuid": "-9bvKwgeCeQh",
"derivedFromMnemonicUsing": {
  "accountIndex": 0
},
"mnemonic": "[REDACTED] jump flash actress weasel grant arena cinnamon bird story",
"last-update-time": 1723681868741,
"version": 50,
"autobackup-setting": 0,
"uuid": "ZR-CH9UWHeQiz_EgabsC87Vs8pxsmj5XmwT",
"session-timeout": ""
```
2. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\Google\FirebaseInstanceID\g-checkin.plist
 - a. Android ID

```
<dict>
  <key>android_id</key>
  <string>5224914260445558884</string>
  <key>device_country</key>
  <string>us</string>
  <key>device_registration_time</key>
  <string>1723680000000</string>
  <key>ios_device</key>
  <string>1</string>
</dict>
```
3. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.crypto.mutiwallet\Cache.db

- a. Contains wallet address used, total received, total sent, and transaction hash

```
"page": 1,
"totalPages": 1,
"itemsOnPage": 1000,
"addrStr": "1K5PmcEpx5pnMz92oSfMn9fxeqpJ3XZtci",
"balance": "0.00075335",
"totalReceived": "0.00075335",
"totalSent": "0",
"unconfirmedBalance": "0",
"unconfirmedTxApperances": 0,
"txApperances": 1,
"transactions": [
  "4dae50d6e9fe02ea9d5c01fddade1f7abcfb241ced8e926470daaf7bc9d2d938"
```

```
{ "page": 1, "totalPages": 1, "itemsOnPage": 100, "addrStr": "1K5PmcEpx5pnMz92oSfMn9fxeqpJ3XZtci", "balance":
[ { "txid": "4dae50d6e9fe02ea9d5c01fddade1f7abcfb241ced8e926470daaf7bc9d2d938", "version": 1, "vin":
[ { "txid": "bdefbebc467cfe39e857ce2d20199b4862fd04f617e523f32dce3b349c3543d8", "vout": 10, "sequence": 42
}, { "addresses": [ "bc1qjp5ymz5xuyng54k8af89la7w3pzyhn2d6kp335", "value": "0.00076133" ], "vout":
[ { "value": "0.00075335", "n": 0, "scriptPubKey":
{ "hex": "76a914c646ef44838a52571594a45fa18212a81903d67588ac", "addresses":
[ "1K5PmcEpx5pnMz92oSfMn9fxeqpJ3XZtci" ] }, "spent": false }, { "blockhash": "00000000000000000000c8c430f
```

**__CFURLStringType__ CFURLString_Phttps://
bitcoinblockexplorers.com/api/
address/1K5PmcEpx5pnMz92oSfMn9fxeqpJ3XZtci#@
\$__CFURLRequestNullTokenString_
#yyyyyyyyySGETÔVAccept_Accept**

4. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.crypto.multiwallet\fsCachedData\

- a. General coin data from exchanges

```
currency : "arv"

extraldentifier : "0x6679eb24f59dfe111864aec72b443d1da666b360"

family : "bsc"

title : "Ariva"

rates : {}

  usd : "0.00012484823452308338"

changes : {}

  h1h : "-0.1779701"

  h24 : "3.65597835"

  d7 : "-0.37027059"

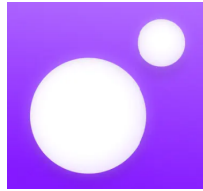
id : "arv:bsc:0x6679eb24f59dfe111864aec72b443d1da666b360"
```

5. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\

- a. ktx files. Shows app wallpaper and app settings screenshot



MoonPay



Bundle ID: com.moonpay.app

Wallet Findings:

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\com.moonpay.app\RCTAsyncLocalStorage_V1\91ec1f9324753048c0096d036a694f86

- a. Contains email address, name, creation time

```
_typename : "Customer"
id : "bcebec63-5d39-43f5-b878-d46a50a49800"
email : "clvb333@gmail.com"
firstName : 
lastName : 
dateOfBirth : 12:00:00 AM"
createdAt : "8/8/2024 4:00:11 PM"
address : {
  _typename : "Address"
  street : 
  town : 
  postCode : "22302"
  state : "VA"
  country : "USA"
```

2. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\com.moonpay.app\RCTAsyncLocalStorage_V1\b6fc409153bed742ecb0853f303fb9f1

- a. Wallet address and balance, location address

```
"bc1qy4mcduqtf2syfqhts8pjx39fvy6w6u6s720pe": {
  "addressStatus": "supported",
  "totalBalance": "33.6176027366305353",
  "network": "mainnet",
  "chain": "bitcoin",
  "baseCurrency": "USD"
```

```

{
  "state": {
    "data": {
      "alpha2": "US",
      "alpha3": "USA",
      "country": "United States of America",
      "ipAddress": "2607:7e80:1012:d40:b579:6c5:af4d:efd4",
      "isAllowed": true,
      "isBuyAllowed": true,
      "isNftAllowed": true,
      "isSellAllowed": true,
      "isBalanceLedgerWithdrawAllowed": true,
      "isFiatBalanceAllowed": false,
      "isLowLimitEnabled": false,
      "state": "DC"
    }
  }
}

```

3. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\com.braze.core.persistence\data\ace60e6\users\bcebec63-5d39-43f5-b878-d46a50a49800_eee4964\session.json

- a. User ID and session date time

end : "8/14/2024 11:20:29 PM"

id : "07685BF4-B9F4-41DB-AA42-AD64F94486F2"

messagingStart : "8/14/2024 11:18:10 PM"

start : "8/14/2024 11:18:10 PM"

4. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\Google\FirebaseInstanceID\g-checkin.plist

- a.

[2] **GMSInstanceIDGServicesData**

[0] **android_id** = 4738395328126533930

[1] **device_country** = us

[2] **device_registration_time** = 1723676400000

[3] **ios_device** = 1

5. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.moonpay.app\Cache.db

- a. Wallet addresses: BTC, Ethereum, Solana

addresses=Bwr7tQwcZpnjEQvmbr2SXzeXLLaUjHN986HRhwtJmmXQ

.bc1qy4mcmduqtf2syfqhts8px39fvy6w6u6s720pe%3Abitcoin

0x20516B44aB56F2c6cE15e26e99485a85CA9A52cb%3AEthereum

6. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\com.moonpay.app\fsCachedData\F58FB0D1-D3AB-4DCD-BEDD-25250934E89F

- a. Coin pricing at a date time that exists on the phone

```

timestamp : "8/14/2024 12:05:00 AM"
quote : {}
  EUR : {}
    price : "55008.122372100406"
  GBP : {}
    price : "47011.355399898726"
  USD : {}
    price : "60487.17132506789"

```

7. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\d1b24b1a17522b6cd8165c795db6b9e4fd3a7b09\breadcrumbs.1.state
 - a. Wallet addresses

```

"http.query":
"addresses=Bwr7tQwcZpnjEQvmbr2SXzeXLLaUjHN986HRhwtJmmXQ:solana,bclqy4mcmduqtf2syfqhts8p
x39fvy6w6u6s720pe:bitcoin,0x20516B44aB56F2c6cE15e26e99485a85CA9A52cb:ethereum&currencyC
de=EUR",

```

8. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Caches\io.sentry\d1b24b1a17522b6cd8165c795db6b9e4fd3a7b09\breadcrumbs.2.state
 - a. Wallet addresses

```

"data": {
  "url": "https://crypto-api.moonpay.com/api/v3/balance?addresses=bclqy4mcmduqtf2syfqhts8pjx39fvy6w6u6s720pc%3Abitcoin%2CBwr7tQwcZpnjEQvmbr2SXzeXLLaUjHN986HRhwtJmmXQ%3Asolana%2C0x20516B44aB56F2c6cE15e26e99485a85CA9A52cb%3Aethereum&currencyCode=USD",

```

9. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.moonpay.app-default\01619737-7D0B-416E-BEA9-1D4AA572918A@3x.ktx

```

private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.moonpay.app-default\93740F62-8CBA-489B-8880-91CED343A5DE@3x.ktx

```

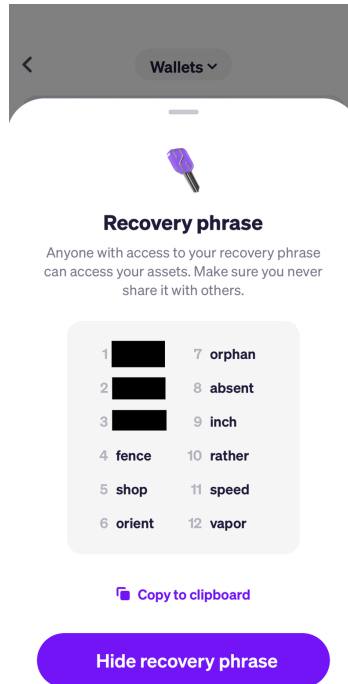
- a. Recovery phrase



10. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.moonpay.app-default\downscaled\0FA4BC85-7E96-4735-A303-C6B041E352CA@3x.ktx

private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\SplashBoard\Snapshots\sceneID:com.moonpay.app-default\downscaled\5581BD44-889D-4454-90E0-9956FD580FC7@3x.ktx

a. Downscaled versions of recovery phrase screenshot



11. private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\WebKit\WebsiteData\LocalStorage\https_buy.moonpay.com_0.localstorage

a. User details. Birthday, name, email, nationality, ip country, state

```
"birthday": [redacted],  
"createdAt": "2024-08-08T16:00:11.403Z",  
"userCreationMonth": "202408",  
"email": "clvb333@gmail.com",  
"firstName": [redacted],  
"lastName": [redacted],  
"nationality": "USA",  
"ipAddressCountryCode": "USA",  
"ipAddressStateCode": "DC",
```

Rainbow



Bundle ID: me.rainbow

Wallet Findings:

1. \private\var\mobile\Containers\Data\Application\<ApplicationUUID>\Library\Application Support\Google\FirebaseInstanceID\g-checkin.plist
 - a. Android ID and registration time

▲ [2] **GMSInstanceIDGServicesData**

[0] **android_id** = 5454287820111142919

[1] **device_country** = us

[2] **device_registration_time** = 1723147200000

[3] **ios_device** = 1

Android Cryptocurrency Wallets

Unstoppable



Package Name: io.horizontalsystems.bankwallet

Wallet Findings:

1. \data/user/0/io.horizontalsystems.bankwallet/databases/dbBankWallet
 - a. Enabled Wallet

Browse Data Execute SQL Edit Pragmas						
Table: EnabledWallet		Filter in any column				
tokenQueryId	accountId	walletOrder ▼1	coinName	coinCode	coinDecimals	
Filter	Filter	Filter	Filter	Filter	Filter	Filter
1 bitcoin derived:bip84	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0	Bitcoin	BTC	8	
2 bitcoin derived:bip84	813b361c-ab7f-41bc-8c2a-301b36153ee0	0	Bitcoin	BTC	8	
3 bitcoin derived:bip84	b2499dc7-6c4a-4670-960a-fdb9533265d9	0	Bitcoin	BTC	8	
4 ethereum native	e25c3f22-107a-4f5a-8d89-f687e3f2810b	1	Ethereum	ETH	18	
5 ethereum native	813b361c-ab7f-41bc-8c2a-301b36153ee0	1	Ethereum	ETH	18	
6 ethereum native	b2499dc7-6c4a-4670-960a-fdb9533265d9	1	Ethereum	ETH	18	
7 binance-smart-chain native	813b361c-ab7f-41bc-8c2a-301b36153ee0	2	Binance Coin	BNB	18	
8 binance-smart-chain native	b2499dc7-6c4a-4670-960a-fdb9533265d9	2	Binance Coin	BNB	18	
9 ethereum ...	813b361c-ab7f-41bc-8c2a-301b36153ee0	3	Tether	USDT	6	
10 ethereum ...	b2499dc7-6c4a-4670-960a-fdb9533265d9	3	Tether	USDT	6	
11 binance-smart-chain ...	813b361c-ab7f-41bc-8c2a-301b36153ee0	4	Binance USD	BUSD	18	
12 binance-smart-chain ...	b2499dc7-6c4a-4670-960a-fdb9533265d9	4	Binance USD	BUSD	18	

- b. Enabled Wallet Cache

Table EnabledWalletCac... 15 entries Page 1 of 1 Export to CSV			
tokenQueryId	accountId	balance	balanceLocked
binance-smart-chain native	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0	0
binance-smart-chain eip20:0xe9e7cea3dedca5984780bafc599bd69add087d56	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0	0
ethereum eip20:0xdac17f958d2ee523a2206206994597c13d831ec7	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0	0
bitcoin derived:bip84	813b361c-ab7f-41bc-8c2a-301b36153ee0	0.00000000	0.00000000
ethereum native	813b361c-ab7f-41bc-8c2a-301b36153ee0	0.024056241629289575	0
binance-smart-chain native	813b361c-ab7f-41bc-8c2a-301b36153ee0	0	0
ethereum eip20:0xdac17f958d2ee523a2206206994597c13d831ec7	813b361c-ab7f-41bc-8c2a-301b36153ee0	0	0
binance-smart-chain eip20:0xe9e7cea3dedca5984780bafc599bd69add087d56	813b361c-ab7f-41bc-8c2a-301b36153ee0	0	0
bitcoin derived:bip84	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0.00000000	0.00000000
ethereum native	e25c3f22-107a-4f5a-8d89-f687e3f2810b	0	0
bitcoin derived:bip84	b2499dc7-6c4a-4670-960a-fdb9533265d9	0.00000000	0.00000000
binance-smart-chain native	b2499dc7-6c4a-4670-960a-fdb9533265d9	0	0
ethereum eip20:0xdac17f958d2ee523a2206206994597c13d831ec7	b2499dc7-6c4a-4670-960a-fdb9533265d9	0	0
binance-smart-chain eip20:0xe9e7cea3dedca5984780bafc599bd69add087d56	b2499dc7-6c4a-4670-960a-fdb9533265d9	0	0
ethereum native	b2499dc7-6c4a-4670-960a-fdb9533265d9	0.024012746159061575	0

c. Account Record:

id	name	type	origin	isBackedUp	isFileBackedUp	words	passphrase
e25c3f22-107a-4f5a-8d89-f687e3f2810b	Wallet 1	mnemonic	Created	1	0	WKPZt34VEBjHprungowug==] 6hPyj13Gcu2mQ5AvRrRduGdpzWnkclCxy90BokHUEgvMPVAFrWcBQ8Q5Mw2IZu7sH0XBeQxTqw Oh2EvBrRnV72n8YHkLHNNH7fps39jem5qr81X1a5KpVqlineOU8o	1K9LynG69mZnHfGxtDr1w==]bqZk/ fuG01G1TGyAmPUcQ==
813b361c-ab7f-41bc-8c2a-301b36153ee0	Wallet 2	mnemonic	Created	1	0	1TJFJFWIA9Y211Jua8LEBw==]LxKLiJ0J1Estasdj+GqjMB/YcY1BQE1sh2o1ds +wGXraBmU41cAvttct0kTziqHyYQ9v93Vc3LE toklg2IjWkAKPLskxhQvz3aIxadCh5Co=	1WsjktbX1xfjz0r4Ej6Mw==]0tgqHUSi+V/ p15WjWjg8WQ==
b2499dc7-6c4a-4670-960a-fdb9533265d9	Wallet 3	mnemonic	Created	1	0	1WB7+nB8RfJ/UX331JAKUg==]001g5lwQm1x54e8AWInP9WkOFL3/jhaTcsNIOG11BrM8a19/fPez/ cBv5F+eH3Hz41JWkcd4M1a9 r94j/11JaMTFDo6Fy6Nm8MXkohmudC4=	6bQ3QINzgRMA01AY39bPLQ==]mDVqhsDaU3ba/BoqqDYB/ A==

2. \data\data\io.horizontalssystem.bankwallet\databases\Ethereum-1-e25c3f22-107a-4f5a-8d89-f687e3f2810b-txs

a.

Transaction

```
hash timestamp isFailed blockNumber transactionIndex from to value input nonce gasPrice maxFeePerGas maxPriorityFeePerGas gasLimit gasUsed replacedWith
1723682819 0 20530543 206 24098046603465575 2 1310347801 21000
1723682933 0 24056241629289575 0 1990713056 1990713056 789349450 21000
```

InternalTransaction

```
hash blockNumber from to value id
```

sqlite_sequence

```
name seq
```

TransactionTag

```
name hash
ETH
ETH_incoming
incoming
from_0x8b59d6331efca4e63555e7a4a5ecc045696ce747
ETH
ETH_outgoing
outgoing
to_0x7c0647b5f51780b4d45042504b8eb229c96282b7
```

3. \data\data\io.horizontalssystem.bankwallet\databases\Ethereum-1-b2499dc7-6c4a-4670-960a-fdb9533265d9-txs

a.

Transaction

```
hash timestamp isFailed blockNumber transactionIndex from to value input nonce gasPrice maxFeePerGas maxPriorityFeePerGas gasLimit gasUsed replacedWith
1723682999 0 20530558 183 24012746159061575 0 2047041492 21000
```

InternalTransaction

```
hash blockNumber from to value id
```

sqlite_sequence

```
name seq
```

TransactionTag

```
name hash
ETH
ETH_incoming
incoming
from_0x7c0647b5f51780b4d45042504b8eb229c96282b7
```

4. \data\data\com.android.vending\databases\library.db

Table: ownership		Filter in any column						
	account	library_id	backend	doc_id ▲	doc_type	offer_type	document_hash	purchase_time
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
108	c1vb333@gmail.com	3	io.noone.androidwallet		1	1	-8702514224486644088	1723676473599

Coinbase



Package Name: org.toshi

Wallet Findings: Coinbase wallet provides data including unused wallet addresses, wallet address, transaction history, and application UUID data.

1. \data\data\org.toshi\app_webview\Default\Local Storage\leveldb\000003.log

a. Unused wallet address

18	1	_https://wallet-messaging.coinbase.com unused:Addresses	0x886F08C7506058410D3Ed809FfeFd81F581E17C6
19	1	_https://wallet-messaging.coinbase.com unused:DefaultChainId	1
20	1	https://wallet-messaging.coinbase.com unused:DefaultJsonRpcUrl	https://chain-proxy.wallet.coinbase.com?targetName=ethereum-mainnet

0000	01 30 78 38 38 36 46 30	38 43 37 35 30 36 30 35	0x886F08C750605
0010	38 34 31 30 44 33 45 64	38 30 39 46 66 65 46 64	8410D3Ed809FfeFd
0020	38 31 46 35 38 31 45 31	37 43 36	81F581E17C6

2. `\data\data\org.toshi\files/default\wallet-rn-v2.sqlite`

a. Account table>Wallet Address:

id	createdAt	type	primaryAddressChain	primaryAddress	nickname	isDeleted	hasCompletedBackupFlow
memon1c/ ETH/0x886f08c750605841003e809fFeFdB1F581E17C6	2024-08-08 16:28:29.423	memon1c	ETH	0x886f08c750605841003e809fFeFdB1F581E17C6		0	1

b. Transaction history:

[illegible]

3. Last application usage date: \data\data\org.toshi\app_webview\last-exit-info

a. {"exitInfoPid":1375,"timestampAtLastRecordingInMillis":1723678686501,"appState":0}

4. `\data\data\org.toshi\files\com.google.firebase.crashlytics.files.v2:org.toshi\open-sessions\66BD3FDD02220001055FF38C5A3A186A\native\app.json`

a. UUID:

```
{"development_platform":"","version_name":"29.6.7","development_platform_version":"","version_code":"290600070","app_identifier":"org.toshi","install_uuid":"5ec9b409c9b446a7b1c8b60632bfc0d3","delivery_mechanism":4}
```

5. IP addresses: \data\data\org.toshi\files\mmkv\CBStore.plaintext

a.

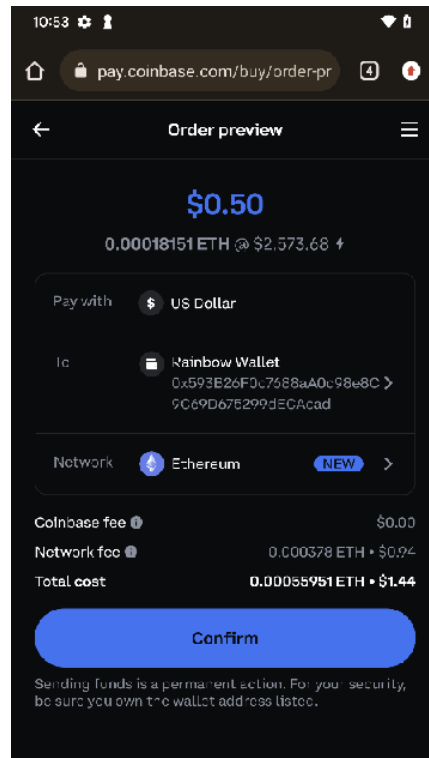
Analysis Result 1

Score:	Likely Notable
Type:	Keyword Hits
Configuration:	IP Addresses
Conclusion:	
Keyword:	[REDACTED]
Keyword Preview:	chnology.network\, [REDACTED] \.*carv.pages.dev*
Keyword Regular Expression:	[\\-\\.\\/\\:\\\\ \\[\\] >\\ \\} ([0-9])([1-9][0-9])([0-9])[2]([2][0-4])25([0-5]).)([3])([1][0-9](2)[2][0-4][0-9])(25([0-5])([1-9][0-9])([0-9])([\\-\\.\\/\\:\\\\ \\[\\] >\\ \\}
Keyword Search Type:	2
Set Name:	IP Addresses

b. `userSettingsPrimaryAddress-,"0x886F08C7506058410D3Ed809FfeFd81F581E17C6"(CBStore.plaintext:miamiViceFSTODisplayed^^true;CBStore.plaintext:areLowBalanceWalletsHiddenByWalletGroupIdCB{"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6/0":true},CBStore.plaintext:throttleRequestLastUpdated{"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-BTC":1723678688678,"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-LTC":1723678688808,"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-DOGE":1723678688851}'CBStore.plaintext:lastSyncedBlockheight{"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-BTC":856798,"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-LTC":2738308,"mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6-0-DOGE":5336375}'CBStore.plaintext:blockchainIsSyncedMap,+"{"BTC":true,"DOGE":true,"LTC":true}"CBStore.plaintext:mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6/isZeroBalanceWallet^^falsefCBStore.plaintext:mnemonic/ETH/0x886F08C7506058410D3Ed809FfeFd81F581E17C6/lastZeroBalanceFireTimeStamp^17236786888950`

6. \data\media\0\Pictures\Screenshots\Screenshot_20240808-105351.png

a.



7. \data\data\com.android.chrome\cache\Offline
Pages\archives\10c56c26-dddf-4943-8605-5cd417e59e24.mhtml
 - a. <https://pay.coinbase.com/buy/send/success/details?appId=a7ca65d7-6100-4818-bc71-e83ae065885&defaultExperience=buy&defaultNetwork=ethereum&destinationWallets=5B7Baddress3A0x593B6F0c7688aA0c98e8C9C69D67599dECAcadCblockchains3A5BethereumOptimismCarbitrumCpolygonCbaseCavalanche-c-chain5DCassets3A5BETHCUSDCCDAICMATICCAVAXCwBTC5D7D5D>
8. \data\user\0\org.toshi\cache\http-cache\47b6a1ef6418929850d738acbddfdcae.0
 - a. <https://chain-proxy.wallet.coinbase.com/api?module=account&action=txlist&address=0x886F08C7506058410D3Ed809FfeFd81F581E17C6&page=1&offset=50&sort=desc&targetName=gnosis-gnosis-scan&apiKey=7739c80e-684a-40a1-bbc3-977ac36b26fc>
9. \data\user\0\org.toshi\cache\http-cache\9daa4498c0c764a6839ddf8e9e56896f.0
 - a. <https://chain-proxy.wallet.coinbase.com/api?module=account&action=tokenTx&address=0x886F08C7506058410D3Ed809FfeFd81F581E17C6&page=1&offset=50&sort=desc&targetName=zetaChain-mainnet-etherscan&apiKey=GAH6BHW1W XF3TNQ4AH3G44B7BWVVKPKSV5>

Zengo



Package Name: com.zengo.wallet

Wallet Findings:

1. \data\data\com.zengo.wallet\databases\RKStorage
 - a. User attributes, email address

```
{
  "UserAttributes": [
    {
      "Name": "sub",
      "Value": "f0ed82ef-f933-40df-b3a9-17f36d14c90f"
    },
    {
      "Name": "email_verified",
      "Value": "true"
    },
    {
      "Name": "locale",
      "Value": "en-US"
    },
    {
      "Name": "email",
      "Value": "clvb333@gmail.com"
    }
  ],
  "Username": "f0ed82ef-f933-40df-b3a9-17f36d14c90f"
}
```

- ### b. User Account Balance

```
{
  "userInfo": {
    "anonymousId": "f90ddd7c-3b29-44bf-99a5-a817221c40a5",
    "userId": "f0ed82ef-f933-40df-b3a9-17f36d14c90f",
    "traits": {
      "Email": "clvb333@gmail.com",
      "Backup status": "Backed up",
      "Local currency": "USD",
      "Amount Staked": 0,
      "Amount lending": 0,
      "Notification status": "Disabled",
      "Current balance": "0.00000000000000000000000000000000"
    }
  }
}
```

2. `\data\data\com.zengo.wallet\shared_prefs\react-native.xml`

```
1 <map>
2 <string name="seenCashbackUnlockedDialog">false</string>
3 <string name="hasFaceMap">false</string>
4 <string name="hasAdditionalFaceMap">false</string>
5 <string name="earnableAssets">[{"symbol":"XIZ", "earningMethods":[{"type":"Staking", "providers":[{"name":"Figment Network", "savingsAddress":"tz15cdr2HsZiQjc7bHMeBbmDRXYVvdhj7bBh"},
6 <string name="accountCreationDateForV23AndUpUser">1722980921173</string>
7 <string name="isLaunching">true</string>
8 <string name="ignoreInitialSupportMessage">false</string>
9 <string name="didRequestNotificationPermission">true</string>
10 <string name="userReferralCode">"ZENIKPU5"</string>
11 <string name="deviceId">3cdaaeb02335bd9278893dd113271fbb1c90d63bbef8974ab7cf70b57e843fa0</string>
12 <string name="backupStatus">[{"googleDrive", "fileStatus":"verified", "account":"clvb333@gmail.com", "lastVerified":"2024-08-08T16:10:36.157Z"}]</string>
13 <string name="backupGoogleDriveFileId">1RgtE00_6Cq7fnxPJUs68_DRE14mucSPI</string>
14 <string name="numReferralPending">0</string>
15 <string name="totalReferralEarnings">0</string>
16 <string name="backupGooglePendingFileIdSync">false</string>
17 <string name="magicLinkEmail">clvb333@gmail.com</string>
18 <string name="masterKeyID">df843eaf-7a08-4a61-baf9-1d2f8af42a99</string>
19 <string name="isSignedIn">true</string>
20 <string name="totalUserBalanceState">{"totalFiatValue":"0.00000000000000000000000000000000", "totalFiatValueLocalCurrency":0, "fiatSymbol":"USD", "timestamp":1721313430848}</string>
21 <string name="localCurrencyCode">"USD"</string>
```

3. \data\data\com.zengo.wallet\cache\purchasely\user_attributes.json
 - a. [{"key": "registration_date", "value": "2024-08-06T21:48:41Z", "type": "Date"}]
4. \data\data\com.zengo.wallet\files\AdjustIoActivityState
 - a. UUID: 282f2301-b215-4be7-ab56-c1a9f5908a57
5. \data\data\com.zengo.wallet\app_webview\pref_store
 - a. {"aw_metrics_app_package_name_logging_rule_last_update": "13367606641798788", "uninstall_metrics": {"installation_date2": "1723133041"}, "user_experience_metrics": {"client_id2": "cf553be1-fbab-4961-9d9e-39244a8eb585", "client_id_timestamp": "1723133041", "low_entropy_source3": 5289, "session_id": 1, "stability": {"launch_count": 1, "page_load_count": 19, "renderer_launch_count": 1}}, "variations_country": "us", "variations_last_fetch_time": "13367595190674000", "variations_permanent_consistency_country": ["103.0.5060.71", "us"], "variations_seed_date": "13367595190674000"}
6. \data\user\0\com.zengo.wallet\cache\http-cache\b8622c639ae193dbac4f4dda9c94a772.1\b8622c639ae193dbac4f4dda9c94a772.1\0
 - a. BEGIN PUBLIC
KEY-----\nMFYwEAYHKoZIzj0CAQYFK4EEAAoDQgAESND9gpoSfhOBq4nxb/gghyViiR6yIsoc\nkJOFFHSo4eOwg5b77iwTPV784aJyZ1VerGDIONzqliPg
aKia5hHzg==\n-----END PUBLIC KEY
7. \data\data\com.zengo.wallet\cache\http-cache\dc90777a02e1edeb49602568cf060b64.1\dc90777a02e1edeb49602568cf060b64.1\0
 - a. [0,
"https://buy.moonpay.com?apiKey=pk_live_dvi5zCdeC76Jrnhk7usngGhU3mC39Nk&externalCustomerId=f0ed82ef-f933-40df-b3a9-17f36d14c90f&colorCode=%2335c4ba¤cyCode=doge&walletAddress=DLqNST7bWzvMPERsKvYFrJQdEHbmJgEPf3&feeBreakdown=false&enabledPaymentMethods=credit_debit_card%2Capple_pay%2Cgoogle_pay%2Csamsung_pay%2Csepa_bank_transfer%2Cgbp_bank_transfer%2Cgbp_open_banking_payment&email=clvb333%40gmail.com&signature=YWyi3VVCiPVDrimbkTKu%2BOCcJDzDPFT3FpYADTKHttY%3D"
 - b. [0,
"https://buy.moonpay.com?apiKey=pk_live_dvi5zCdeC76Jrnhk7usngGhU3mC39Nk&externalCustomerId=f0ed82ef-f933-40df-b3a9-17f36d14c90f&colorCode=%2335c4ba¤cyCode=btc&walletAddress=36J27V2E3Dw8gksn7zarUj1Qu6ymAkhpj&feeBreakdown=false&enabledPaymentMethods=credit_debit_card%2Capple_pay%2Cgoogle_pay%2Csamsung_pay%2Csepa_bank_transfer%2Cgbp_bank_transfer%2Cgbp_open_banking_payment&email=clvb333%40gmail.com&signature=CWsh%2FkbDumRfxxdl4UAUk5eGgivfz6oUw2x2yOkUOzQ%3D"

8. \data\data\com.zengo.wallet\cache\WebView\Default\HTTP
Cache\Cache_Data\0f418e80fb6f11ba_0
- a. https://buy.moonpay.com/?apiKey=pk_live_dvi5zCdeC76Jrnhk7usngGhU3mC39Nk&externalCustomerId=f0ed82ef-f933-40df-b3a9-17f36d14c90f&colorCode=%2335c4ba¤cyCode=doge&walletAddress=DLqNST7bWzvMPERsKvYFrJQdEHbmJgEPf3&feeBreakdown=false&enabledPaymentMethods=credit_debit_card%2Capple_pay%2Cgoogle_pay%2Csamsung_pay%2Csepa_bank_transfer%2Cgbp_bank_transfer%2Cgbp_open_banking_payment&email=clvb333%40gmail.com&signature=YWyi3VVCiPVDrimbkTKu%2BOCcJDzDPFT3FpYADTKHttY%3D

eToro



Package Name: com.etoro.wallet

Wallet Findings:

1. \data\data\com.etoro.wallet\app_webview\Default\Cookies
 - a. user email address

okies"."value")

%20%22clvb333%22%2C%22_alias%22%3A%20%22clvb333%22%7D

2. Username: \data\user\0\com.etoro.wallet\app_webview\Default\Local Storage\leveldb\000003.log

a. <https://www.etoro.com>lastUsername clvb333@gmail.com

3. Last application login timestamp: \data\data\com.etoro.wallet\app_webview\last-exit-info
 - a. {"exitInfoPid":32314,"timestampAtLastRecordingInMillis":1723677961996,"app State":2}

b. \$initial_referrer":"\$direct", "\$initial_referring_domain":"\$direct", "\$user_id":"clvb333", "Application": "walletAndroid", "AppVersion":"77.0.1", "page":"/create-wallet", "token":"dbbd7bd9566da85f012f7ca5d8c6c944"} } }](_https://www.etoro.com

4. Installed date: \data\data\com.android.vending\databases\library.db

Table: ownership								
	account	library_id	backend	doc_id	doc_type	offer_type	document_hash	purchase_time
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
a. 20	clvb333@gmail.com	3	3	com.etoro.wallet	1	1	-2859709818334444937	1723055326815

5. \data\user\0\com.etoro.wallet\cache\WebView\Default\HTTP
Cache\Cache_Data\7014620de1d761c3_0
 - a. [https://www.etoro.com/api/
wallet/v1/cryptos/metadata?includeErc20=true&client_request_id=cd51735d-e58
3-442e-b417-5c4d8e455534&session_guid=7e632041-54fa-4bb9-817a-79d18f00
700d&user_session=48485b38-3440-4374-b6b5-8d4aec3718d8](https://www.etoro.com/api/wallet/v1/cryptos/metadata?includeErc20=true&client_request_id=cd51735d-e583-442e-b417-5c4d8e455534&session_guid=7e632041-54fa-4bb9-817a-79d18f00700d&user_session=48485b38-3440-4374-b6b5-8d4aec3718d8)

Guarda



Package Name: com.crypto.multiwallet

Wallet Findings:

1. \data\data\com.crypto.multiwallet\databases\RKStorage
 - a. Password, wallet, private key, seed phrase

```
"mnemonic": "soda wheat black jump flash actress weasel grant arena cinnamon bird story",
"last-update-time": 1723682099108,
"version": 50,
"autobackup-setting": 0,
"uuid": "0GX7M5eN9opkRgroEpbLU7sMIvVpZx9IK1hi",
"session-timeout": ""
```
 - b.

```
{\"address\": \"1K5PmcEpx5pnMz92oSfMn9fxeqpJ3XZtci\", \"privateKey\": \"KxJ
FhoEFfCP91BBPTzxG4LFfGV5CSHFYbpzTFo6MmT49Jj5eufSJ\", \"publicKey\
\": \"033e32b612071d3937a3fe64ae58dbe703952f7208714b7339293b6320aa17d3
6a\", \"balance\": \"0\", \"currency\": \"btc\", \"title\": \"Bitcoin\", \"uuid\": \"sok2zZqEr
H8b\", \"derivedFromMnemonicUsing\": {\"accountIndex\": 0}
```
 - c. backup:

```
{\"type\": \"decrypted\", \"masterPassword\": \"0fdca547cab0e9535f466fdd50d7cc
59(tXntTbJFzh]4EuQVmjzM9GXHCth8\", \"data\": {\"walletsByUuids\": {\"8_wz
AqrwWJXT\": {\"address\": \"bnb1zt4g8vy9a8wrm0zhtypv15dxpmd86m83ymkwh
k\", \"privateKey\": \"61f816ef20b60f78e18317eeb476665bbcad678afbea1ebdf115
5820e1e18389\", \"balance\": \"0\", \"currency\": \"bnb\", \"title\": \"Binance
Coin\", \"uuid\": \"8_wzAqrwWJXT\", \"derivedFromMnemonicUsing\": {\"account
Index\": 0}, \"subWallets\": [{\"isFakeToken\": true, \"uuid\": \"BwDt3aFN2qMC\", \"
currency\": \"ava-645\", \"address\": \"bnb1zt4g8vy9a8wrm0zhtypv15dxpmd86m83
ymkwhk\", \"precision\": 8, \"title\": \"Travala\", \"family\": \"bnb\", \"privateKey\": \"
61f816ef20b60f78e18317eeb476665bbcad678afbea1ebdf1155820e1e18389\", \"p
arentUuid\": \"8_wzAqrwWJXT\", \"smartContract\": \"ava-645\", \"balance\": \"0\", \"
subWallets\": [], {\"isFakeToken\": true, \"uuid\": \"nVr_lSwgYZ5v\", \"currency\":
\"now\", \"address\": \"bnb1zt4g8vy9a8wrm0zhtypv15dxpmd86m83ymkwhk\", \"pr
ecision\": 8, \"title\": \"ChangeNOW
Token\", \"family\": \"bnb\", \"privateKey\": \"61f816ef20b60f78e18317eeb476665b
bcad678afbea1ebdf1155820e1e18389
```
2. Application UUID
\\data\data\com.crypto.multiwallet\files\com.google.firebase.crashlytics.files.v2:com.cryp

to.multiwallet\open-sessions\66BD4CF1013700012FDD8A14E11ADBFF\native\app.json

- a. 6f7bb0743c164ce7941265206160eedb
 3. \data\data\com.crypto.multiwallet\files\mmkv\mmkv.default
 - a. mmkv-cache--440166755'&{"state":"loading","previous":"empty"}^mmkv-cache-209358152{"state":"cached","ttl":86400000,"createdAt":1723682101607,"data":{"data":{"lastUpdate":88915,"list":[{"id":"btc","ticker":"btc","family":"","contract":"","title":"Bitcoin","rate":58847.77454575762,"rank":1,"decimals":8},{id":"eth","ticker":"eth","family":"","contract":"","title":"Ethereum","rate":2659.8265987122068,"rank":2,"decimals":18},{id":"usdt.eth:0xdac17f958d2ee523a2206206994597c13d831ec7","ticker":"usdt","family":"eth","contract":"0xdac17f958d2ee523a2206206994597c13d831ec7","title":"Tether USDt","rate":1.0002533994769067,"rank":3,"decimals":6}
4. \data\data\com.crypto.multiwallet\cache\http-cache\0cd6ccf47c92ac61c87bd640e1efdd16.0
 - a. <https://tron.guarda.com/api/account?address=TA7khtsXLXVV8wATdmRGyPizxzL3yBr3wX>
5. \data\user\0\com.crypto.multiwallet\cache\http-cache\5489863c42bdbec239d991d8a0cf3335.0
 - a. <https://ethbook.guarda.co/api/address/0xacd0fa3f01e5ce9d4d15809c78abb9252ec7a655>
6. \data\data\com.crypto.multiwallet\cache\http-cache\9f14ac65cf54fb29b6252af5edfdd2ce.0
 - a. <https://bscbook.guarda.com/api/address/0xacd0fa3f01e5ce9d4d15809c78abb9252ec7a655?details=txs&pageSize=100&noHex=true>

Phantom



Package Name: app.phantom

Wallet Findings:

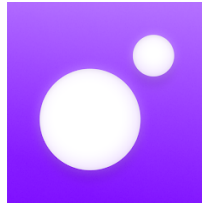
1. Transaction data: \data\data\app.phantom\files\mmkv\mmkv.default
 - a. ETH, "imageUrl": "https://dhc7eusqrdwa0.cloudfront.net/assets/ethereum.png", "decimals": 18, "logoUri": "https://cdn.jsdelivr.net/gh/trustwallet/assets@master/blockchains/ethereum/assets/0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2/logo.png", "name": "Ethereum", "symbol": "ETH", "coingeckoId": "ethereum", "spamStatus": "VERIFIED", "walletAddress": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123", "amount": "12351433857000", {"type": "BitcoinNative", "data": {"chain": {"id": "bip122:000000000019d6689c085ae165831e93", "name": "Bitcoin", "symbol": "BTC",
 - b. https://dhc7eusqrdwa0.cloudfront.net/assets/ethereum.png", "decimals": 18, "logoUri": "https://cdn.jsdelivr.net/gh/trustwallet/assets@master/blockchains/ethereum/assets/0xC02aaA39b223FE8D0A0e5C4F27eAD9083C756Cc2/logo.png", "name": "Ethereum", "symbol": "ETH", "coingeckoId": "ethereum", "spamStatus": "VERIFIED", "walletAddress": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123", "amount": "12351433857000", {"type": "BitcoinNative", "data": {"chain": {"id": "bip122:000000000019d6689c085ae165831e93", "name": "Bitcoin", "symbol": "BTC", "imageUrl": "https://dhc7eusqrdwa0.cloudfront.net/assets/bitcoin.png", "decimals": 8, "logoUri": "https://dhc7eusqrdwa0.cloudfront.net/assets/bitcoin.png", "name": "Bitcoin", "symbol": "BTC", "coingeckoId": "bitcoin", "spamStatus": "VERIFIED", "walletAddress": "bc1q09qgar6py3est98y6qr5wfp068j2pezase37zx", "amount": "0"}}
2. data\data\app.phantom\files\SQLite\simpleStorage.db

a. Wallet addresses

```
"version": 1,
"accounts": [
  {
    "version": 1,
    "type": "seed",
    "identifier": "4683be7e063f4ef86e08b038f1dc2f0527972756acea7fbd3f33c05c44c975ea",
    "seedIdentifier": "ad9de006c2ca52adb75e9640e793a531168897c5cda11f7fd54bcbdd66c9b1c64",
    "derivationIndex": 0,
    "chains": {
      "solana": {
        "chainType": "solana",
        "pathType": "bip44Change",
        "publicKey": "6iwChzVqP2fG8v3RMhf9uu7tPhe8hJ55HCps7oEqCHzB"
      },
      "eip155": {
        "chainType": "eip155",
        "pathType": "bip44Ethereum",
        "publicKey": "0x961F79a2910cd641Dc6f7eF672561bA021C3b123"
      },
      "bip122_p2tr": {
        "chainType": "bip122_p2tr",
        "pathType": "bitcoinTaproot",
        "publicKey": {
          "type": "Buffer",
```

3. /LogicalFileSet1/AndroidFullyLoggedInCrypto-001.tar/data/data/app.phantom/no_backup/expo_installation_uuid.txt
- a. 6073c5bb-a803-4a1c-ab00-87d652260d51

MoonPay



Package name: com.moonpay

Wallet findings: Moonpay data is primarily found within the web cache data.

1. User data: Path \data\user\0\com.android.vending\databases\library.db

a.

account	library_id	backend	doc_id ▲	doc_type	offer_type	document_hash	purchase_time
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
clvb333@gmail.com	3	3	com.moonpay	1	1	-3172032579377888975	1723132738168

2. User profile data: \data\data\com.android.chrome\app_chrome\Default\Local Storage\leveldb\000006.log

a.

```
{ "birthday": "██████████", "createdAt": "2024-08-08T16:00:11.403Z", "userCreationMonth": "202408", "email": "clvb333@gmail.com", "firstName": "██████████", "lastName": "██████████", "nationality": "USA", "ipAddressCountryCode": "USA", "ipAddressStateCode": "DC", "accountId": "66b7fa3c-596c-4835-bea5-2a7d88b551e3", "partner": "Phantom", "partnerId": "66b7fa3c-596c-4835-bea5-2a7d88b551e3", "partnerName": "Phantom", "organizationId": "0aee56b8-49aa-4d5a-9239-28e444e07f6c", "organizationName": "Phantom", "branch": "master", "platform": "Widget", "Release": "0.1.0-bda09a9.202408141228", "iframeParent": "Iframe not detected", "subflow": "BuyPrincipal", "flow": "buy", "transactionType": "Buy", "anonymousId": "e85f733a-fcc8-416e-83d3-6efc8efe3bfa", "screenName": "Login Form (Enter email verification code)", "baseCurrencyCode": "usd", "quoteCurrencyCode": "btc", "baseCurrencyAmount": 39.55, "quoteCurrencyAmount": 0.00065, "totalAmount": 40, "networkFeeAmount": 0.15, "feeAmount": 0, "extraFeeAmount": 0.3, "emailVerificationRequired": false, "isReturningCustomer": true }
```

3. Web History Artifact

a. Date Accessed : 2024-08-14 23:05:07 EDT

URL :

https://buy.moonpay.com/?apiKey=pk_live_g3KLHBinccCUh1j2eXWng19TFuqcItWC&enabledPayments=credit_debit_card%2Capple_pay%2Cgoogle_pay%2C

samsung_pay%2Csepa_bank_transfer%2Cgbp_bank_transfer%2Cgbp_open_ban
king_payment&colorCode=%234E44CE&
walletAddresses=%7B%22btc%22%3A%22bc1qae8r5zcel2k4gyjetcps70tfg3qqn
2e3z5qqtg%22%7D&defaultCurrencyCode=btc&baseCurrencyAmount=40&sign
ature=yBChLx%2B5ng9cWAoV8m1jvdepiOZo8%2Bj%2FGKLv5g0f2Ag%3D
Title : MoonPay
Comment : Chrome History

Rainbow



Package Name: me.rainbow

Wallet Findings:

1. Wallet address and balance:

Path: \data\data\me.rainbow\files\mmkv\rainbowKeychainLocalStorage

- a. "version":1,"wallets":{"wallet_1723127327795":{"addresses":[{"address":"0x593B26F0c7688aA0c98e8C9C69D675299dECAcad",

```
    {"state":{"associatedWalletAddress":
    0x593B26F0c7688aA0c98e8C9C69D675299dECAcad","chainBalances":
    [[1,0.4510614255],[8453,0],[10,0],[42161,0],[137,0],[7777777,0],[81457,
    0],[666666666,0],[43114,0],[56,0]],"idsByChain":[[1,["eth_1"]],[8453,[]],
    [10,[]],[42161,[]],[137,[]],[7777777,[]],[81457,[]],[666666666,[]],[43114,
    []],[56,[]],["all",["eth_1"]]],"userAssets":[["eth_1",{"address":"eth",
    "uniqueId":"eth_1","chainId":1,"chainName":"mainnet","mainnetAddress":"eth",
    "isNativeAsset":true,"native":{"price":{"change":"3.61%","amount":2485.
    05,"display":"$2,485.05"},"balance":{"amount":"0.4510614255","display
    ":"$0.45"}},{"name":"Ethereum","price":{"value":2485.05,"changed_at":1
    723130115,"relative_change_24h":3.614121257353964},"symbol":"ETH",
    "type":"native","decimals":18,"icon_url":"https://rainbowme-res.cloudinary
    .
```

2. \data\data\me.rainbow\files\mmkv\mmkv.default

- a. [ÿÿÿ
hidden-coins-obj-null{}pinned-coins-obj-null{}7pinned-coins-0x593B26F0c7688aA0c98e8C9C69D675299dECAcad["undefined_mainnet"]7hidden-coins-0x593B26F0c7688aA0c98e8C9C69D675299dECAcad[];hidden-coins-obj-0x593B26F0c7688aA0c98e8C9C69D675299dECAcad{};pinned-coins-obj-0x593B26F0c7688aA0c98e8C9C69D675299dECAcad{"undefined_mainnet":true}

3. data\data\me.rainbow\files\com.google.firebase.crashlytics.files.v2:me.rainbow\open-sessions\66B4DB73010200013B7AA1E868FB8F26\native\app.json

- a. UUID: 8baf70600ede4cc9ada3093e9c6e6796
- b. \data\data\me.rainbow\app_webview\pref_store

```
Uninstall_metrics":{"installation_date2":"1723127155"},"user_experience_metrics":{"client_id2":"3e66970c-e339-4d75-83e4-217ed93b0428","client_id_timestamp":"1723127155","low_entropy_source3":6875,"session_id":1,"stability":{"launch_count":1,"page_load_count":0,"renderer_launch_count":0}},"variations_country":"us"}
```

4. \data\data\me.rainbow\cache\sentry\401bcfcb4f16aaa63549e26396ff61f3422791db\scope-cache\user.json
 - a. {"id":"7vGOUuV0OaLGDmBqLn3-C","data":{"currentWalletAddress":"0x5f9a3e90f06794b93a9e16e4777a24ffedc6cd2bdc40ed76df82d3ce78b1dccc"}}

5. \data\misc\keystore\persistent.sqlite

a.	rainbowAddressKey
	rainbowAllWalletsKey
	rainbowPinKey
	rainbowSelectedWalletKey
	reboot_escrow_key_store_encryption_key
	signature_0x593B26F0c7688aA0c98e8C9C69D675299dECAcad

MetaMask



Package Name: io.metamask

Wallet Findings:

1. Wallet: \data\data\io.metamask\cache\WebView\Default\HTTP
Cache\Cache_Data\35197e4d9453e19e_0
 - a. <https://account.api.cx.metamask.io/accounts/0xe33cab16ae3a5ce54698709793aa6319c9cd129f>
2. \data\user\0\io.metamask\cache\WebView\Default\HTTP
Cache\Cache_Data\0872b6e62e813712_0
 - a. <https://staking.api.cx.metamask.io/v1/staking/any-directly-staking/1?addresses=0xe33cab16ae3a5ce54698709793aa6319c9cd129f>
3. \data\data\io.metamask\cache\WebView\Default\HTTP
Cache\Cache_Data\2ad33e353f29b3bb_0
 - a. <https://staking.api.cx.metamask.io/v1/staking/any-directly-staking/1?addresses=0x23e028adAAA9235Bfc711228457f8E63284df422,0xe33cab16ae3a5ce54698709793aa6319c9cd129f>
4. Wallet's: \data\data\io.metamask\app_webview\Default\LocalStorage\leveldb\000005.ldb
 - a.

```
__type":"Map","value":[["e6aac86a63d",{"accoue7
["
0x23E028AdAAa9235BFc711228457F8E63284DF422"],"chainId":1,
id":
,"nam
etek
,injected","u
}}]],6f
urrent":6)
,"va&(on":2},
E33CAb16Ae3A5cE54698709793Aa6319c9Cd129F"
'j3N_https://portfolio.metamask.io
```

5. Wallet addresses and balance: \data\user\0\io.metamask\files\persistStore\persist-root

a.

```
Analysis Result 4,104
Score:
Likely Notable
Type:
Keyword Hits
Configuration:

Conclusion:

Keyword:
0xe33cab16ae3a5ce54698709793aa6319c9cd129f
Keyword Preview:
{"accounts":{"0xe33cab16ae3a5ce54698709793aa6319c9cd129f":{"balance":"0x
Keyword Regular Expression:
0xE33CAb16Ae3A5cE54698709793Aa6319c9Cd129F
Keyword Search Type:
1
Analysis Result 4,105
Score:
Likely Notable
Type:
Keyword Hits
Configuration:

Conclusion:

Keyword:
0x23e028adaaa9235bfc711228457f8e63284df422
Keyword Preview:
"0x9b3f3e3f980\{"0x23e028adaaa9235bfc711228457f8e63284df422":{"balance":"0x
Keyword Regular Expression:
0x23E028AdAaA9235BFc711228457F8E63284DF422
Keyword Search Type:
1
Analysis Result 4,106
Score:
Likely Notable
Type:
Keyword Hits
Configuration:

Conclusion:

Keyword:
0x90ce182e80ac7ddb86d8f39635738929001ddcac
Keyword Preview:
55ee3a45cf044f\{"0x90ce182e80ac7ddb86d8f39635738929001ddcac":{"balance":"0x
Keyword Regular Expression:
0x90cE182E80AC7DDB86D8F39635738929001DDCAc
Keyword Search Type:
```

6. \data\data\io.metamask\cache\http-cache\45f004a609ad9b374b009282fd83e560.0

a. [https://api.etherscan.io/api?module=account&](https://api.etherscan.io/api?module=account&address=0x23e028adaaa9235bfc711228457f8e63284df422)

[address=0x23e028adaaa9235bfc711228457f8e63284df422](https://api.etherscan.io/api?module=account&address=0x23e028adaaa9235bfc711228457f8e63284df422)

7. \data\user\0\com.android.chrome\cache\Cache\Cache_Data\7db98ccfaee8fba6_0

a. <https://mercuryo.io>

https://exchange.mercuryo.io/?country_code=US¤cy=ETH&fiat_currency=USD&fiat_amount=28&

[address=0xE33CAb16Ae3A5cE54698709793Aa6319c9Cd129F&merchant_transaction_id=0c6f730aa462a8635&redirect_url=metamask%3A%2F%2Fon-ramp%2Fproviders%2Fmercuryo&widget_id=b42c13c6-e5f9-4649-be86-f9cfd071ba34&payment_method=google&type=buy&fix_fiat_currency=true&fix_currency=true&fix_fiat_amount=true&fix_amount=true&fix_payment_method=true&network](https://exchange.mercuryo.io/?country_code=US¤cy=ETH&fiat_currency=USD&fiat_amount=28&address=0xE33CAb16Ae3A5cE54698709793Aa6319c9Cd129F&merchant_transaction_id=0c6f730aa462a8635&redirect_url=metamask%3A%2F%2Fon-ramp%2Fproviders%2Fmercuryo&widget_id=b42c13c6-e5f9-4649-be86-f9cfd071ba34&payment_method=google&type=buy&fix_fiat_currency=true&fix_currency=true&fix_fiat_amount=true&fix_amount=true&fix_payment_method=true&network)

=ETHEREUM&fix_network=ETHEREUM&partner_flow=metamask&signature
=e81135399916079443091008afee167924c25918e0187281cbbdaf006a8c3cb37c
138f72cd78f8657922a2308abdceec8d9da45ab974b0365626d03e63c1cf14&
hide_address=true

OKX



Package name: com.okinc.okex.gp

Wallet Findings:

1. \data\user\0\com.android.vending\databases\library.db

a. | clvb333@gmail.com | 3 | 3 | com.okinc.okex.gp

2. \data\data\io.horizontalsystems.bankwallet\databases\dbBankWallet

a. | > | 0x6cc5f688a315f3dc28a7781717a9a798a59fda7b | OKEx

Gemini



Package name: com.gemini.android.app

Wallet Findings:

1. User data: \data\user\0\com.android.vending\databases\library.db

a.

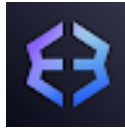
clvb333@gmail.com	3	3	com.gemini.android.app
clvb333@gmail.com	licensing	3	com.gemini.android.app

2. \data\data\io.horizontalsystems.bankwallet\databases\dbBankWallet

a.

>	0x5f65f7b609678448494de4c87521cdf6cef1e932	Gemini
---	--	--------

Exodus



Package Name: exodusmovement.exodus

Wallet Findings:

1. \data\data\com.android.vending\databases\library.db

a.

ownership								
account	library_id	backend	doc_id	document_hash	app_certificate_hash	shareability	purchase_time	
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	
105 c1vb333@gmail.com	3	3	exodusmovement.exodus	-2669682762342848476	rAFhvSzn-OYPPR9UOHMYqFwbngY	2	1723055839366	