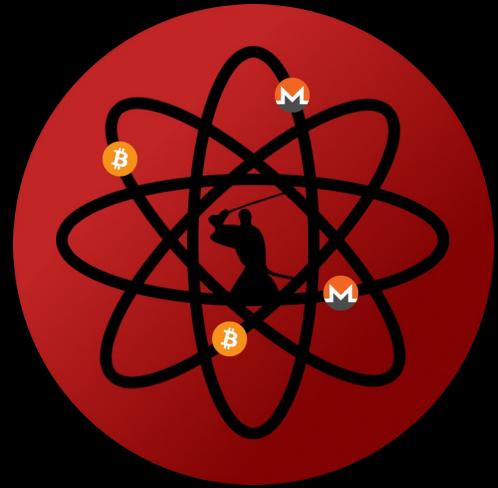


Samourai Swaps

Transaction Privacy Tool



Cyberpunk Ethos

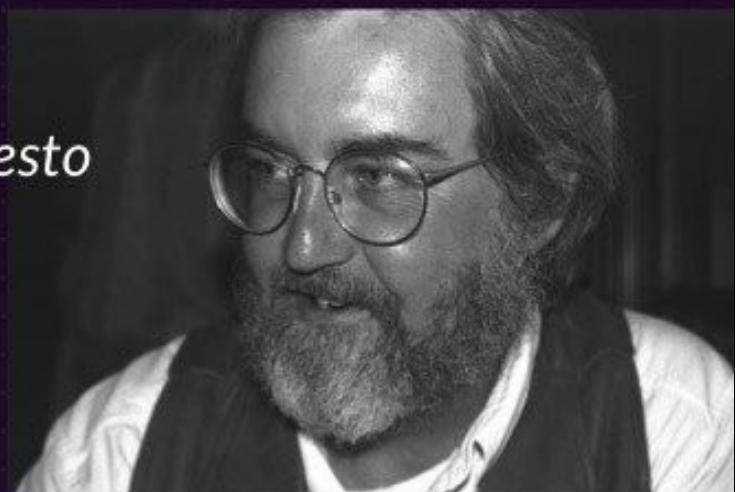
"Privacy is necessary for an open society in the electronic age. **Privacy is not secrecy.** A private matter is something one doesn't want the whole world to know, but a secret matter is something one doesn't want anybody to know. **Privacy is the power to selectively reveal oneself to the world.**"

— Eric Hughes, *A Cypherpunk's Manifesto* (1993)

Cyberpunk Ethos

Crypto anarchy will alter completely the nature of government regulation, the ability to tax and control economic interactions, the ability to keep information secret, and will even alter the nature of trust and reputation.

--*The Crypto Anarchist Manifesto*
Timothy C. May, 1988



Cyberpunk Ethos

CRYPTO ANARCHY IS THE CYBERSPATIAL REALIZATION OF ANARCHO-CAPITALISM, TRANSCENDING NATIONAL BOUNDARIES AND FREEING INDIVIDUALS TO MAKE THE ECONOMIC ARRANGEMENTS THEY WISH TO MAKE CONSENSUALLY.

- Timothy C. May, *Crypto Anarchy and Virtual Communities* (1994)



Cyberpunk Ethos

"Computer technology is on the verge of providing the ability for individuals to communicate with each other in a totally anonymous manner.

The State will of course try to slow or halt the spread of this technology, citing national security concerns, use of the technology by drug dealers and tax evaders, and fears of societal disintegration."

- The Crypto Anarchist Manifesto, Timothy May, 1988



Cypherpunk Ethos

"Cypherpunks deplore regulations on cryptography, for encryption is fundamentally a private act. The act of encryption, in fact, removes information from the public realm. Even laws against cryptography reach only so far as a nation's border and the arm of its violence."

- A Cypherpunk's Manifesto, Eric Hughes, 9th March 1993



Cyberpunk Ethos



If privacy is outlawed, only outlaws
will have privacy.

— *Phil Zimmermann* —

AZ QUOTES

Operational Security

No Privacy, No Freedom

Stealth is Wealth



Bitcoin in 2013



DEATH TO THE BANKS

Bitcoin in 2023



blackrock pls buy

Ideological Allies

- Monero Tribe valuable allies
- Most in touch with cypherpunk roots
- Gold/Silver?



Insurance

- More regulatory capture with BTC
 - Digital ID (KYC) & Social Credit System
 - Custodial (On-Chain & Layer 2)
 - ETFs
- Escape Hatch / Back Door
- Deeper Underground









Coincards.com - Buy Gift Cards with Bitcoin! 

@CoinCards

...

Here's a breakdown of usage (by \$ volume) on Coincards by percentage in January '24:

#BTC  (Onchain): 48.16%

#XMR: 21.34%

#ETH: 15.62%

#USDC: 11.65%

#LTC: 1.84%

#LightningNetwork: 0.96%

#Dogecoin: 0.42%

#Dash: 0%

#Solana: 0%

#USDT: 0%

#Matic: 0%

#Dai: 0%

Bisq Trading Volume



Markets

Currency	Price	Volume (7d)	Trades (7d)
Monero (XMR)	\$165.34	\$1,534,104	118
Euro (EUR)	€41,070.01	\$331,092	373
Ether (ETH)	\$2,335	\$230,940	12
US Dollar (USD)	\$42,921.01	\$229,710	249
Brazilian Real (BRL)	R\$223,256.27	\$159,618	144
British Pound (GBP)	£35,529.33	\$72,372	70

Darknet Markets

- Darknet Markets are the Freest Markets
- Frontlines of Free Trade
- Litmus Test for Freedom/Sovereign Money/Tech
- Pure Signal



Darknet Markets

Monero (XMR): What's New With the Dark Web Darling

The once-favorite coin of the dark web seems to have disappeared from the main pages. Is XMR still in demand?

by Simona Ram. Fact checked by: Ciaran Lawler, Editor: Heather Budreviciene

Published: February 23, 2023 | 1:00 PM GMT



DAILYCOIN

Bitcoin And Monero Are The Preferred Currencies For Trading On The Darknet

Web-IQ has been crawling and monitoring darknet marketplaces since 2016. These anonymous marketplaces facilitate illicit trade, fraud, and other serious crimes. To avoid leaving a money trail that can be used in investigations, these markets rely on anonymous cryptocurrency. Web-IQ analysed 70 of the most significant darknet markets to measure the adoption of cryptocurrency and how that has changed over the past 6 years.

Cryptocurrencies and privacy coins

Bitcoin has been the main form of payment on darknet markets since Silk Road, which is considered the first 'modern' darknet market. Cryptocurrency such as Bitcoin are unregulated since there are neither financial institutions nor government institutions involved. Bitcoin transactions and wallets are anonymous since the identity of the person behind an address is difficult to trace. Bitcoin however, is not private since every transaction and wallet is publicly visible in the blockchain. Other more private cryptocurrencies have emerged, referred to as privacy coins, of which Monero is the most popular one. Started in 2014, Monero aims to hide the addresses of the sender, recipient, and the full transaction amount.

Bitcoin and Monero are the preferred currencies on the darknet

For the analysis, we looked at 70 major darknet markets of which 35 are currently active and 35 no longer exist. All the markets support transactions in cryptocurrency.

≡ WIRED BACKCHANNEL BUSINESS CULTURE GEAR IDEAS MORE ▾ SIGN IN SUBSCRIBE

ANDY GREENESEK SECURITY JAN 26, 2017 7:00 AM

Monero, the Drug Dealer's Cryptocurrency of Choice, Is on Fire

As the black market caught on to its anonymity properties, Monero became the fastest growing cryptocurrency of 2016.

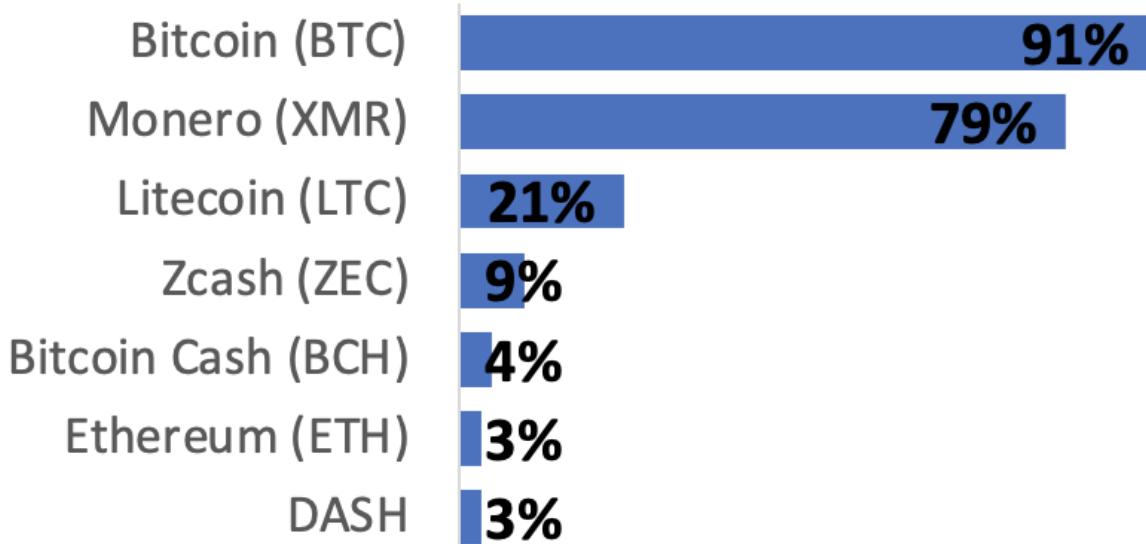


Top 8 Darknet Markets that Accept Monero

As the use of the darknet continues to grow, the need for private and secure transactions has become crucial. With the increasing popularity of cryptocurrencies, one particular digital currency, Monero, has gained significant attention for its focus on privacy and anonymity. Monero has emerged as a preferred payment method on several darknet markets, providing users with an additional layer of security when conducting transactions. In this article, we will list the top 8 darknet markets that accept Monero and see why individuals opt for using Monero on the [darknet markets](#).

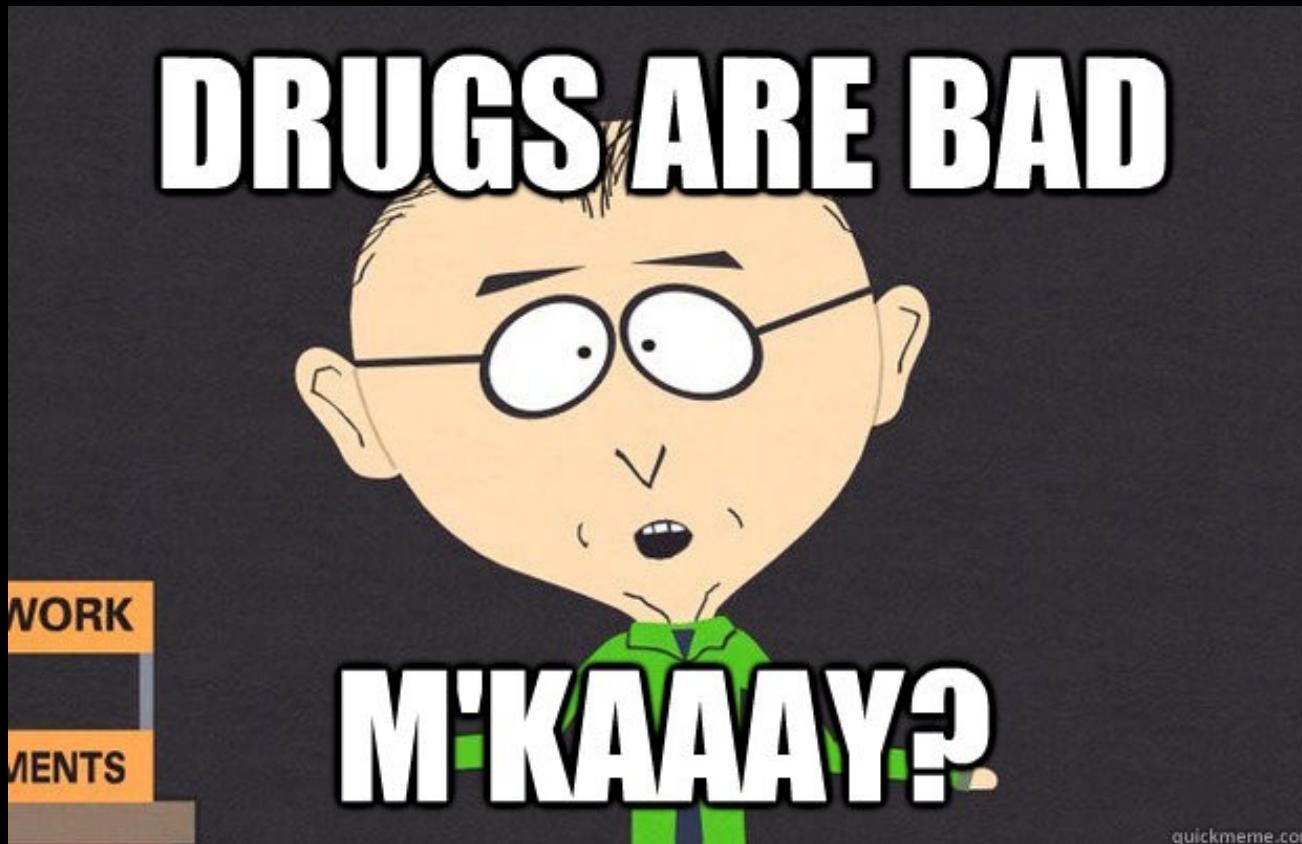
Darknet Markets

Crypto payment acceptance in darknet marketplaces



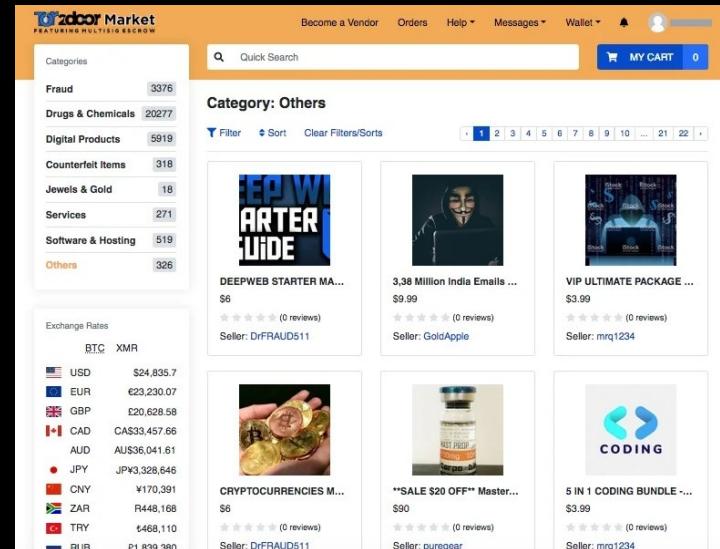
- XMR becoming recommended
- XMR gaining massive market share
- XMR Only DNMs
- Extra fee to use BTC

Darknet Markets

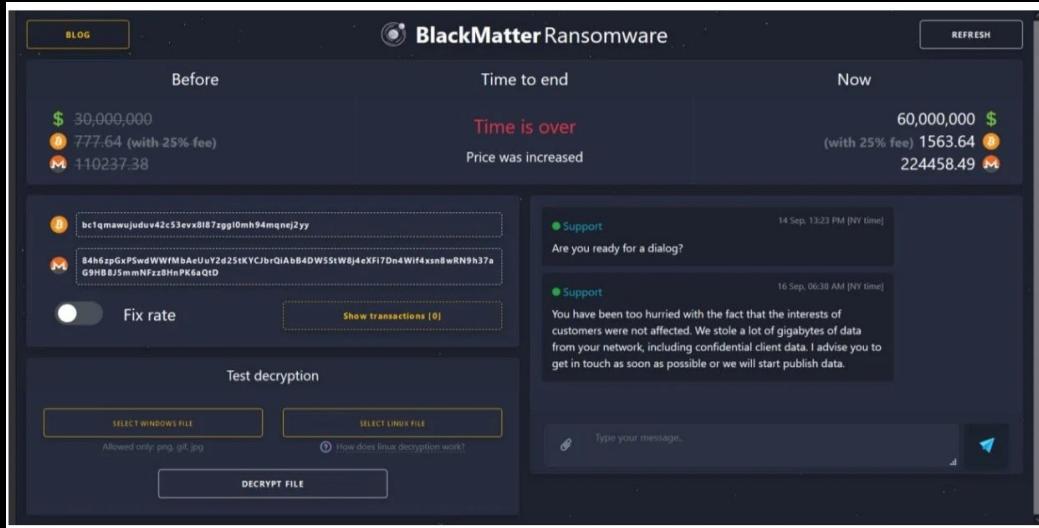


Darknet Markets

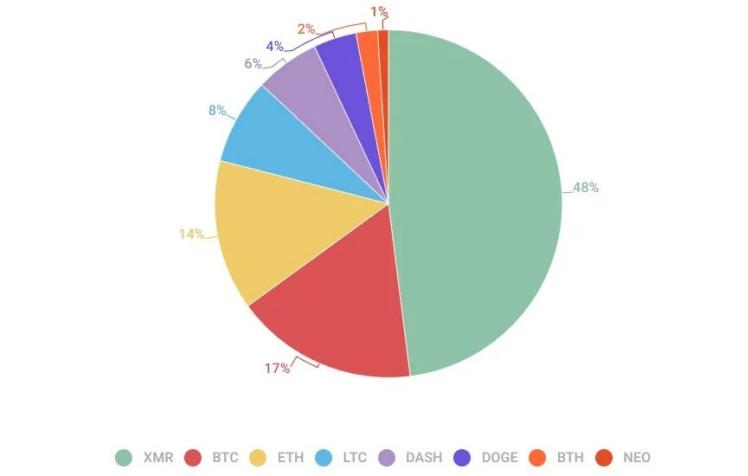
- Most popular drugs last couple of years:
 - Ivermectin
 - Hydroxychloroquine
- Cheaper generic prescriptions
- Disrupts Big Pharma's Monopoly
- Other goods besides Drugs



Ransomware/Malware



In addition to that, malicious XMR mining intensified in 2022. According to the Kaspersky cybersecurity firm, more than 153,000 new illegal crypto malware cases [were spotted](#) last year. Nearly half (48%) of them were secretly mining Monero.



Why Would I Swap?

- Dispose of Bad Bank
Doxxic Change
- Avoid On-Chain BTC
Congestion (Layer 2)
- Transaction Privacy
- Spend in XMR Economy
- Sell XMR for more BTC



Dispose of Bad Bank Doxxic Change

- Doxxic Change is result of Zerolink Coinjoin:
 - Break all deterministic links
 - Maximize entropy
- Allow you to spend without the associated risks
- Can accumulate and trade back to BTC once enough to Whirlpool



Avoid On-Chain Congestion (Layer 2)

- In high-fee periods, small BTC transactions can become uneconomical
- XMR can be used as a layer 2 to achieve lower fees / faster TXs (Free Float Peg)
- More Private, Secure, & Stable than Lightning
- More Permissionless & Decentralized than Liquid



- Monero: 70,930 BTC
- Whirlpool: 10,650 BTC
- Lightning: 4,930 BTC
- Liquid: 3,630 BTC

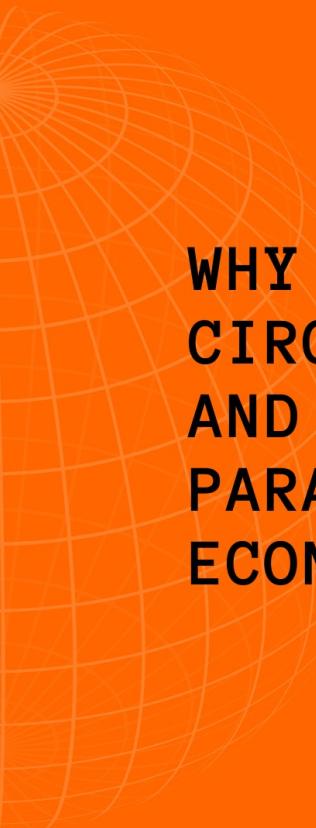


Transaction Privacy (Monero)

- Convenience
- Stealth Addresses: True recipient's address is never linked to the transaction on the blockchain
- Ring Signatures: Sender's identity remains a mystery
- RingCT: Amounts transferred are kept confidential



Spend in XMR Economy



WHY BUILD CIRCULAR AND PARALLEL ECONOMIES?

-  Remove reliance on state-issued IDs and approval
-  Enable non-discriminatory access to goods and services
-  Reduce governments control of Monero users via fiat on/off-ramps

Sell XMR for BTC

- Sell at Premium Rate
- Mine XMR on old computer



XMR Auditing

- Each mined block's coinbase is transparent
- Each TX uses ZK Range-Proofs to verify inputs equal outputs

We are

9y 295d 1h 3m 30s

without an inflation bug.

```
[ ric - working ]$ ./moneroed
2020-08-08 08:34:04.329 | Monero 'Nitrogen Nebula' (v0.16.0.1-release)
2020-08-08 08:34:04.329 | Initializing cryptonote protocol...
2020-08-08 08:34:04.329 | Cryptonote protocol initialized OK
2020-08-08 08:34:04.330 | Initializing core...
2020-08-08 08:34:04.330 | Loading blockchain from folder /Users/ric/.bitmonero/lmdb ...
2020-08-08 08:34:04.418 | Loading checkpoints
2020-08-08 08:34:04.419 | Core initialized OK
2020-08-08 08:34:04.419 | Initializing p2p server...
2020-08-08 08:34:04.425 | P2P server initialized OK
2020-08-08 08:34:04.425 | Initializing core RPC server...
2020-08-08 08:34:04.425 | Binding on 127.0.0.1 (IPv4):18081
2020-08-08 08:34:05.975 | Core RPC server initialized OK on port: 18081
2020-08-08 08:34:05.976 | Starting core RPC server...
2020-08-08 08:34:05.976 | Core RPC server started ok
2020-08-08 08:34:05.977 | Starting p2p net loop...
2020-08-08 08:34:06.977 | ****
2020-08-08 08:34:06.978 | The daemon will start synchronizing with the network. This may take a long time to complete.
2020-08-08 08:34:06.978 | ****
2020-08-08 08:34:06.978 | You can set the level of process detailization through "set_log <level><categories>" command,
2020-08-08 08:34:06.978 | where <level> is between 0 (no details) and 4 (very verbose), or custom category based levels (e.g., *:WARNING).
2020-08-08 08:34:06.978 | ****
2020-08-08 08:34:06.978 | Use the "help" command to see the list of available commands.
2020-08-08 08:34:06.978 | Use the "help <command>" to see a command's documentation.
2020-08-08 08:34:06.978 | ****
2020-08-08 08:34:07.722 | ****
2020-08-08 08:34:07.722 | You are now synchronized with the network. You may now start monero-wallet-cli.
2020-08-08 08:34:07.722 | ****
2020-08-08 08:34:07.722 | Use the "help" command to see the list of available commands.
2020-08-08 08:34:07.722 | ****
print_coinbase_tx_sum 0 2159932
Sum of coinbase transactions between block heights [0, 2159932] is 17753324.484863373941 consisting of 17658381.196647280752 in emissions,
and 94943.288216093189 in fees
```

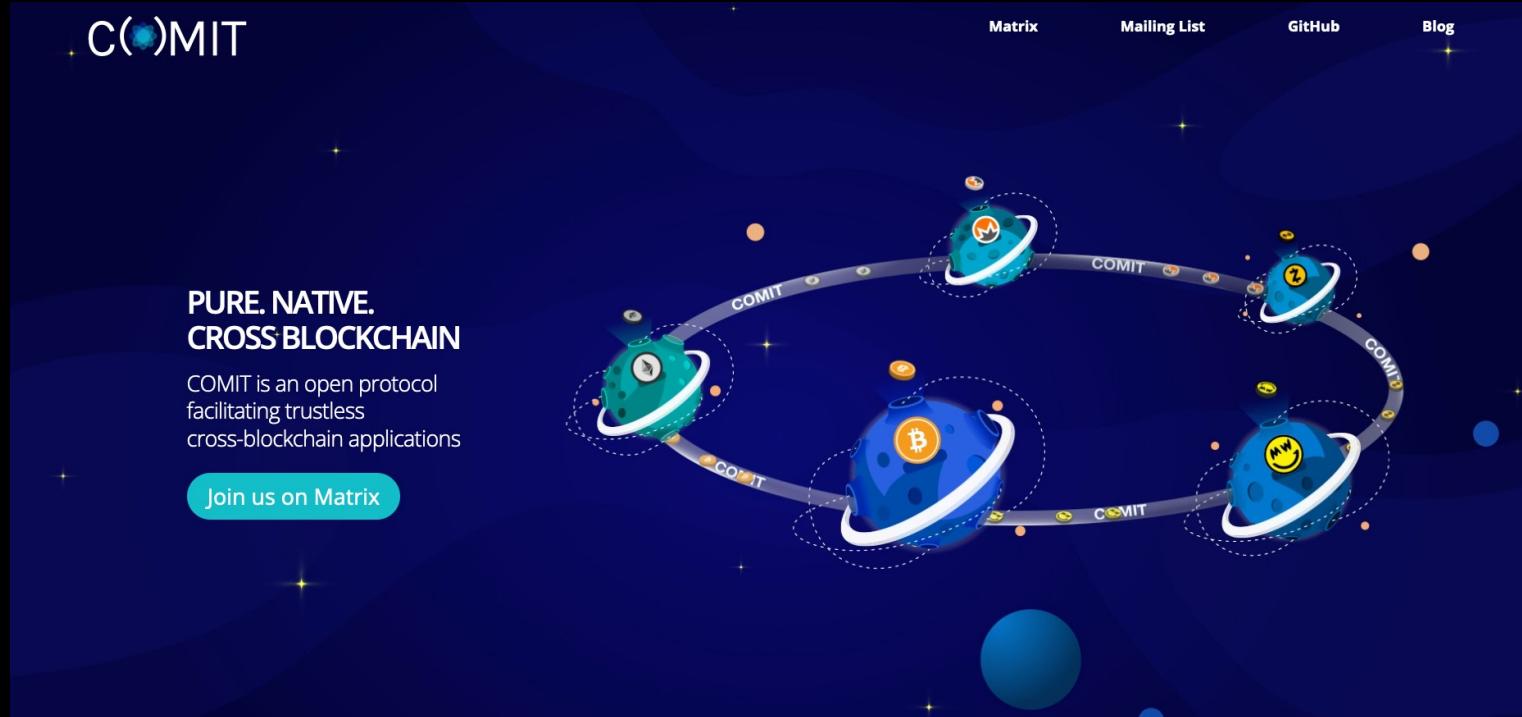
Swaps Architecture

- Hash Time-Lock Contracts (HTLCs)
- Adaptor Signatures (Scriptless Scripts)

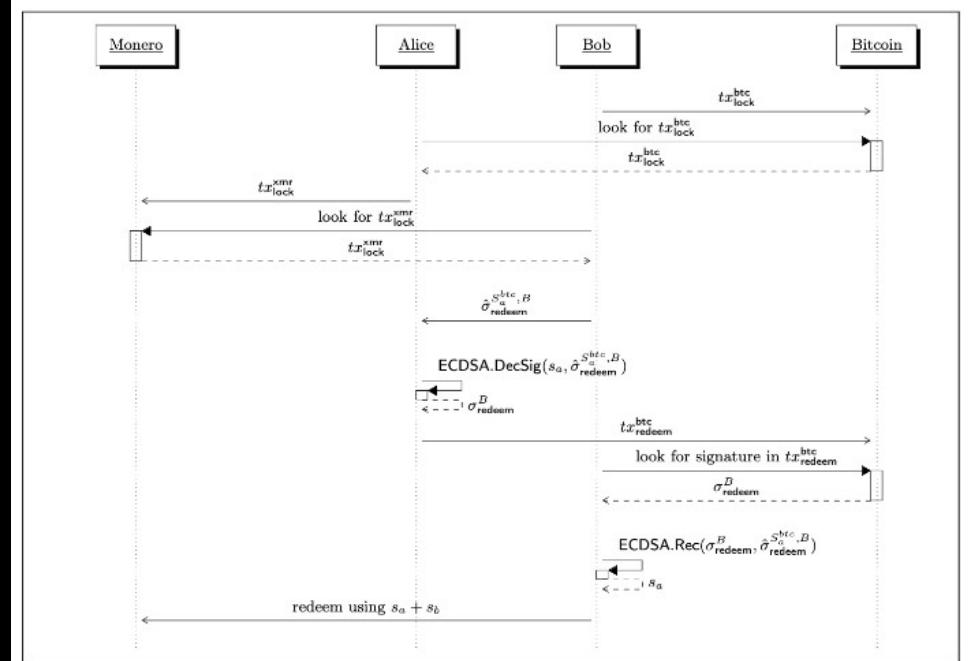
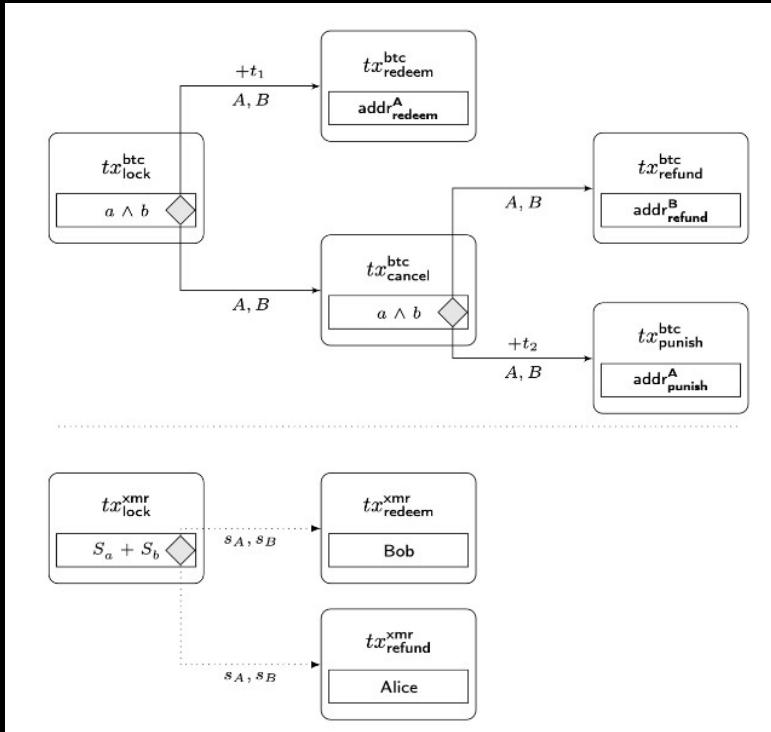


Swaps Architecture

- COMIT Network Protocol



Swaps Architecture



Swaps Architecture

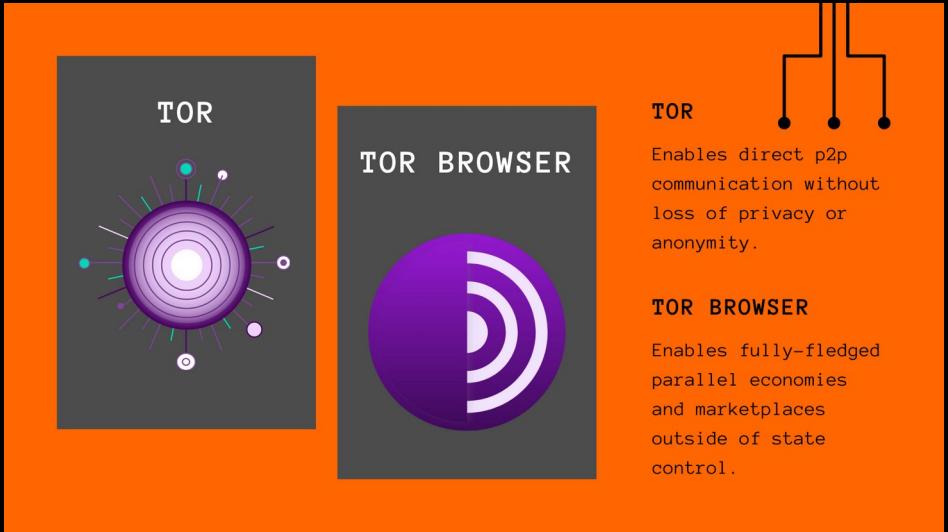
- Successful Path:
 - SWAPS_DEPOSIT (P2WPKH address) -> LOCK transaction (P2WSH) -> REDEEM transaction to SWAPS_ASB (P2WPKH) -> Bob redeems XMR
- Unsuccessful, Refund Path:
 - SWAPS_DEPOSIT -> LOCK -> (... 72 confirmations later ...) -> CANCEL transaction (to another P2WSH UTXO) -> REFUND transaction (to SWAPS_REFUNDS, P2WPKH) -> Alice refunds her XMR
- Unsuccessful, Punish Path:
 - SWAPS_DEPOSIT -> LOCK -> (... 72 confirmations ...) -> CANCEL -> (... 72 confirmations ...) -> PUNISH transaction (to SWAPS_ASB, P2WPKH) -> XMR remains locked currently

Swaps Architecture

- Swaps Deposit Account: m/84'/0'/2147483643'
- Swaps Refund Account: m/84'/0'/2147483642'
- ASB Main Account: m/84'/0'/2147483641'

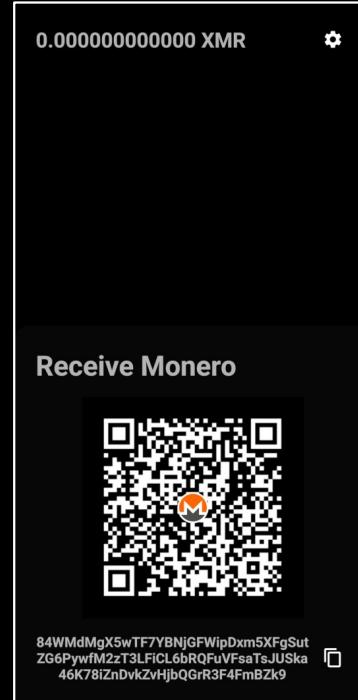
Swaps

- All over TOR
- Takes 30-40 mins to complete
- Need to keep GUI online throughout
(Similar to Sparrow Whirlpool)



Getting Started

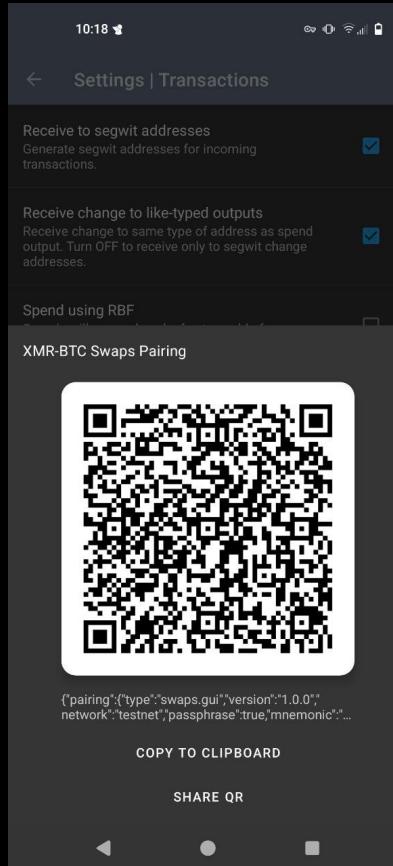
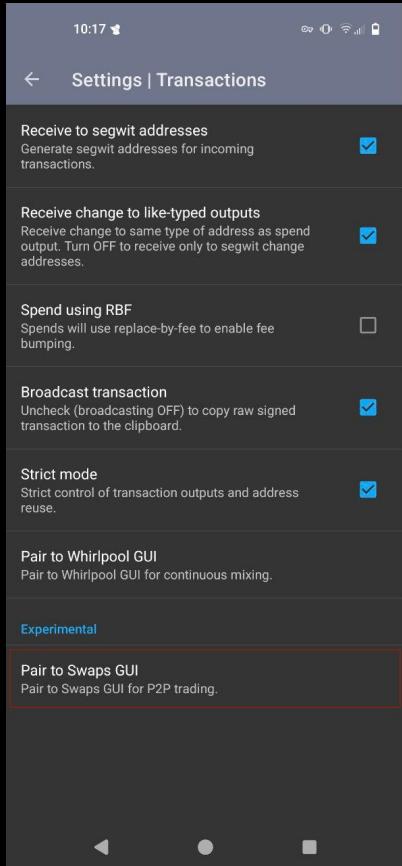
- Samourai Swaps GUI
- Samourai Wallet
- Monero Wallet:
 - Mysu
 - ANONERO
 - Monerujo
 - Stack Wallet/Duo
 - Feather Wallet
 - Samourai Swaps GUI ASB



Getting Started - Testnet/Stagenet

- Create Testnet Samourai Wallet:
 - Safe Erase & Create New
 - Create New Work Profile & Create New
- Stagenet Monero Wallet:
 - Built into Samourai Swaps GUI ASB
 - Feather
 - ANONERO
 - Monerujo

Pair



Samourai Swaps

Swaps Liquidity History Withdraw Settings

SWAPS_DEPOSIT Balance: 0 BTC SWAPS_REFUNDS Balance: 0.00363634 BTC

Monero Address: 87BqQYkugEzh6Tuyotm2uc3DzJzKM6MuZaC161e6u1TsQxxPmXVPHpdNRyK47JY4d1hhbe25YVz4e9nTXCLt

Monero Seller: Choose seller from list, or paste their libp2p address here

Buy Monero Clear

Sellers

Seller	Min. BTC	Max. BTC	XMR Price	%Δ
/onion3/kviwvc5pvt7qfdlq7necivaubzaxh...	0.002	0.28470421	0.00397818	≈ 3%
/onion3/razr2tt7d2y4bv23o7fijpz4v7tzni...	0.0005	0.05	0.00397818	≈ 3%
/onion3/i2plfg2wwln5lt6lmrbfd5jiluo32...	0.001	0.25485104	0.004055...	≈ 5%

Total Max.: 0.58955525 BTC Spot: 0.00386232 BTC



Logs

```
2024-02-05 18:45:39 :: Initializing client...
2024-02-05 18:45:40 :: Swap client has started
2024-02-05 18:45:40 :: [WHIRLPOOL] Starting Whirlpool...
2024-02-05 18:46:47 :: [WHIRLPOOL] Initialized.
```

Buy Monero

- Enter XMR Address
- Select Seller

The screenshot shows a dark-themed user interface for a Monero exchange. At the top, there are tabs for 'Swaps', 'Liquidity' (selected), 'History', 'Withdraw', and 'Settings'. Below the tabs, there are two balance boxes: 'SWAPS_DEPOSIT Balance' (0 BTC) and 'SWAPS_REFUNDS Balance' (0.00363634 BTC). A 'Monero Address' input field contains a long string of characters, and a 'Monero Seller' input field contains another long string. Below these fields are two buttons: 'Buy Monero' and 'Clear'. To the right of these buttons, it says '1 XMR ≈ 0.00397818 BTC' and '1 BTC ≈ 251.371230 XMR'. A large search bar placeholder 'Search' is centered below the address fields. On the right side, there is a table titled 'Sellers' with columns for 'Seller', 'Min. BTC', 'Max. BTC', 'XMR Price', and '%Δ'. Three sellers are listed:

Seller	Min. BTC	Max. BTC	XMR Price	%Δ
/onion3/kvlwvc5pvt7qfdq7necivaubzaxh...	0.002	0.28470421	0.00397818	≈ 3%
/onion3/razr2tt7d2y4bv23o7fijpz4v7tznidvutjq332x4t75p4peqc4kyd:9939/p2p/12D3KooWJA/v6tbLrzK4nhKUL...	0.0005	0.05	0.00397818	≈ 3%
/onion3/l2plfg2wwlkn5lt6lmrbfd5jluo32...	0.001	0.25485104	0.00405...	≈ 5%

At the bottom left, there is a 'Logs' section with the following text:

```
2024-02-05 18:45:39 :: Initializing client...
2024-02-05 18:45:40 :: Swap client has started
2024-02-05 18:45:40 :: [WHIRLPOOL] Starting Whirlpool...
2024-02-05 18:46:47 :: [WHIRLPOOL] initialized.
```

On the right side, there is a button with a circular arrow icon and the text 'Total Max.: 0.58955525 BTC' and 'Spot: 0.00386232 BTC'.

Deposit BTC

Swaps Liquidity History Withdraw Settings

SWAPS_DEPOSIT Balance 0 BTC **SWAPS_REFUNDS Balance:** 0.00363634 BTC

Monero Address
56FByYccb7yPymUZDPFjDse2hNBY2DGJCPagNHduUvKoa7v6pcLgJSWpkD94IdKCfBp4fYRVPoqU8vTxH1

Monero Seller
/onion3/razr2tt7d2y4bv23o7fjpz4v7znidvutjq332x4t75p4peqcp4kfyd.9939/p2p/12D3KooWJAtv6tbLrzK4nhKiUL

Buy Monero Clear 1 XMR = 0.00397818 BTC 1 BTC ≈ 251.371230 XMR

Send between 0.0005125 BTC - 0.05 BTC



tb1qet3gfw6rzy0vwxau72d0fdxcnlnutfk0upr8fe3

Disconnect

Sellers

Seller	Min. BTC	Max. BTC	XMR Price	%Δ
/onion3/kviwvc5pvt7qfdlq7neclvaubzaxh...	0.002	0.28470421	0.00397818	≈ 3%
/onion3/razr2tt7d2y4bv23o7fjpz4v7tni...	0.0005	0.05	0.00397818	≈ 3%
/onion3/2plfg2wwln5lt6lmrbfd5jluo32...	0.001	0.25485104	0.004055...	≈ 5%

Total Max.: 0.58955525 BTC Spot: 0.00386232 BTC

Logs

```
2024-02-05 18:48:39 :: Preparing to exchange Bitcoin for monero... Please wait...
2024-02-05 18:48:40 :: [SWAP CLIENT] Setting up Bitcoin wallet...
2024-02-05 18:49:26 :: [SWAP CLIENT] Initialized Bitcoin wallet
2024-02-05 18:49:26 :: [SWAP CLIENT] Setting up Monero wallet...
2024-02-05 18:52:54 :: [SWAP CLIENT] Initialized Monero wallet
2024-02-05 18:52:54 :: Requesting quote
2024-02-05 18:52:59 :: Received quote: 0.00397818 BTC, 0.0005 BTC, 0.05 BTC
2024-02-05 18:52:59 :: Amount to be locked with seller: 0 BTC
2024-02-05 18:53:02 :: Please send between 0.0005125 BTC - 0.05 BTC to: tb1qet3gfw6rzy0vwxau72d0fdxcnlnutfk0upr8fe3 (you control this address)
2024-02-05 18:53:02 :: If you do not meet the minimum deposit amount then the swap will not start.
```

BTC Lock

Swaps Liquidity History Withdraw Settings

SWAPS_DEPOSIT Balance 0 BTC **SWAPS_REFUNDS Balance:** 0.00363634 BTC

Monero Address
56FByYycb7yPymUZDPFjDse2vHnNBY2DGJCpagNHduUvKoa76pcLgJSWpkD94IdKCfBp4fYRVPoqUvTxH1

Monero Seller
/onion3/razr2tt7d2y4bv23o7fijpz4v7znidvutjq332x4t75p4peqcp4kfyd:9939/p2p/12D3KooWJAtv6tbLrzK4nhKtUL

Buy Monero Clear 1 XMR = 0.00397818 BTC 1 BTC ≈ 251.371230 XMR

BTC Locked

Disconnect

Total Max.: 0.58955525 BTC Spot: 0.00386232 BTC

Logs

```
2024-02-05 18:55:06 :: New attempt to lock in with seller. 0.000500 BTC
2024-02-05 18:55:06 :: Swap client started for swap c4696699-41c2-44e3-b78d-7bec049397bf with peer:
2024-02-05 18:55:06 :: /onion3/razr2tt7d2y4bv23o7fijpz4v7znidvutjq332x4t75p4peqcp4kfyd:9939/p2p/12D3KooWJAtv6tbLrzK4nhKtULW3QuSiEmxtnTUgAe3ww5SbTJw4
2024-02-05 18:55:19 :: Registered swap with peer
2024-02-05 18:55:19 :: Signed Bitcoin lock transaction: 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6
2024-02-05 18:55:20 :: Broadcast Bitcoin lock transaction: 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6
2024-02-05 18:55:22 :: Locked Bitcoin with Alice in transaction 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6. Once confirmed, Alice will lock her Monero and respond with the lock proof.
2024-02-05 18:55:22 :: If the transaction does not confirm within 2 hours, Alice will stop listening for confirmations. If this happens, or Alice fails to lock the Monero, then you will need to leave the swap client running in order to be refunded when the Bitcoin lock transaction reaches 12 confirmations.
```

XMR Lock

Swaps Liquidity History Withdraw Settings 🔍 ⚙️

SWAPS_DEPOSIT Balance 0 BTC **SWAPS_REFUNDS Balance:** 0.00363634 BTC

Monero Address
56FBYyb7yPymUZDPFjDse2vHnNBY2DGJCPagNHduUvKoa7v6pcLgJSWpkD94idKClBp4fYRVPoqU8vTxH'

Monero Seller
/onion3/razr2tt7d2y4bv23o7fijpz4v7tnidvutq332x4t75p4peqqcp4kfyd:9939/p2p/12D3KooWJAtv6tbLrzK4nhKiUL

Buy Monero Clear 1 XMR ≈ 0.00397818 BTC 1 BTC ≈ 251.371230 XMR

XMR Locked

6d1faf3a8844c2c558661b55aed16dc90ba4436c3185c8f4d8a33513d04a6413

Disconnect

Total Max.: 5.23287701 BTC Spot: 0.00386339 BTC

Logs

2024-02-05 18:55:19 :: Signed Bitcoin lock transaction: 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6
2024-02-05 18:55:20 :: Broadcast Bitcoin lock transaction: 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6
2024-02-05 18:55:22 :: Locked Bitcoin with Alice in transaction 1de1eb523b2f2157be2d684942e33c7830c498e5bf14f0bf3c6368a39ad7ccc6. Once confirmed, Alice will lock her Monero and respond with the lock proof.
2024-02-05 18:55:22 :: If the transaction does not confirm within 2 hours, Alice will stop listening for confirmations. If this happens, or Alice fails to lock the Monero, then you will need to leave the swap client running in order to be refunded when the Bitcoin lock transaction reaches 12 confirmations.
2024-02-05 19:03:50 :: Bitcoin lock transaction has confirmed. Waiting for Alice to lock Monero...
2024-02-05 19:03:50 :: If Alice does not respond with the lock proof, please leave the swap running in order to be refunded in 11 confirmations
2024-02-05 19:04:03 :: Alice has locked the Monero in transaction 6d1faf3a8844c2c558661b55aed16dc90ba4436c3185c8f4d8a33513d04a6413. Waiting for 10 confirmations...

BTC Redeem

Swaps Liquidity History Withdraw Settings

SWAPS_DEPOSIT Balance: 0 BTC SWAPS_REFUNDS Balance: 0.00363634 BTC

Monero Address: 56FByYycb7yPymUZDPFjDse2vHnNBY2DGJCPagNHduUvKoa7v6pcLgJSWpkD94idKCfbp4fYRVPoqU8vTxH1

Monero Seller: /onion3/razr2tt7d2y4bv23o7fijpz4v7znidvutjq332x4t75p4peqcp4kfyd:9939/p2p/12D3KooWJAtv6tbLrzK4nhKtUL

Buy Monero Clear

BTC Redeemed

Disconnect

Total Max.: 0.59221425 BTC Spot: 0.00386902 BTC

Logs

```
2024-02-05 20:11:43 :: Monero lock transaction confirmations: 3/10
2024-02-05 20:13:54 :: Monero lock transaction confirmations: 4/10
2024-02-05 20:19:18 :: Monero lock transaction confirmations: 5/10
2024-02-05 20:21:43 :: Monero lock transaction confirmations: 6/10
2024-02-05 20:22:21 :: Monero lock transaction confirmations: 8/10
2024-02-05 20:25:19 :: Monero lock transaction confirmations: 9/10
2024-02-05 20:26:06 :: Monero lock transaction confirmations: 10/10
2024-02-05 20:27:19 :: Alice has redeemed the Bitcoin! Redeeming Monero...
2024-02-05 20:27:21 :: Monero wallet setup, syncing... This could take a few minutes...
```

XMR Redeem – Swap Success

The screenshot shows the XMR Redeem interface after a swap has been completed successfully. The main header "XMR Redeem – Swap Success" is displayed in large red font. Below it is a navigation bar with tabs: "Swaps" (selected), "Liquidity", "History", "Withdraw", "Settings", and two small circular icons.

Key balance information is shown at the top:

- SWAPS_DEPOSIT Balance: 0 BTC
- SWAPS_REFUNDS Balance: 0.00363634 BTC

The "Sellers" section lists three sellers with their Monero addresses, minimum BTC amount, maximum BTC amount, XMR price, and percentage change:

Seller	Min. BTC	Max. BTC	XMR Price	%Δ
/onion3/kviwvc5pv7qfdq7necivaubzaxh...	0.002	0.286544...	0.0040039	≈ 3%
/onion3/razr2tt7d2y4bv23o7fijpz4v7tjni...	0.0005	0.05	0.0040039	≈ 3%
/onion3/i2plfg2wwln5lt6lmrbfd5lluo32...	0.001	0.256498...	0.00408165	≈ 5%

Below the sellers, there are two buttons: "Buy Monero" and "Clear". A prominent "Swap Success" button with a green checkmark is centered below the sellers' table. A success message box displays the transaction ID: 7f171388-b0be-4ba5-85b9-27547f1321ce.

At the bottom right, the total maximum BTC value is listed as 0.59304365 BTC and the current spot price as 0.00386902 BTC. A "Logs" section at the bottom left shows a history of Monero lock transaction confirmations and the final log entry indicating the successful transfer of Monero to the wallet.

Logs:

- 2024-02-05 20:19:18 :: Monero lock transaction confirmations: 5/10
- 2024-02-05 20:21:43 :: Monero lock transaction confirmations: 6/10
- 2024-02-05 20:22:21 :: Monero lock transaction confirmations: 8/10
- 2024-02-05 20:25:19 :: Monero lock transaction confirmations: 9/10
- 2024-02-05 20:26:06 :: Monero lock transaction confirmations: 10/10
- 2024-02-05 20:27:19 :: Alice has redeemed the Bitcoin! Redeeming Monero...
- 2024-02-05 20:27:21 :: Monero wallet setup, syncing... This could take a few minutes...
- 2024-02-05 20:30:06 :: Sweeping address...
- 2024-02-05 20:30:20 :: Successfully transferred Monero to wallet for swap: 7f171388-b0be-4ba5-85b9-27547f1321ce

Cancel/Refund TX

Swaps Liquidity History Withdraw Settings

SWAPS_DEPOSIT Balance: 0 BTC **SWAPS_REFUNDS Balance:** 0.00363634 BTC

Monero Address:
87BqQYkugEzh6Tuyotm2uc3DzJzKM6MuZaC161e6u1TsQxxPmXVPHpdNRyK47JY4d1hhbe25YVz4e9vTXCLI

Monero Seller:
Choose seller from list, or paste their libp2p address here

Buy Monero Clear

Swap Refunded

X

cd4d4dde-3bd1-4fbf-94fa-636034fd4746

Total Max.: 5.00317895 BTC Spot: 0.00390569 BTC

Logs

```
2024-02-05 20:36:24 :: Resuming swap: cd4d4dde-3bd1-4fbf-94fa-636034fd4746
2024-02-05 20:36:24 :: Please wait...
2024-02-05 20:36:24 :: [SWAP CLIENT] Setting up Bitcoin wallet...
2024-02-05 20:37:08 :: [SWAP CLIENT] Initialized Bitcoin wallet
2024-02-05 20:37:08 :: [SWAP CLIENT] Setting up Monero wallet...
2024-02-05 20:37:15 :: [SWAP CLIENT] Initialized Monero monitoring wallet
2024-02-05 20:37:15 :: Swap client started for swap cd4d4dde-3bd1-4fbf-94fa-636034fd4746 with peer:
2024-02-05 20:37:15 :: /onion3/kviwvc5pv7qfdlq7neicavaubzaxhgsdotnopx6yr5cqgbqyk5u0qqd:9939/p2p/1D23KooWPHmkEdRb63Nhe6hdVo7GhfnnbUPumsLkWqpPzdbbRqU
2024-02-05 20:37:15 :: Swap cd4d4dde-3bd1-4fbf-94fa-636034fd4746 failed! You have been refunded (minus Bitcoin transaction fees).
```

Sell XMR

- Automated Swap Backend (ASB) – Market Maker
- Check ‘Start ASB’
- Set Min/Max BTC
- Set XMR Premium Rate
- Auto Whirlpool earned BTC



Sell XMR

Swaps Liquidity History Withdraw Settings

Automated Swap Backend - Market Maker

0.00037263 BTC 24.692305441175 XMR

/onion3/vfv5w2xucnnchlv52ljtsqczia63tcwx3wpvfwibuy6vgb3r2ejhuyd:9939

56FByYycb7yPymUZDPFjDse2vHnNBY2DGJCPagNHduUvKoa7v6pcLgJSWpkD94idKCfBp4fYRVPoqU8vTxH1lLhjFRAx2dJ

Min BTC	Max BTC	XMR Price (Rate)
0.0005	0.042069	0.00400333 (2.5%)

Total XMR Balance	Unlocked XMR Balance	Locked XMR Balance
24.692305441174998	24.54214936538	0.150156075795

Deposit BTC Blance	Premix BTC Balance	Postmix BTC Balance
0.01487005	0	0.06999578

Peer ID
12D3KooWA3XG6k5Y1fYmRQGPTpXEmnbbK9nbEbNpg2WGduh351yQ



Logs

```
2024-02-05 20:39:46 :::[ASB]::: Syncing Monero wallet...
2024-02-05 20:39:46 :::[ASB]::: Synced Monero wallet in 8 seconds
2024-02-05 20:39:52 :::[ASB]::: Opened Bitcoin wallet
2024-02-05 20:39:52 :::[ASB]::: Syncing Bitcoin wallet...
2024-02-05 20:39:52 :::[WHIRLPOOL] Initialized.
2024-02-05 20:40:08 :::[ASB]::: Synced Bitcoin wallet in 16 seconds
2024-02-05 20:40:08 :::[ASB]::: Setting up libp2p swam...
2024-02-05 20:40:08 :::[ASB]::: Registering external address with rendezvous: /onion3/vfv5w2xucnnchlv52ljtsqczia63tcwx3wpvfwibuy6vgb3r2ejhuyd:9939
2024-02-05 20:40:08 :::[ASB]::: Initialized with libp2p peer ID: 12D3KooWA3XG6k5Y1fYmRQGPTpXEmnbbK9nbEbNpg2WGduh351yQ
```

Questions?

