

How to use the Alloy Command Line Wallet

This is a quick for how to use the wallet for new users. The first step is to visit <https://alloy.cash/index.html#downloads> and choose the correct download for your operating system.

Once you've downloaded the compressed file, you'll need to uncompress it into a folder. This folder will have a few different programs related to Alloy, which can be confusing for beginners. The truth is, most people only use two programs:

- Alloyd.exe
- Simplewallet.exe

Start by running the alloyd.exe program which will look like this

```
C:\alloy\alloyd.exe
own top block: 3200 -> 4438 [1238 blocks (2 days) behind]
11:28:15.492890 INFO SYNCHRONIZATION started
11:29:01.866421 INFO [68.69.39.112:1810 OUT] SYNCHRONIZED OK
11:29:01.866421 INFO
11:29:01.866421 INFO *****
*****
11:29:01.866421 INFO You are now synchronized with the network. You
may now start simplewallet.
11:29:01.866421 INFO
11:29:01.866421 INFO Please note, that the blockchain will be saved
only after you quit the daemon with "exit" command or if you use "sa
ve" command.
11:29:01.866421 INFO Otherwise, you will possibly need to synchroniz
e the blockchain again.
11:29:01.866421 INFO
11:29:01.866421 INFO Use "help" command to see the list of available
commands.
11:29:01.866421 INFO *****
*****
11:30:29.623207 WARNING [125.121.117.144:1810 OUT] Exception in conn
ectionHandler: TcpConnection::read, WSAGetOverlappedResult failed, r
esult=10054, An existing connection was forcibly closed by the remot
e host.
```

This program will connect your computer to the Alloy network and download the blockchain, the encrypted record of all transactions that have ever happened in Alloy. Downloading this blockchain can take 10-30 minutes, especially if your computer or internet connection is slow. Additionally it will require some hard drive space, so make sure you have that to spare.

Eventually the green words SYNCHRONIZED OK will appear on the screen. This means your computer is synced and you are ready to use your wallet.

Keep alloyd running and then **separately** run the **simplewallet.exe** program to create a wallet using the G command.

The program will ask you to give a wallet name and password. It will then display your new address.

```
C:\alloy\simplewallet.exe
alloy wallet v1.0.4-alpha.5(0.1-g8edd99830)
Nor 'generate-new-wallet' neither 'wallet-file' argument was specified.
What do you want to do?
[O]pen existing wallet, [G]enerate new wallet file or [E]xit.
G
Specify wallet file name (e.g., wallet.bin).
Wallet file name: mywallet
password: *****
```

```
C:\alloy\simplewallet.exe
password: *****
Generated new wallet: 1TRCLcos8FhgWJ1tn6UXW99cThECjfmjU19mmm6YkshtXHCxJEVQbpn55
JMogt5mKa1ACF5Rj6qQhXAaaxtDHPx7BLc8Dqw
view key: c7adaad8dc66a3251cc031fc7eddd484c03af121ed10fc7ab2464984ac88aa00
*****
Your wallet has been generated.
Use "help" command to see the list of available commands.
Always use "exit" command when closing simplewallet to save
current session's state. Otherwise, you will possibly need to synchronize
your wallet again. Your wallet key is NOT under risk anyway.
*****
Height 4439 of 4439
[wallet 1TRCLc]:
```

That's essentially it. You now have a wallet and an address.

Here's how we can use it:

Basic usage commands

Get Help

```
C:\alloy\simplewallet.exe
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]: help
Commands:
  address          Show current wallet public address
  balance          Show current wallet balance
  bc_height        Show blockchain height
  exit             Close wallet
  help             Show this help
  incoming_transfers Show incoming transfers
  list_transfers   Show all known transfers
  payments         payments <payment_id 1> [<payment_id 2> ... <payment_id N>] - Show payments <payment_id 1>, ... <payment_id N>
  reset            Discard cache data and start synchronizing from the start
```

Get your address

```
C:\alloy\simplewallet.exe
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]: address
1TRCLcos8FhgWJ1tn6UXW99cTheCjfmjU19mmm6YkshtXHCxJEVQbpn55JMogt5mKalACF5Rj6qQhXA
aaxtDHPx7BLc8Dgw
[wallet 1TRCLc]:
```

Get your balance

```
C:\alloy\simplewallet.exe
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]: balance
available balance: 4.000000000000, locked amount: 0.000000000000
[wallet 1TRCLc]: _
```

Send 3 coins to someone using a 0.001 fee

```
C:\alloy\simple>wallet.exe
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]: balance
available balance: 4.000000000000, locked amount: 0.000000000000
[wallet 1TRCLc]: transfer 0 1Vkr69FEHNrK8kSho8PdVAj7MoT9rSQyfA6zL4emWil1JN1CDaX
qdWhVdcK3Xjknw6bUknF7Pc1gsMBtgh275kb4TibDpig 3 -f 0.001
Money successfully sent, transaction d6c879759a23bac22fb241389d974101272c52b9cc
ccda730b76621c2a7f462
[wallet 1TRCLc]:
```

List your transactions

```

C:\alloy\simple>wallet.exe

[wallet 1TRCLc]: list_transfers

timestamp (UTC)                hash
total amount                    fee      block  unlock time
-----
2018-01-10 19:40:43  9blce3c55de8334c41cb71bcc99388b21378b22c95a42cbd5f8337af3d
4cdfb9                4.0000000000000000  0.0010000000000000    4440      0

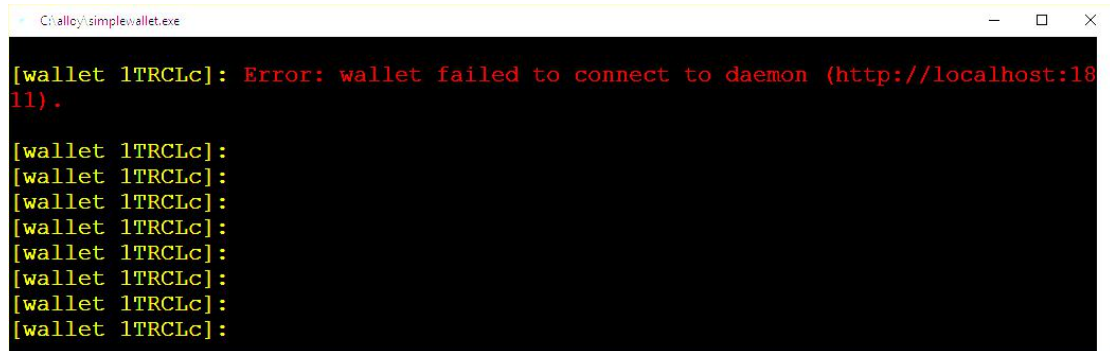
[wallet 1TRCLc]:

```

Exit the wallet

[illegible]

Common Issues



```
C:\alloy\simplewallet.exe

[wallet 1TRCLc]: Error: wallet failed to connect to daemon (http://localhost:1811).

[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
[wallet 1TRCLc]:
```

Solution: Restart Alloyd.exe. Alloyd.exe needs to remain running since simplewallet needs to communicate to it.