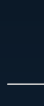# cc.setup.helper.debian

(Crypto Currency Setup Automatization Helper Scripts For Debian)
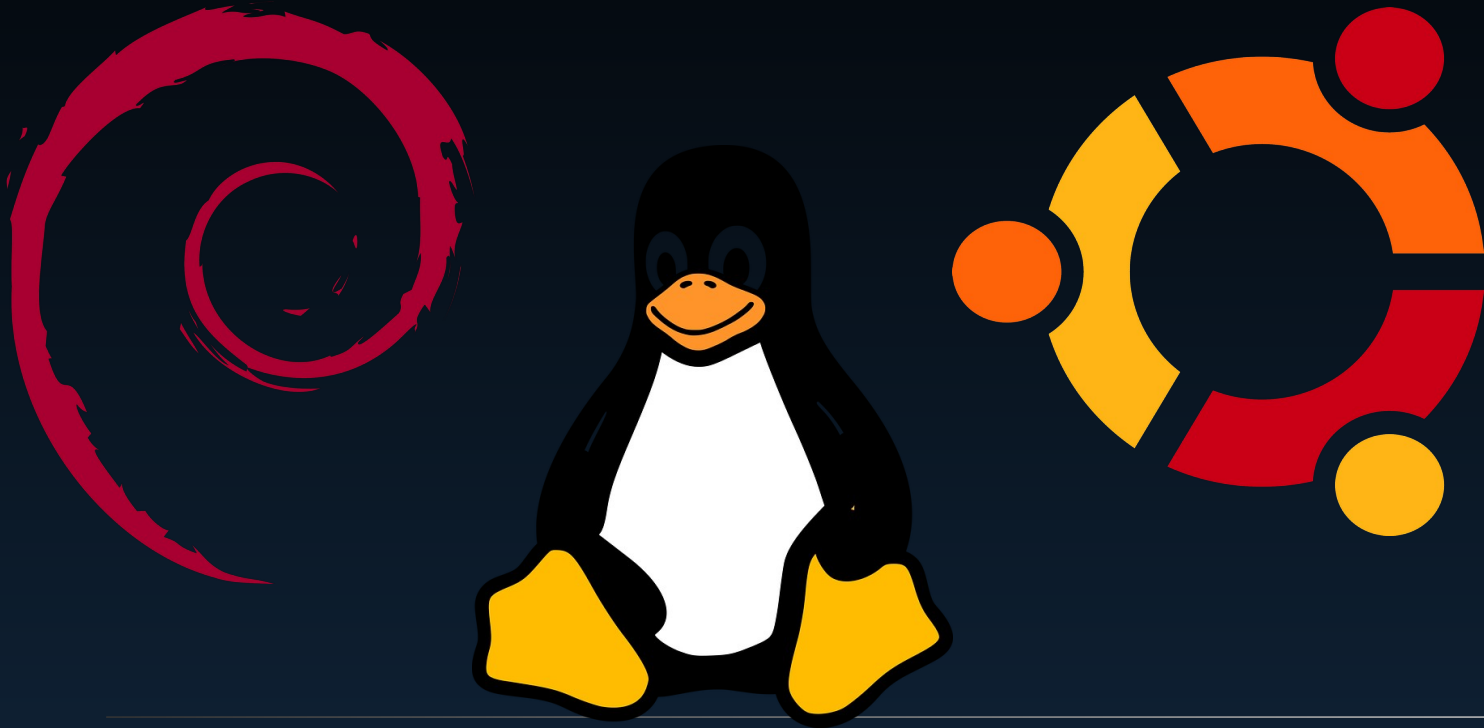
About

- cc.setup.helper is group of scripts used to:
- > Configure Debian based Linux
- > Build crypto currency wallets from git source
- > Download and configure DxBot with cc wallets
- > Generate DxBot trading strategies for BlockDx
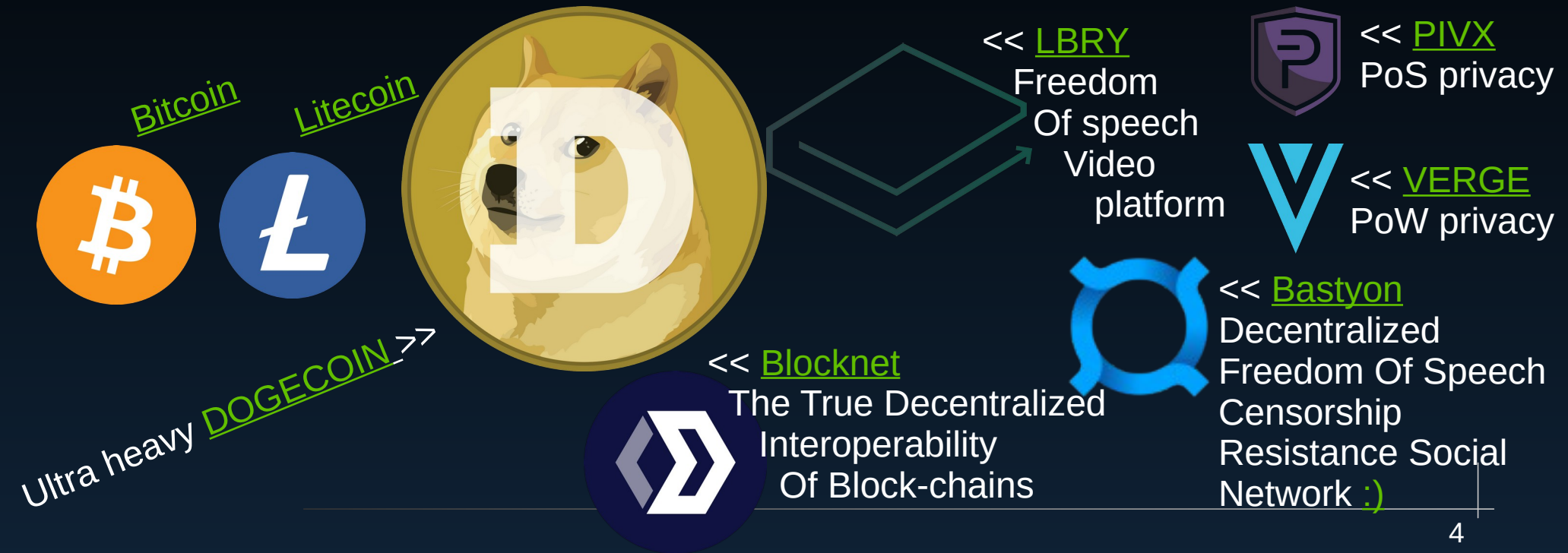- > Everything secured by firejail sandbox
- > Network privacy protected by TOR
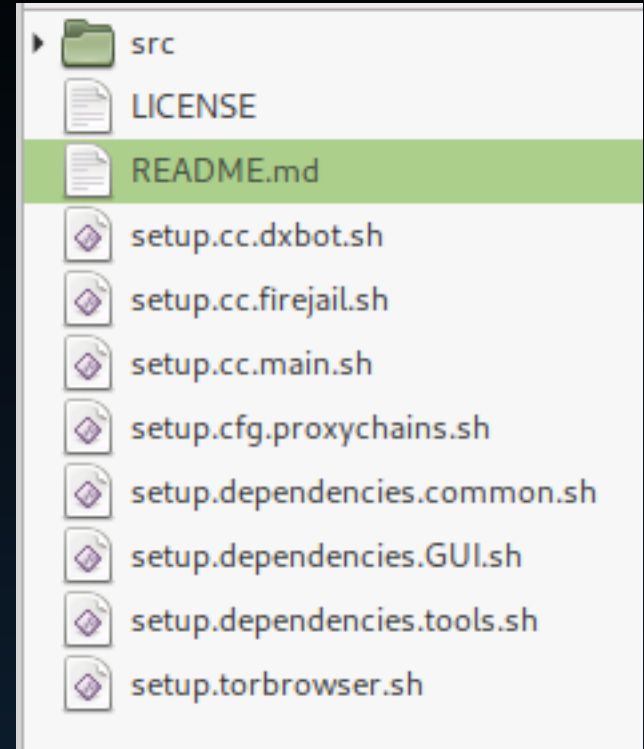
About

- configure Debian based Linux or subsystems for crypto currency operations

About

- Crypto currency wallets building, updating, testing...

Bitcoin

Litecoin

Ultra heavy DOGECOIN >>

<< LBRY
Freedom
Of speech
Video
platform

<< PIVX
PoS privacy

<< VERGE
PoW privacy

<< Bastyon
Decentralized
Freedom Of Speech
Censorship
Resistance Social
Network :)

<< Blocknet
The True Decentralized
Interoperability
Of Block-chains

4

About

- configure wallets interoperability with Blocknet DEX ([BlockDx](#))
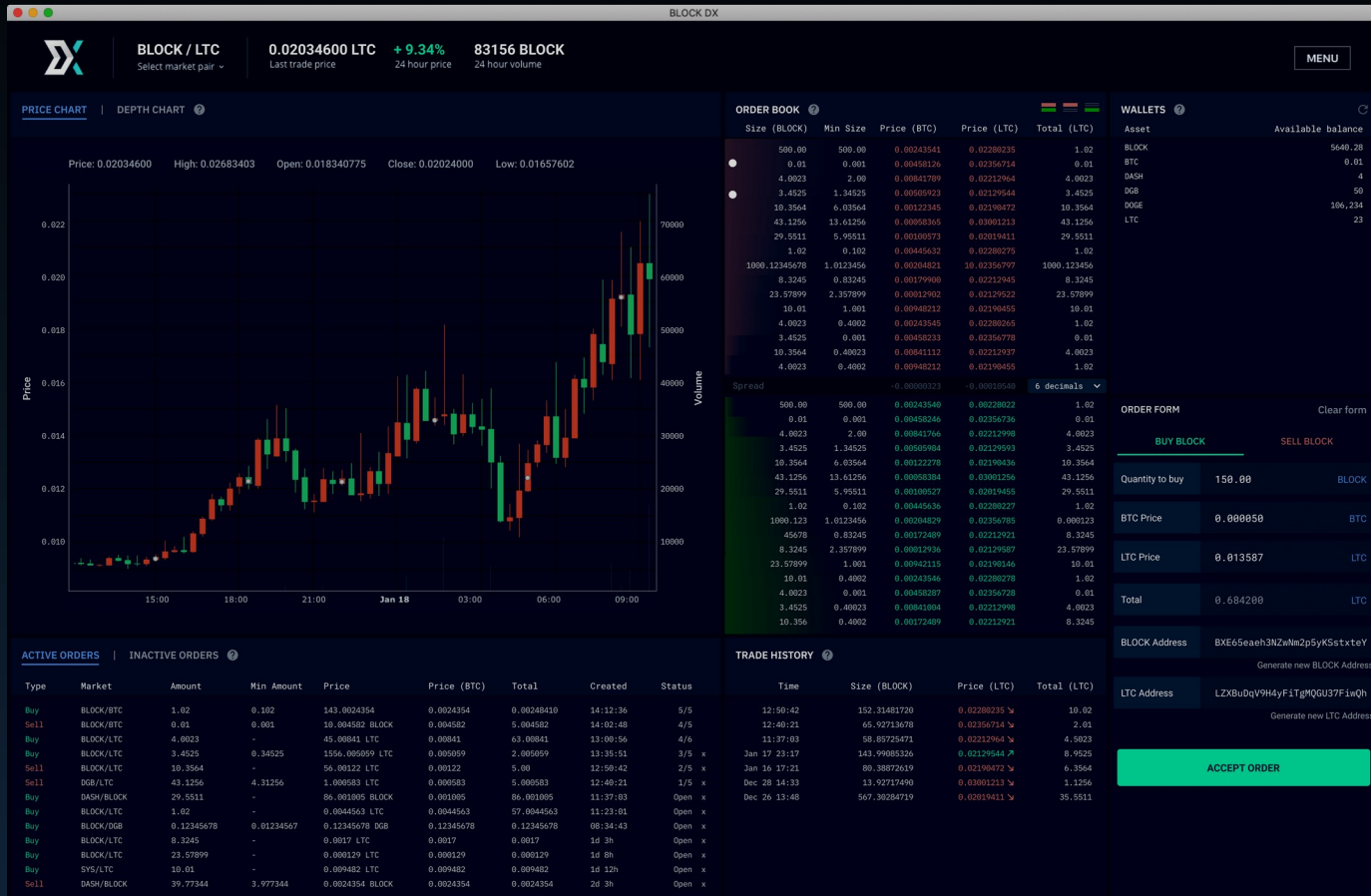
About

- configure *DxBot* with custom Blocknet versions, like default version > testing version > upcoming version...

About
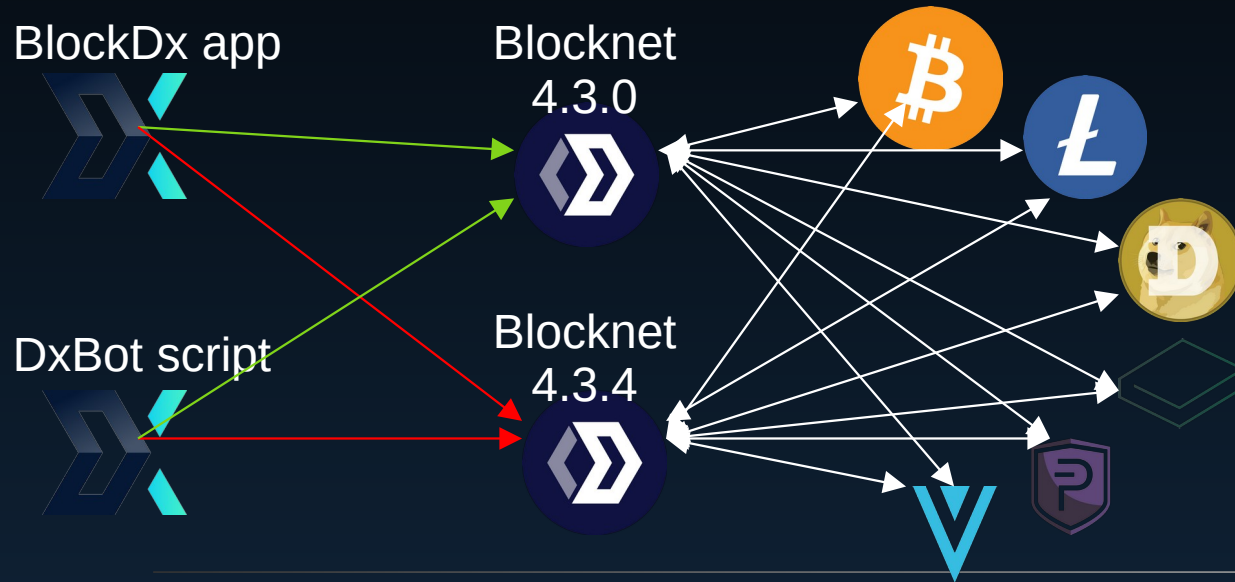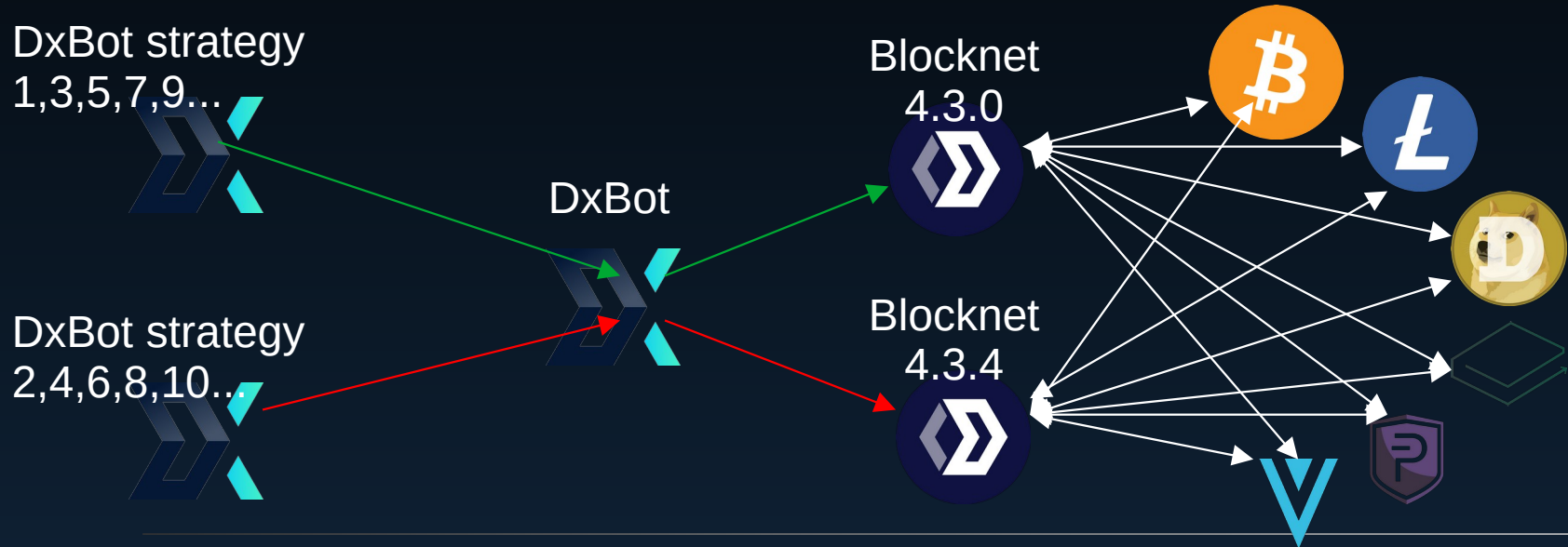
- configure *DxBot* with multiple Blocknet versions running at same time, like default version + testing version

About

- **generate** DxBot trading strategies with funds on specific cc addresses configured with specific blocknet version also possible to run at same time

DxBot strategy1 BLOCK/LTC
DxBot strategy2 BLOCK/LTC
DxBot strategy BTC/LTC
DxBot strategy DOGE/LTC
DxBot strategy LBC/LTC
DxBot strategy PIVX/LTC
DxBot strategy XVG/LTC

DxBot

Blocknet 4.3.0

Blocknet 4.3.4
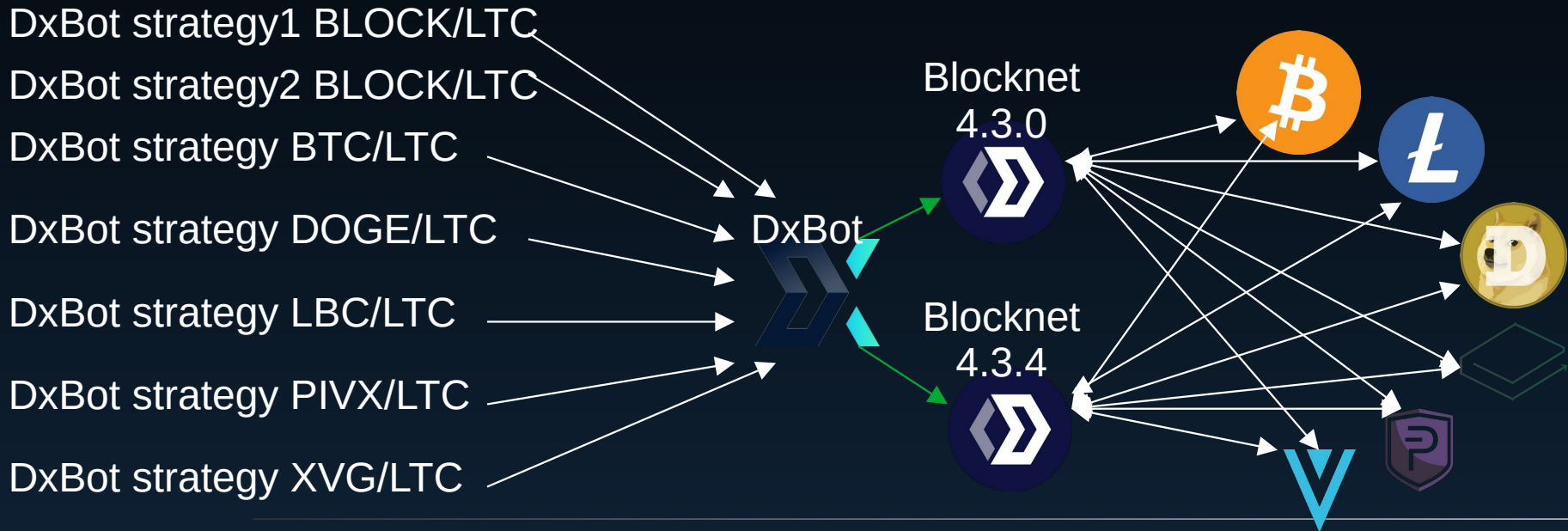
About

- protect operating system and running crypto currency software from each other by firejail sandbox and network privacy by proxychains redirection to tor
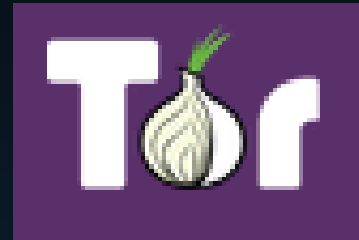
Content

- Open main <u>cc.setup.helper.debian</u> web
- Login or connect to target machine
- Download cc.setup.helper.debian scripts
- Install and configure dependencies
- Choose and build wallets from source
- Generate firejail+tor protected run scripts for chosen wallets
- Generate DxBot liquidity/trading strategies
- Start it all up

Read web

- Open *readme*

- To get some hints how to multitasking with remote console, check *management-with-remote-console* first

- To get some hints how to remote desktop, check *management-with-remote-desktop* first

Login or connect

- Login directly on target machine

- Open terminal and login by SSH

  ssh user@hostname

- Open terminal and login by VNC cross SSH secured socket

  (accessible after installing tool dependencies and reading Management With Remote Console)

  ssh -L 5901:127.0.0.1:5901 -N -f user@hostname && xtigervncviewer -FullscreenSystemKeys=1 -MenuKey=F8 -RemoteResize=1 -FullScreen=0 localhost:5901 ; exit

Login or connect

- Login by VNC could look like this:
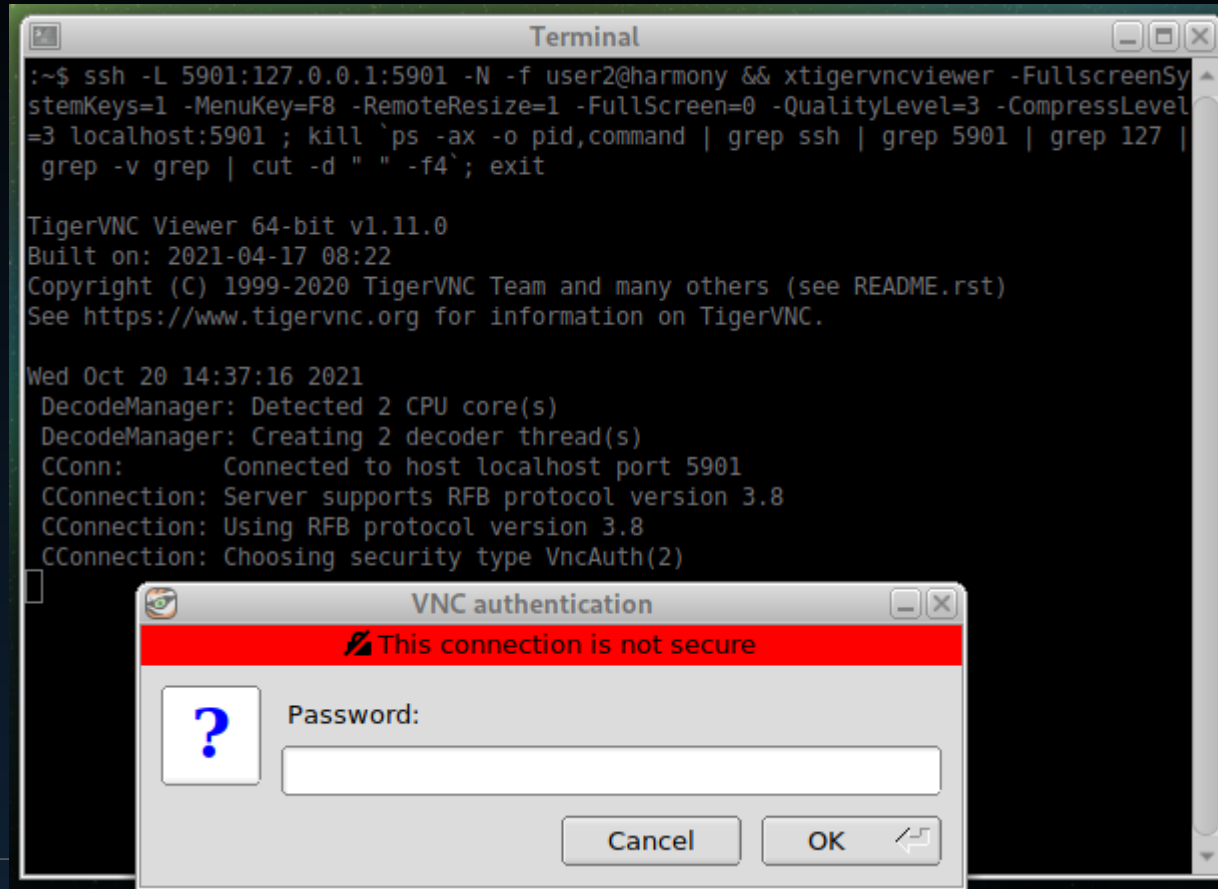
Update system and install git

Before start is good to update system and install git first:

su - -c "apt update; apt full-upgrade; apt install git; exit"

```
:~$ su - -c "apt update; apt full-upgrade; apt install git; exit"
Password:
Hit:1 http://deb.debian.org/debian testing InRelease
Hit:2 http://deb.debian.org/debian experimental InRelease
Hit:3 http://deb.debian.org/debian stable InRelease
Hit:4 http://security.debian.org testing-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
git is already the newest version (1:2.33.0-1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```
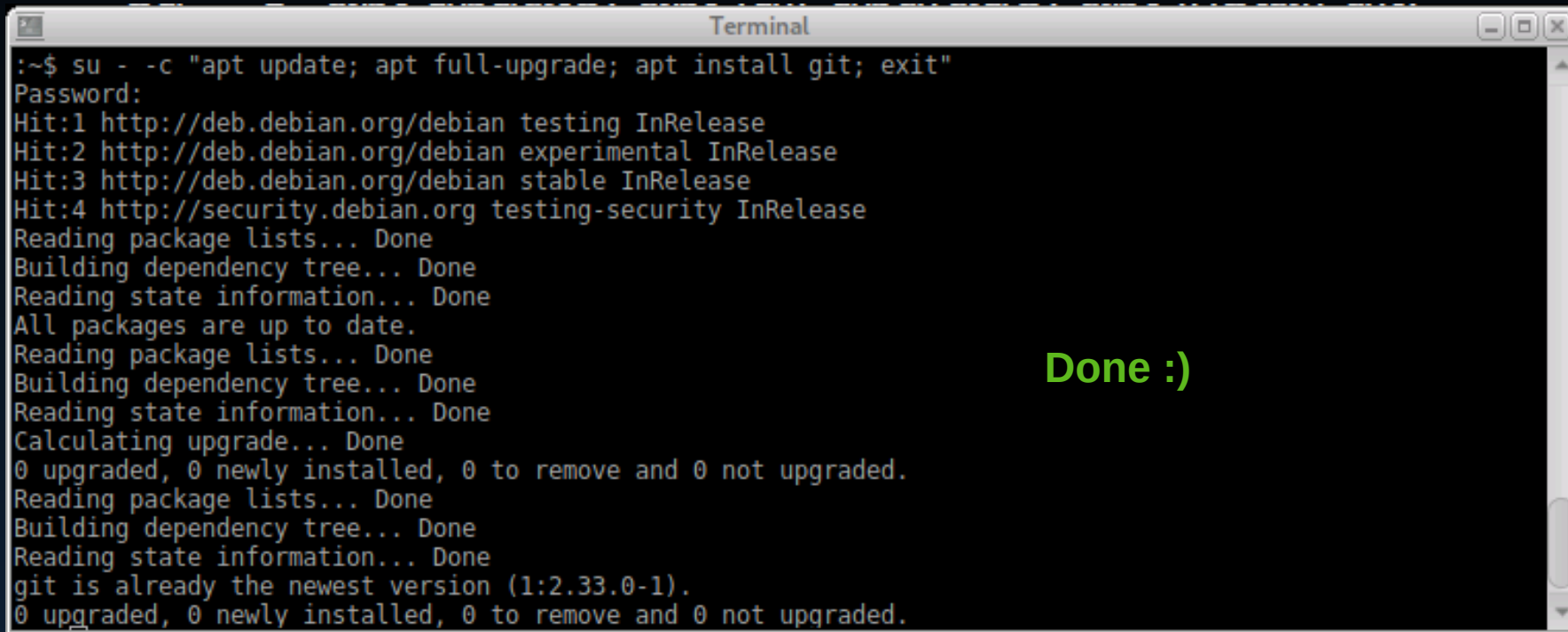
Done :)
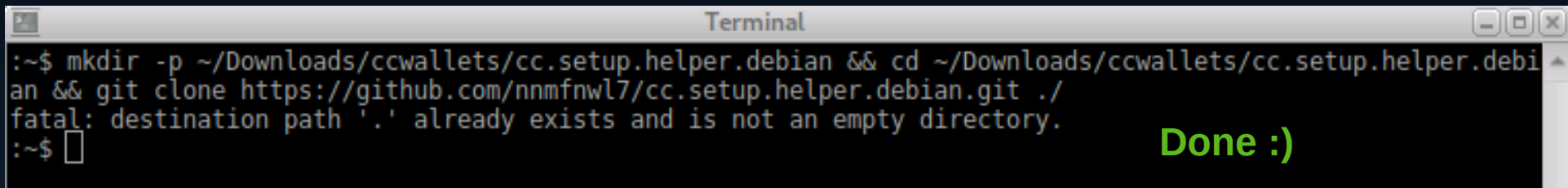
Download cc.scripts

- Download cc.setup.helper scripts

    *mkdir -p ~/Downloads/ccwallets/cc.setup.helper.debian && *

    *cd ~/Downloads/ccwallets/cc.setup.helper.debian && *

git clone https://github.com/nnmfnwl7/cc.setup.helper.debian.git ./

```
Terminal                                      _ □ ×
:~$ mkdir -p ~/Downloads/ccwallets/cc.setup.helper.debian && cd ~/Downloads/ccwallets/cc.setup.helper.debi
an && git clone https://github.com/nnmfnwl7/cc.setup.helper.debian.git ./
fatal: destination path '.' already exists and is not an empty directory.
:~$ 
```

Done :)

Update cc.scripts

- To update existing cc.setup.helper scripts

cd ~/Downloads/ccwallets/cc.setup.helper.debian && git pull

```
Terminal
:~$ cd ~/Downloads/ccwallets/cc.setup.helper.debian && git pull
Already up to date.
:~$ ▯                              Done :)
```
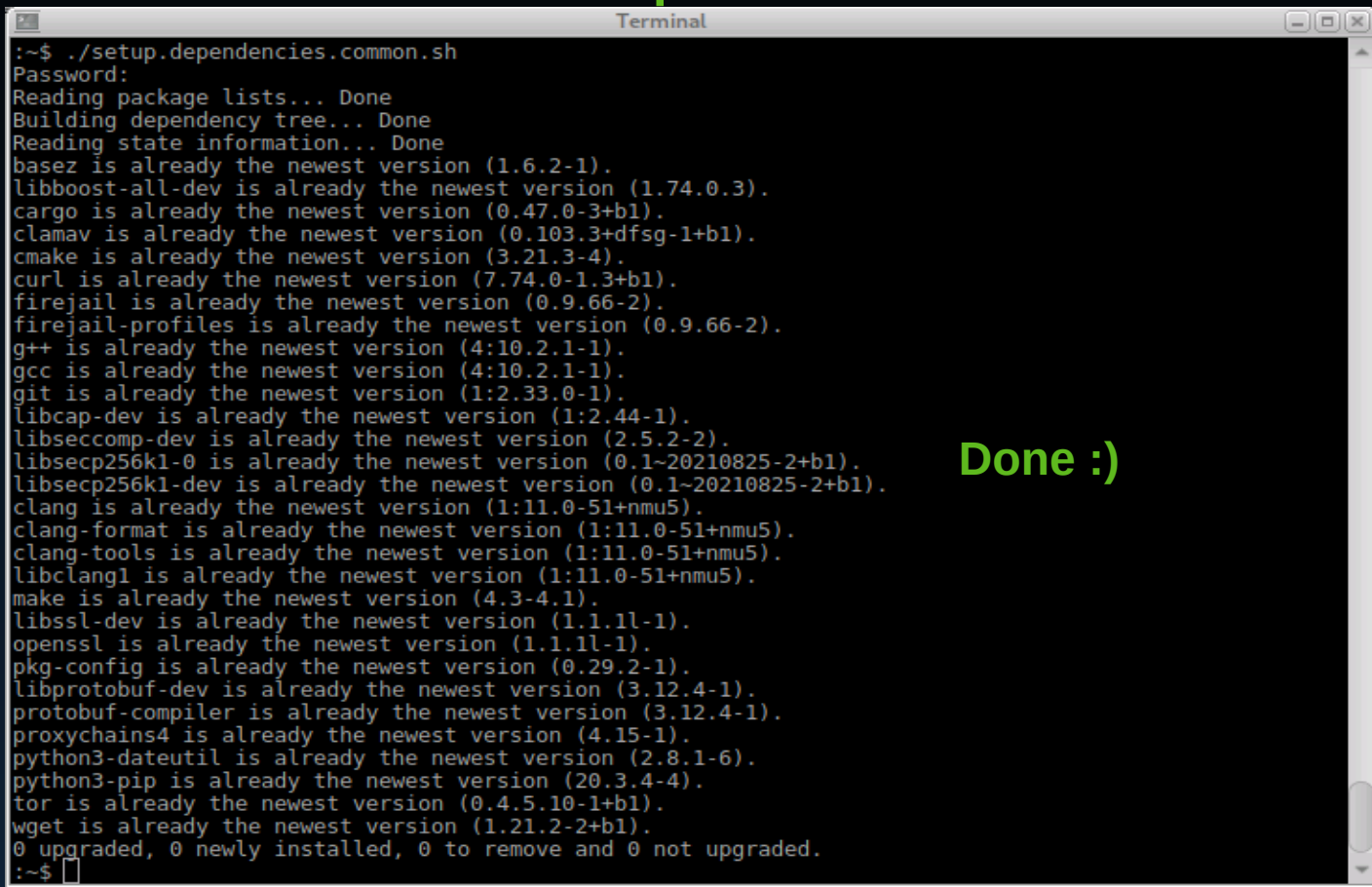
Install and configure dependencies

- common software dependencies are packages like: sandbox tools, privacy tools, building tools, compilers, libraries…

- Command:

  ./setup.dependencies.common.sh

Install and configure dependencies

- common software dependencies…

```
:~$ ./setup.dependencies.common.sh
Password:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
basez is already the newest version (1.6.2-1).
libboost-all-dev is already the newest version (1.74.0.3).
cargo is already the newest version (0.47.0-3+b1).
clamav is already the newest version (0.103.3+dfsg-1+b1).
cmake is already the newest version (3.21.3-4).
curl is already the newest version (7.74.0-1.3+b1).
firejail is already the newest version (0.9.66-2).
firejail-profiles is already the newest version (0.9.66-2).
g++ is already the newest version (4:10.2.1-1).
gcc is already the newest version (4:10.2.1-1).
git is already the newest version (1:2.33.0-1).
libcap-dev is already the newest version (1:2.44-1).
libseccomp-dev is already the newest version (2.5.2-2).
libsecp256k1-0 is already the newest version (0.1~20210825-2+b1).
libsecp256k1-dev is already the newest version (0.1~20210825-2+b1).
clang is already the newest version (1:11.0-51+nmu5).
clang-format is already the newest version (1:11.0-51+nmu5).
clang-tools is already the newest version (1:11.0-51+nmu5).
libclang1 is already the newest version (1:11.0-51+nmu5).
make is already the newest version (4.3-4.1).
libssl-dev is already the newest version (1.1.1l-1).
openssl is already the newest version (1.1.1l-1).
pkg-config is already the newest version (0.29.2-1).
libprotobuf-dev is already the newest version (3.12.4-1).
protobuf-compiler is already the newest version (3.12.4-1).
proxychains4 is already the newest version (4.15-1).
python3-dateutil is already the newest version (2.8.1-6).
python3-pip is already the newest version (20.3.4-4).
tor is already the newest version (0.4.5.10-1+b1).
wget is already the newest version (1.21.2-2+b1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
:~$
```

Done :)

Install and configure dependencies

- common dependencies configuration
- Proxychains configuration install:

  ./setup.cfg.proxychains.sh install

- *Existing proxychains configuration update:*

  ./setup.cfg.proxychains.sh update

Install and configure dependencies

- common dependencies configuration...


```
Terminal
:~$ ./setup.cfg.proxychains.sh install
INFO >> including tools >> tools.sh
INFO >> install enabled
INFO >> user config dir path >> realpath variable >> cc_cfg_proxychains_user_dir_path >> value is >> /home/user2/.proxychains
INFO >> user config dir path >> using directory >> cc_cfg_proxychains_user_dir_path >> /home/user2/.proxychains
INFO >> root config path >> realpath variable >> cc_cfg_proxychains_root_cfg_path >> value is >> /etc/proxychains4.conf
INFO >> user config path SCAM >> realpath variable >> cc_cfg_proxychains_user_cfg_path >> value is >> /home/user2/.proxychains/proxychains.conf
ERROR >> user config >> /home/user2/.proxychains/proxychains.conf >> file already exists
:~$ ./setup.cfg.proxychains.sh update
INFO >> including tools >> tools.sh                        Done :)
INFO >> update enabled
INFO >> user config dir path >> realpath variable >> cc_cfg_proxychains_user_dir_path >> value is >> /home/user2/.proxychains
INFO >> user config dir path >> using directory >> cc_cfg_proxychains_user_dir_path >> /home/user2/.proxychains
INFO >> root config path >> realpath variable >> cc_cfg_proxychains_root_cfg_path >> value is >> /etc/proxychains4.conf
INFO >> user config path SCAM >> realpath variable >> cc_cfg_proxychains_user_cfg_path >> value is >> /home/user2/.proxychains/proxychains.conf
localnet 127.0.0.0/255.0.0.0
socks5  127.0.0.1 9050
INFO >> proxychains config >> /home/user2/.proxychains/proxychains.conf >> processing success
:~$
```
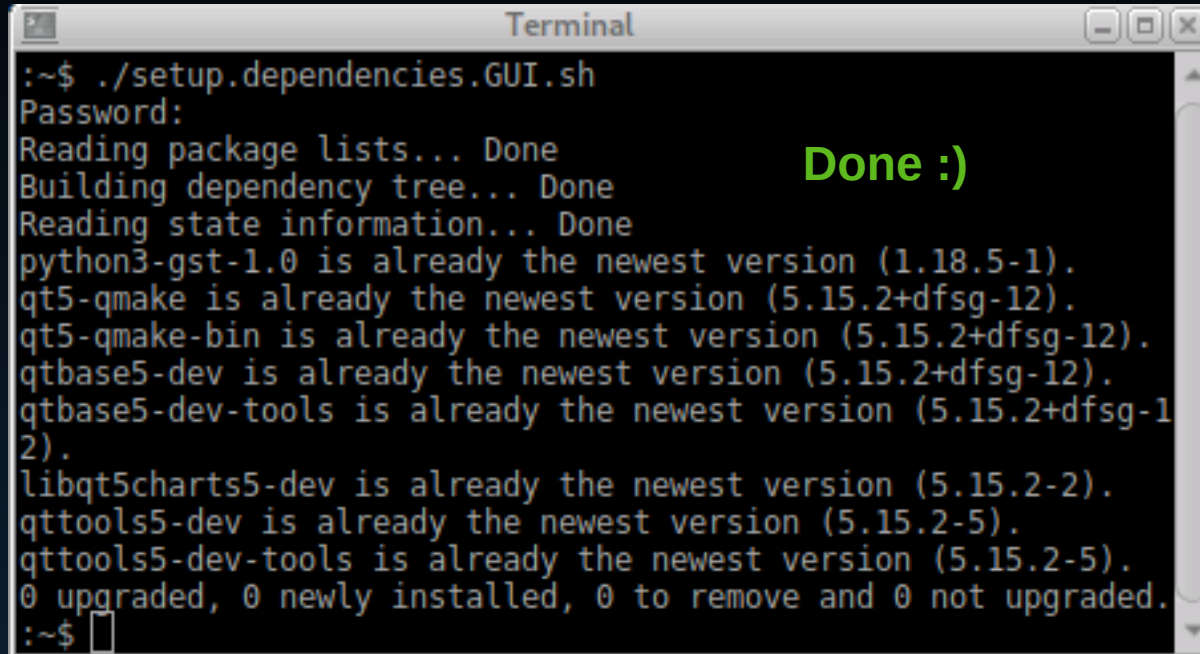
Install and configure dependencies

- Graphical-user-interface software dependencies are packages mainly related to QT5 development libraries and tools

- Command:

  ./setup.dependencies.GUI.sh

Install and configure dependencies

- Graphical-user-interface software dependencies...

```
Terminal                                    _ □ ✕
:~$ ./setup.dependencies.GUI.sh
Password:
Reading package lists... Done
Building dependency tree... Done      Done :)
Reading state information... Done
python3-gst-1.0 is already the newest version (1.18.5-1).
qt5-qmake is already the newest version (5.15.2+dfsg-12).
qt5-qmake-bin is already the newest version (5.15.2+dfsg-12).
qtbase5-dev is already the newest version (5.15.2+dfsg-12).
qtbase5-dev-tools is already the newest version (5.15.2+dfsg-1
2).
libqt5charts5-dev is already the newest version (5.15.2-2).
qttools5-dev is already the newest version (5.15.2-5).
qttools5-dev-tools is already the newest version (5.15.2-5).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
:~$
```

Install and configure dependencies

- Advanced tools software dependencies are packages related to remote console and desktop management

- Command:

  ./setup.dependencies.tools.sh

Install and configure dependencies

- Advanced tools software dependencies.


```
Terminal                                    _ □ ✕
:~$ ./setup.dependencies.tools.sh
Password:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apt-file is already the newest version (3.2.2).      Done :)
geany is already the newest version (1.37.1-3).
gitg is already the newest version (3.32.1-1+b1).
hddtemp is already the newest version (0.3-beta15-54).
htop is already the newest version (3.0.5-7).
joe is already the newest version (4.6-1+b1).
keepassx is already the newest version (2.0.3+git20190121.1682ab9-2.2).
lm-sensors is already the newest version (1:3.6.0-7).
mc is already the newest version (3:4.8.27-1).
net-tools is already the newest version (1.60+git20181103.0eebece-1).
screen is already the newest version (4.8.0-7).
tigervnc-standalone-server is already the newest version (1.11.0+dfsg-3).
xsensors is already the newest version (0.70-5+b2).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
:~$
```
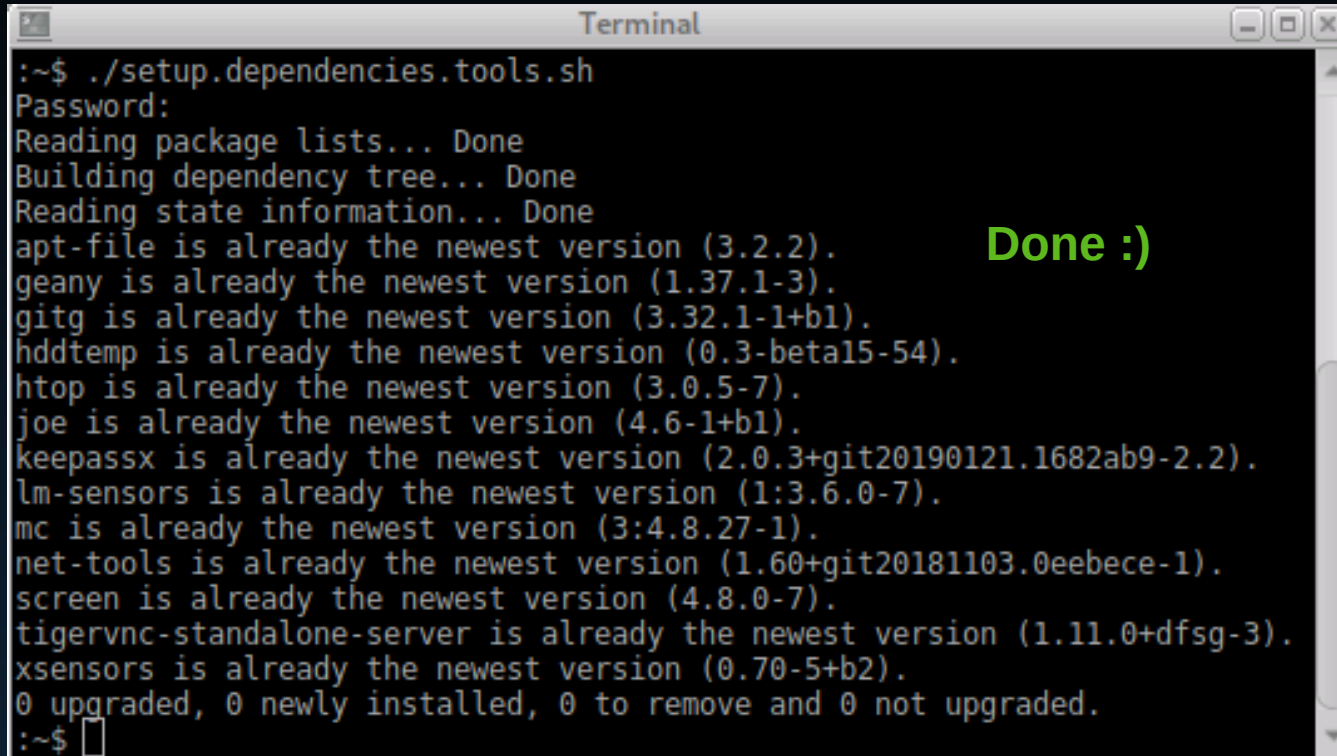
Build wallets from source

- Every cc wallet configuration path is specified like *./src/cfg.cc.<chainname><|.version>.sh*

- Some cc wallet version configuration has custom install directory specified, so not a problem to install lbry sqlite and leveldb versions at once.

- If advanced tools software dependencies are installed, final binary builds are scan by clamAV

- ie to install blocknet wallet command:

  ./setup.cc.main.sh ./src/cfg.cc.blocknet.sh install

- ie to update blocknet wallet:

  ./setup.cc.main.sh ./src/cfg.cc.blocknet.sh update

- *ie to complete wallet reinstall(all source files will purged first):*

  ./setup.cc.main.sh ./src/cfg.cc.blocknet.sh reinstall

Build wallets from source

- Ie installing default blocknet wallet command...

(could take ~40 minutes)

./setup.cc.main.sh ./src/cfg.cc.blocknet.sh install

```
*** MAKE CC SETUP SUCCESS ***

Parent is shutting down, bye...
INFO >> copy daemon file to bin >> ./bin/blocknet.d.bin
INFO >> copy cli file to bin >> ./bin/blocknet.cli.bin
INFO >> copy cli file to bin >> ./bin/blocknet.qt.bin
INFO >> using clamscan_path >> /usr/bin/clamscan
/home/user2/Downloads/ccwallets/blocknet/bin/blocknet.cli.bin: OK
/home/user2/Downloads/ccwallets/blocknet/bin/blocknet.d.bin: OK
/home/user2/Downloads/ccwallets/blocknet/bin/blocknet.qt.bin: OK
INFO >> AV SCAN >> /home/user2/Downloads/ccwallets/blocknet/bin/* >> success
*** MAIN CC SETUP SUCCESS ***
STARTED >> Fri Oct 22 08:11:29 PM UTC 2021
FINISHED >> Fri Oct 22 08:14:39 PM UTC 2021
user2@harmony:~/Downloads/ccwallets/cc.setup.helper.debian$ ▯
```

Done :)

Build wallets from source

- Ie installing default bitcoin wallet command...

(could take ~40 minutes)

./setup.cc.main.sh ./src/cfg.cc.bitcoin.sh install

```
*** MAKE CC SETUP SUCCESS ***

Parent is shutting down, bye...
INFO >> copy daemon file to bin >> ./bin/bitcoin.d.bin
INFO >> copy cli file to bin >> ./bin/bitcoin.cli.bin
INFO >> copy cli file to bin >> ./bin/bitcoin.qt.bin
INFO >> using clamscan_path >> /usr/bin/clamscan
LibClamAV Warning: ***********************************************
LibClamAV Warning: ***  The virus database is older than 7 days!  ***        Done :)
LibClamAV Warning: ***    Please update it as soon as possible.    ***
LibClamAV Warning: ***********************************************
/home/user2/Downloads/ccwallets/bitcoin/bin/bitcoin.cli.bin: OK
/home/user2/Downloads/ccwallets/bitcoin/bin/bitcoin.d.bin: OK
/home/user2/Downloads/ccwallets/bitcoin/bin/bitcoin.qt.bin: OK
INFO >> AV SCAN >> /home/user2/Downloads/ccwallets/bitcoin/bin/* >> success
*** MAIN CC SETUP SUCCESS ***
STARTED >> Mon Oct 18 05:56:00 PM UTC 2021
FINISHED >> Mon Oct 18 06:17:56 PM UTC 2021
user2@harmony:~/Downloads/ccwallets/cc.setup.helper.debian$
```

Build wallets from source

- Ie installing default litecoin wallet command...

(could take ~40 minutes)

./setup.cc.main.sh ./src/cfg.cc.litecoin.sh install

```
*** MAKE CC SETUP SUCCESS ***

Parent is shutting down, bye...
INFO >> copy daemon file to bin >> ./bin/litecoin.d.bin
INFO >> copy cli file to bin >> ./bin/litecoin.cli.bin
INFO >> copy cli file to bin >> ./bin/litecoin.qt.bin
INFO >> using clamscan_path >> /usr/bin/clamscan                Done :)
/home/user2/Downloads/ccwallets/litecoin/bin/litecoin.cli.bin: OK
/home/user2/Downloads/ccwallets/litecoin/bin/litecoin.d.bin: OK
/home/user2/Downloads/ccwallets/litecoin/bin/litecoin.qt.bin: OK
INFO >> AV SCAN >> /home/user2/Downloads/ccwallets/litecoin/bin/* >> success
*** MAIN CC SETUP SUCCESS ***
STARTED >> Fri Oct 22 08:23:17 PM UTC 2021
FINISHED >> Fri Oct 22 08:25:54 PM UTC 2021
user2@harmony:~/Downloads/ccwallets/cc.setup.helper.debian$
```

28

Build wallets from source

- Ie installing leveldb lbrycrd wallet command...

    (could take ~40 minutes)

    ./setup.cc.main.sh ./src/cfg.cc.lbrycrd.leveldb.sh install

```
*** MAKE CC SETUP SUCCESS ***

Parent is shutting down, bye...
INFO >> copy daemon file to bin >> ./bin/lbrycrd.d.bin
INFO >> copy cli file to bin >> ./bin/lbrycrd.cli.bin
INFO >> copy cli file to bin >> ./bin/lbrycrd.qt.bin
INFO >> using clamscan_path >> /usr/bin/clamscan
/home/user2/Downloads/ccwallets/lbrycrd/leveldb/bin/lbrycrd.cli.bin: OK          Done :)
/home/user2/Downloads/ccwallets/lbrycrd/leveldb/bin/lbrycrd.d.bin: OK
/home/user2/Downloads/ccwallets/lbrycrd/leveldb/bin/lbrycrd.qt.bin: OK
INFO >> AV SCAN >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb/bin/* >> success
*** MAIN CC SETUP SUCCESS ***
STARTED >> Fri Oct 22 08:40:03 PM UTC 2021
FINISHED >> Fri Oct 22 09:05:32 PM UTC 2021
user2@harmony:~/Downloads/ccwallets/cc.setup.helper.debian$ []
```

Build wallets from source

- Ie installing sqlite lbrycrd wallet command...

(could take ~40 minutes)

./setup.cc.main.sh ./src/cfg.cc.lbrycrd.sqlite.sh install

```
*** MAKE CC SETUP SUCCESS ***

Parent is shutting down, bye...
INFO >> copy daemon file to bin >> ./bin/lbrycrd.d.bin
INFO >> copy cli file to bin >> ./bin/lbrycrd.cli.bin
INFO >> copy cli file to bin >> ./bin/lbrycrd.qt.bin
INFO >> using clamscan_path >> /usr/bin/clamscan
/home/user2/Downloads/ccwallets/lbrycrd/sqlite/bin/lbrycrd.cli.bin: OK        Done :)
/home/user2/Downloads/ccwallets/lbrycrd/sqlite/bin/lbrycrd.d.bin: OK
/home/user2/Downloads/ccwallets/lbrycrd/sqlite/bin/lbrycrd.qt.bin: OK
INFO >> AV SCAN >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite/bin/* >> success
*** MAIN CC SETUP SUCCESS ***
STARTED >> Fri Oct 22 09:16:16 PM UTC 2021
FINISHED >> Fri Oct 22 09:18:56 PM UTC 2021
user2@harmony:~/Downloads/ccwallets/cc.setup.helper.debian$ []
```

Generate wallet run scripts

- For each wallet 4 types of firejail+tor protected run scripts are generated:

  #1 daemon run script name in format: firejail.<chainname>.d.bin.sh

  #2 cli run script name in format: firejail.<chainname>.cli.bin.sh

  #3 graphical wallet run script name: firejail.<chainname>.qt.bin.sh

  #4 development environment script name: firejail.dev.env.sh

- Ie to generate/regenerate blocknet run scripts command:

  ./setup.cc.firejail.sh ./src/cfg.cc.blocknet.sh

Generate wallet run scripts

- Ie generate run script on blocknet wallet command...

  ./setup.cc.firejail.sh ./src/cfg.cc.blocknet.sh

```
:~$ ./setup.cc.firejail.sh ./src/cfg.cc.blocknet.sh
INFO >> including tools >> tools.sh
INFO >> parameter #1 cc cfg script path >> realpath variable >> cc_script_cfg_path >> value is >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.blocknet.sh
INFO >> loading cc cfg script >> trying to check version and include script >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.blocknet.sh
INFO >> loading cc cfg script >> including >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.blocknet.sh
INFO >> cc cfg >> using variable >> cc_bin_file_name_prefix >> blocknet
INFO >> cc cfg >> using variable >> cc_gui_cfg_dir_name >> Blocknet
INFO >>  >> using variable >> cc_install_dir_path >> ~/Downloads/ccwallets/blocknet
INFO >>  >> realpath variable >> cc_install_dir_path >> value is >> /home/user2/Downloads/ccwallets/blocknet
INFO >> cc install directory >> cc_install_dir_path >> /home/user2/Downloads/ccwallets/blocknet
INFO >> cc install directory git.src >> cc_git_src_path >> /home/user2/Downloads/ccwallets/blocknet/git.src
INFO >> cc bin files directory >> cc_bin_path >> /home/user2/Downloads/ccwallets/blocknet/bin
INFO >> cc chain dir path >> using variable >> cc_chain_dir_path >> ~/.blocknet
INFO >> cc chain dir path >> realpath variable >> cc_chain_dir_path >> value is >> /home/user2/.blocknet
INFO >> cc chain dir path >> using directory >> cc_chain_dir_path >> /home/user2/.blocknet
INFO >> wallet dat naming >> using variable >> cc_wallet_name >> wallet_block
INFO >> firejail profile name >> using variable >> cc_firejail_profile_middlename >> blocknet
INFO >> helper files data dir >> cd >> src
INFO >> copy firejail make profile >> setup.cc.make.firejail.profile
INFO >> create script >> /home/user2/Downloads/ccwallets/blocknet/firejail.dev.env.sh >> to start custom build firejail sandbox
INFO >> copy firejail templates
INFO >> cd install directory >> /home/user2/Downloads/ccwallets/blocknet
updating firejail.blocknet.cli.bin.profile
updating firejail.blocknet.cli.bin.sh
updating firejail.blocknet.d.bin.profile
updating firejail.blocknet.d.bin.sh
updating firejail.blocknet.qt.bin.profile
updating firejail.blocknet.qt.bin.sh
INFO >> update firejail profiles
*** FIREJAIL CC SETUP SUCCESS ***
:~$ 
```

Done :)

32

Generate wallet run scripts

- Ie installing default bitcoin wallet command...

  ./setup.cc.firejail.sh ./src/cfg.cc.bitcoin.sh

```
:~$ ./setup.cc.firejail.sh ./src/cfg.cc.bitcoin.sh
INFO >> including tools >> tools.sh
INFO >> parameter #1 cc cfg script path >> realpath variable >> cc_script_cfg_path >> value is >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.bitcoin.sh
INFO >> loading cc cfg script >> trying to check version and include script >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.bitcoin.sh
INFO >> loading cc cfg script >> including >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.bitcoin.sh
INFO >> cc cfg >> using variable >> cc_bin_file_name_prefix >> bitcoin
INFO >> cc cfg >> using variable >> cc_gui_cfg_dir_name >> Bitcoin
INFO >>   >> using variable >> cc_install_dir_path >> ~/Downloads/ccwallets/bitcoin
INFO >>   >> realpath variable >> cc_install_dir_path >> value is >> /home/user2/Downloads/ccwallets/bitcoin
INFO >> cc install directory >> cc_install_dir_path >> /home/user2/Downloads/ccwallets/bitcoin
INFO >> cc install directory git.src >> cc_git_src_path >> /home/user2/Downloads/ccwallets/bitcoin/git.src
INFO >> cc bin files directory >> cc_bin_path >> /home/user2/Downloads/ccwallets/bitcoin/bin
INFO >> cc chain dir path >> using variable >> cc_chain_dir_path >> ~/.bitcoin
INFO >> cc chain dir path >> realpath variable >> cc_chain_dir_path >> value is >> /home/user2/.bitcoin
INFO >> cc chain dir path >> using directory >> cc_chain_dir_path >> /home/user2/.bitcoin
INFO >> wallet dat naming >> using variable >> cc_wallet_name >> wallet_btc
INFO >> firejail profile name >> using variable >> cc_firejail_profile_middlename >> bitcoin
INFO >> helper files data dir >> cd >> src
INFO >> copy firejail make profile >> setup.cc.make.firejail.profile
INFO >> create script >> /home/user2/Downloads/ccwallets/bitcoin/firejail.dev.env.sh >> to start custom build firejail sandbox
INFO >> copy firejail templates
INFO >> cd install directory >> /home/user2/Downloads/ccwallets/bitcoin
updating firejail.bitcoin.cli.bin.profile
updating firejail.bitcoin.cli.bin.sh
updating firejail.bitcoin.d.bin.profile
updating firejail.bitcoin.d.bin.sh
updating firejail.bitcoin.qt.bin.profile
updating firejail.bitcoin.qt.bin.sh
updating firejail.bitcoin.qt.bin.sh~
INFO >> update firejail profiles
*** FIREJAIL CC SETUP SUCCESS ***
:~$ 
```

Done :)

Generate wallet run scripts

- Ie installing default litecoin wallet command...
  - *./setup.cc.firejail.sh ./src/cfg.cc.litecoin.sh*

```
:~$ ./setup.cc.firejail.sh ./src/cfg.cc.litecoin.sh
INFO >> including tools >> tools.sh
INFO >> parameter #1 cc cfg script path >> realpath variable >> cc_script_cfg_path >> value is >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.litecoin.sh
INFO >> loading cc cfg script >> trying to check version and include script >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.litecoin.sh
INFO >> loading cc cfg script >> including >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.litecoin.sh
INFO >> cc cfg >> using variable >> cc_bin_file_name_prefix >> litecoin
INFO >> cc cfg >> using variable >> cc_gui_cfg_dir_name >> Litecoin
INFO >>  >> using variable >> cc_install_dir_path >> ~/Downloads/ccwallets/litecoin
INFO >>  >> realpath variable >> cc_install_dir_path >> value is >> /home/user2/Downloads/ccwallets/litecoin
INFO >> cc install directory >> cc_install_dir_path >> /home/user2/Downloads/ccwallets/litecoin
INFO >> cc install directory git.src >> cc_git_src_path >> /home/user2/Downloads/ccwallets/litecoin/git.src
INFO >> cc bin files directory >> cc_bin_path >> /home/user2/Downloads/ccwallets/litecoin/bin
INFO >> cc chain dir path >> using variable >> cc_chain_dir_path >> ~/.litecoin
INFO >> cc chain dir path >> realpath variable >> cc_chain_dir_path >> value is >> /home/user2/.litecoin
INFO >> cc chain dir path >> using directory >> cc_chain_dir_path >> /home/user2/.litecoin
INFO >> wallet dat naming >> using variable >> cc_wallet_name >> wallet_ltc
INFO >> firejail profile name >> using variable >> cc_firejail_profile_middlename >> litecoin
INFO >> helper files data dir >> cd >> src
INFO >> copy firejail make profile >> setup.cc.make.firejail.profile
INFO >> create script >> /home/user2/Downloads/ccwallets/litecoin/firejail.dev.env.sh >> to start custom build firejail sandbox
INFO >> copy firejail templates
INFO >> cd install directory >> /home/user2/Downloads/ccwallets/litecoin
updating firejail.litecoin.cli.bin.profile
updating firejail.litecoin.cli.bin.sh
updating firejail.litecoin.d.bin.profile
updating firejail.litecoin.d.bin.sh
updating firejail.litecoin.qt.bin.profile
updating firejail.litecoin.qt.bin.sh
INFO >> update firejail profiles
*** FIREJAIL CC SETUP SUCCESS ***
:~$
```

Done :)

Generate wallet run scripts

- Ie installing leveldb lbrycrd wallet command...

  - *./setup.cc.firejail.sh ./src/cfg.cc.lbrycrd.leveldb.sh*

```
:~$ ./setup.cc.firejail.sh ./src/cfg.cc.lbrycrd.leveldb.sh
INFO >> including tools >> tools.sh
INFO >> parameter #1 cc cfg script path >> realpath variable >> cc_script_cfg_path >> value is >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.leveldb.sh
INFO >> loading cc cfg script >> trying to check version and include script >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.leveldb.sh
INFO >> loading cc cfg script >> including >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.leveldb.sh
INFO >> cc cfg >> using variable >> cc_bin_file_name_prefix >> lbrycrd
INFO >> cc cfg >> using variable >> cc_gui_cfg_dir_name >> LBRY
INFO >>  >> using variable >> cc_install_dir_path >> ~/Downloads/ccwallets/lbrycrd/leveldb
INFO >>  >> realpath variable >> cc_install_dir_path >> value is >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb
INFO >> cc install directory >> cc_install_dir_path >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb
INFO >> cc install directory git.src >> cc_git_src_path >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb/git.src
INFO >> cc bin files directory >> cc_bin_path >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb/bin
INFO >> cc chain dir path >> using variable >> cc_chain_dir_path >> ~/.lbrycrd_leveldb
INFO >> cc chain dir path >> realpath variable >> cc_chain_dir_path >> value is >> /home/user2/.lbrycrd_leveldb
INFO >> cc chain dir path >> using directory >> cc_chain_dir_path >> /home/user2/.lbrycrd_leveldb
INFO >> wallet dat naming >> using variable >> cc_wallet_name >> wallet_lbc
INFO >> firejail profile name >> using variable >> cc_firejail_profile_middlename >> lbrycrd          Done :)
INFO >> helper files data dir >> cd >> src
INFO >> copy firejail make profile >> setup.cc.make.firejail.profile
INFO >> create script >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb/firejail.dev.env.sh >> to start custom build firejail sandbox
INFO >> copy firejail templates
INFO >> cd install directory >> /home/user2/Downloads/ccwallets/lbrycrd/leveldb
updating firejail.lbrycrd.cli.bin.profile
updating firejail.lbrycrd.cli.bin.sh
updating firejail.lbrycrd.d.bin.profile
updating firejail.lbrycrd.d.bin.sh
updating firejail.lbrycrd.qt.bin.profile
updating firejail.lbrycrd.qt.bin.sh
INFO >> update firejail profiles
*** FIREJAIL CC SETUP SUCCESS ***
:~$ 
```

Generate wallet run scripts

- Ie installing sqlite lbrycrd wallet command...

  - *./setup.cc.firejail.sh ./src/cfg.cc.lbrycrd.sqlite.sh*

```
:~$ ./setup.cc.firejail.sh ./src/cfg.cc.lbrycrd.sqlite.sh
INFO >> including tools >> tools.sh
INFO >> parameter #1 cc cfg script path >> realpath variable >> cc_script_cfg_path >> value is >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.sqlite.sh
INFO >> loading cc cfg script >> trying to check version and include script >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.sqlite.sh
INFO >> loading cc cfg script >> including >> /home/user2/Downloads/ccwallets/cc.setup.helper.debian/src/cfg.cc.lbrycrd.sqlite.sh
INFO >> cc cfg >> using variable >> cc_bin_file_name_prefix >> lbrycrd
INFO >> cc cfg >> using variable >> cc_gui_cfg_dir_name >> LBRY
INFO >>  >> using variable >> cc_install_dir_path >> ~/Downloads/ccwallets/lbrycrd/sqlite
INFO >>  >> realpath variable >> cc_install_dir_path >> value is >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite
INFO >> cc install directory >> cc_install_dir_path >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite
INFO >> cc install directory git.src >> cc_git_src_path >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite/git.src
INFO >> cc bin files directory >> cc_bin_path >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite/bin
INFO >> cc chain dir path >> using variable >> cc_chain_dir_path >> ~/.lbrycrd_sqlite
INFO >> cc chain dir path >> realpath variable >> cc_chain_dir_path >> value is >> /home/user2/.lbrycrd_sqlite
INFO >> cc chain dir path >> using directory >> cc_chain_dir_path >> /home/user2/.lbrycrd_sqlite
INFO >> wallet dat naming >> using variable >> cc_wallet_name >> wallet_lbc
INFO >> firejail profile name >> using variable >> cc_firejail_profile_middlename >> lbrycrd
INFO >> helper files data dir >> cd >> src
INFO >> copy firejail make profile >> setup.cc.make.firejail.profile            Done :)
INFO >> create script >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite/firejail.dev.env.sh >> to start custom build firejail sandbox
INFO >> copy firejail templates
INFO >> cd install directory >> /home/user2/Downloads/ccwallets/lbrycrd/sqlite
updating firejail.lbrycrd.cli.bin.profile
updating firejail.lbrycrd.cli.bin.sh
updating firejail.lbrycrd.d.bin.profile
updating firejail.lbrycrd.d.bin.sh
updating firejail.lbrycrd.qt.bin.profile
updating firejail.lbrycrd.qt.bin.sh
updating firejail.lbrycrd.qt.bin.sh~
INFO >> update firejail profiles
*** FIREJAIL CC SETUP SUCCESS ***
:~$
```

Generate DxBot strategies

- To generate dxbot strategy, need to run both wallets and make copy of maker and taker addresses from wallets first

- Ie to generate blocknet/litecoin DxBot strategy named *strategy1* on addresses block001 ltc002:

  *./setup.cc.dxbot.sh ./src/cfg.cc.blocknet.sh \
  ./src/cfg.cc.blocknet.sh ./src/cfg.cc.litecoin.sh \
  ./src/cfg.dxbot.alfa.sh ./src/cfg.strategy.block.ltc.sh   \
  strategy1 block001 ltc002*

Generating DxBot strategies

- To generate dxbot strategy, need to run both wallets and make copy of maker and taker addresses from wallets > first > run blocknet > generate address > copy address

Generating DxBot strategies

- To generate dxbot strategy, need to run both wallets and make copy of maker and taker addresses from wallets: > first > run litecoin > generate address > copy address

Generating DxBot strategies

- Finally to generate Blocknet / Litecoin DxBot strategy named

  strategy1

  on blocknet addresses

  BggB1Zyts5q5YwkeuDR5ekxFF3Ry9VoPhk

  and litecoin address

  LNpja7j2LQK5GJpS4BmQR9mW7pQyXDbb6d

  using command (one line):

./setup.cc.dxbot.sh ./src/cfg.cc.blocknet.sh ./src/cfg.cc.blocknet.sh ./src/cfg.cc.litecoin.sh ./src/cfg.dxbot.alfa.sh ./src/cfg.strategy.block.ltc.sh strategy1 BggB1Zyts5q5YwkeuDR5ekxFF3Ry9VoPhk LNpja7j2LQK5GJpS4BmQR9mW7pQyXDbb6d

Generating DxBot strategies

- Generating blockne/litecoin Dxbot strategy:

```
:~$ ./setup.cc.dxbot.sh ./src/cfg.cc.blocknet.sh ./src/cfg.cc.blocknet.sh ./src/cfg.cc.litecoin.sh ./src/cfg.dxbot.alfa.sh ./src/cfg.strategy.
block.ltc.sh strategy1 BggB1Zyts5q5YwkeuDR5ekxFF3Ry9VoPhk LNpja7j2LQK5GJpS4BmQR9mW7pQyXDbb6q
```

```
INFO >> dxbot strategy file >> /home/user2/Downloads/ccwallets/dxbot/git.src/strategy_LTC_BLOCK_strategy1.py >> update success
*** DXBOT SETUP SUCCESS ***
:~$
```

user2 Downloads ccwallets **dxbot**

git.src   run.firejail.BLOCK.LTC.   run.firejail.LTC.BLOCK.
                 strategy1.sh   strategy1.sh
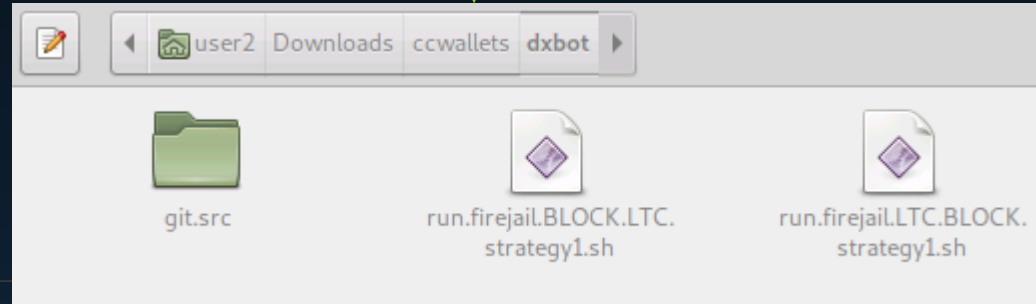
Done :)

Starting DxBot strategies(GUI)

- Find out Blocknet, Litecoin and Dxbot strategy1 run script files first:
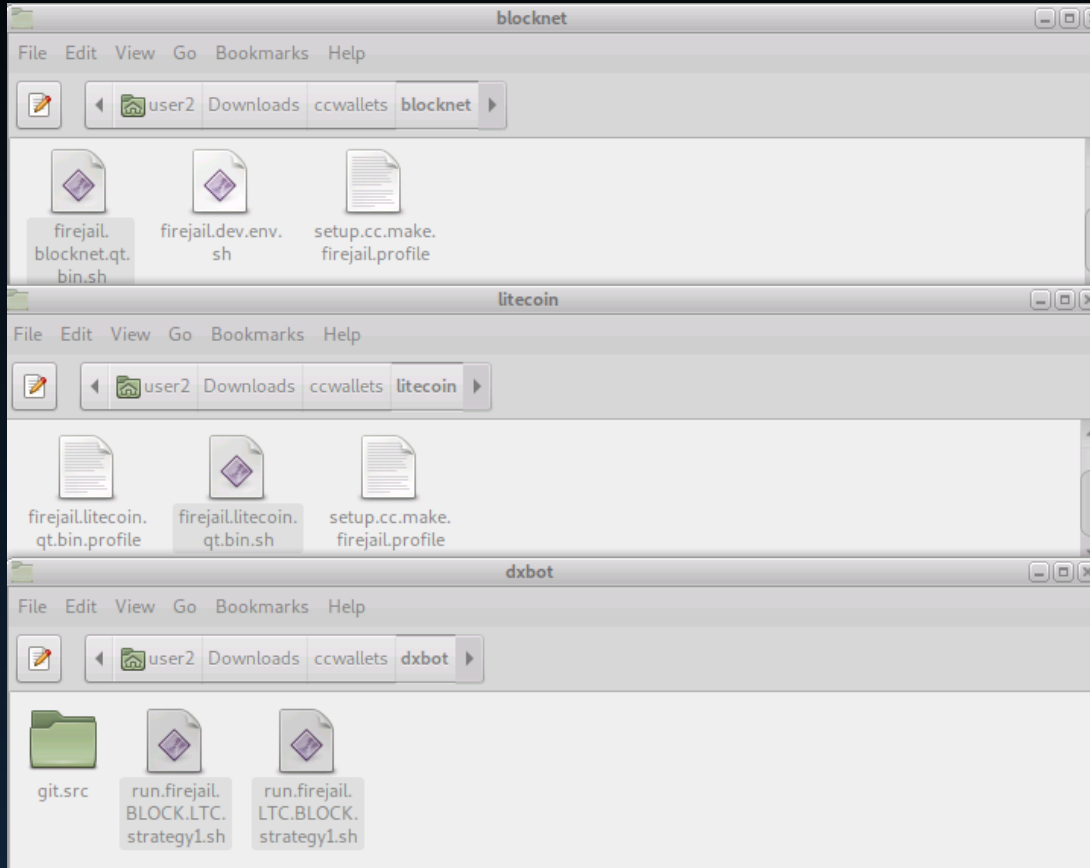
Starting DxBot strategies(GUI)

- Double click Blocknet, Litecoin and Dxbot strategy1 run scripts:
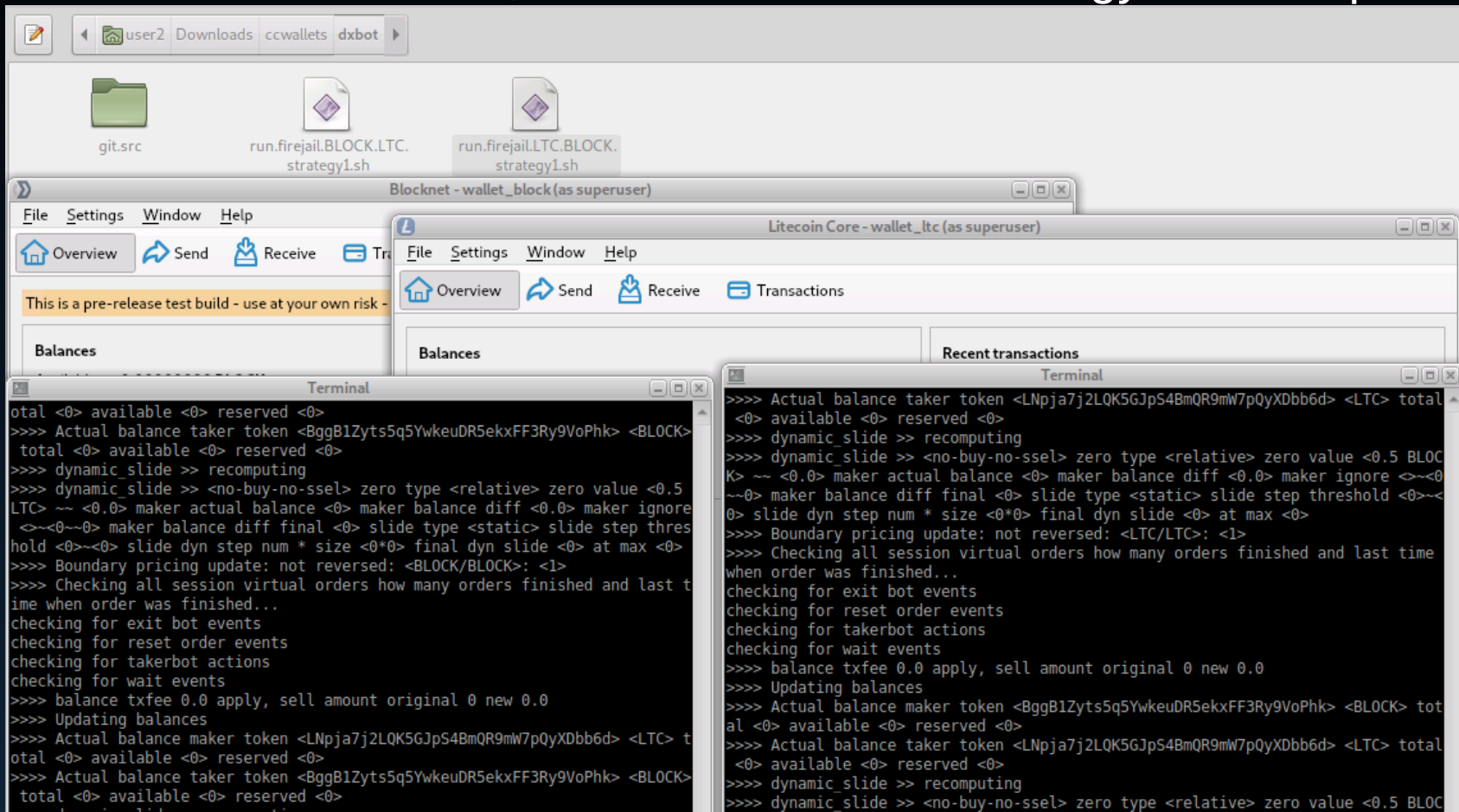
Done :)

Starting DxBot strategies(ssh screen console interface)

- (remote login) > ssh user@hostname
- (connect to existing or start new screen) > screen -R
- (open new screen *tab* before every start) > CTRL + a c

- (start blocknet daemon) > cd ~/Downloads/ccwallets/blocknet/ && ./firejail.blocknet.d.bin.sh
- (start blocknet cli) > cd ~/Downloads/ccwallets/blocknet/ && ./firejail.blocknet.cli.bin.sh
- (case to unlock blocknet wallet) > ./bin/blocknet.cli.bin walletpassphrase "$(read -sp "pwd: " un; echo $un;un=)" 9999999999
- (check blocknet sync status) > ./bin/blocknet.cli.bin getblockchaininfo | grep -e blocks -e headers -e bestblock

- (start litecoin daemon) > cd ~/Downloads/ccwallets/litecoin/ && ./firejail.litecoin.d.bin.sh
- (start litecoin cli) > cd ~/Downloads/ccwallets/litecoin/ && ./firejail.litecoin.cli.bin.sh
- (in case to unlock litecoin wallet) > ./bin/litecoin.cli.bin walletpassphrase "$(read -sp "pwd: " un; echo $un;un=)" 9999999999
- (check litecoin sync status) > ./bin/litecoin.cli.bin getblockchaininfo | grep -e blocks -e headers -e bestblock

- (start BLOCK/LTC startegy1) > cd ~/Downloads/ccwallets/dxbot/ && ./run.firejail.BLOCK.LTC.strategy1.sh
- (start BLOCK/LTC startegy1) > cd ~/Downloads/ccwallets/dxbot/ && ./run.firejail.LTC.BLOCK.strategy1.sh
- (detach from screen and let it running…) > CTRL + a d

44

To STOP DxBot strategies(ssh screen console interface)

- (remote login) > ssh user@hostname
- (connect to running screen) > screen -r

- (switch to LTC/BLOCK running screen tab) > CTRL + a " 6 ENTER
- (stop LTC/BLOCK strategy) > CTRL + C
- (cancel LTC/BLOCK strategy left open orders) > ./run.firejail.LTC.BLOCK.strategy1.sh –canceladdress

- (switch to BLOCK/LTC running screen tab) > CTRL + a " 5 ENTER
- (stop BLOCK/LTC strategy) > CTRL + C
- (cancel BLOCK/LTC strategy left open orders) > ./run.firejail.BLOCK.LTC.strategy1.sh –canceladdress

- (switch to litecoin cli tab) > CTRL + a " 4 ENTER
- (lock litecoin wallet) > ./bin/litecoin.cli.bin walletlock
- (lock litecoin wallet) > ./bin/litecoin.cli.bin stop

- (switch to blocknet cli tab) > CTRL + a " 2 ENTER
- (lock blocknet wallet) > ./bin/blocknet.cli.bin walletlock
- (lock blocknet wallet) > ./bin/blocknet.cli.bin stop

- (wait for blocknet and litecoin process stop on tabs and close) > CTRL + a 1 and CTRL + a 3 after closing everything with CTRL + d

Running DxBot strategies(screen console interface)

Done :)

```
:~$ firejail --list
48642:user2::firejail --profile=./firejail.blocknet.d.bin.profile proxychains -q ./bin/blocknet.d.bin -printtoconsole -nodebuglogfile
-datadir=/home/user2/.blocknet -wallet=wallet_block
48682:user2::firejail --profile=./firejail.litecoin.d.bin.profile proxychains -q ./bin/litecoin.d.bin -printtoconsole -nodebuglogfile
-datadir=/home/user2/.litecoin -wallet=wallet_ltc
48898:user2:strategy_BLOCK_LTC_strategy1:firejail --name=strategy_BLOCK_LTC_strategy1 --whitelist=/home/user2/Downloads/ccwallets/dxbo
t/git.src --read-only=/home/user2/Downloads/ccwallets/dxbot/git.src --whitelist=/home/user2/.proxychains --read-only=/home/user2/.prox
ychains --whitelist=/home/user2/.local/bin --read-only=/home/user2/.local/bin --whitelist=/home/user2/.local/lib --read-only=/home/use
r2/.local/lib proxychains -q python3 dxmakerbot_v2_run.py --config strategy_BLOCK_LTC_strategy1
:~$
:~$
:~$ firejail --ls=48642 ~/
drwx------ user2    user2          140 .
drwxr-xr-x root     root            60 ..
-rw------- user2    user2          796 .Xauthority
-rw-r--r-- user2    user2         3526 .bashrc
drwxr-xr-x user2    user2         4096 .blocknet
drwxr-xr-x user2    user2         4096 .proxychains
drwxr-xr-x user2    user2           60 Downloads
:~$ firejail --ls=48642 ~/Downloads/
drwxr-xr-x user2    user2           60 .
drwx------ user2    user2          140 ..
drwxr-xr-x user2    user2           60 ccwallets
:~$ firejail --ls=48642 ~/Downloads/ccwallets/
drwxr-xr-x user2    user2           60 .
drwxr-xr-x user2    user2           60 ..
drwxr-xr-x user2    user2           60 blocknet
:~$ firejail --ls=48642 ~/Downloads/ccwallets/blocknet/
drwxr-xr-x user2    user2           60 .
drwxr-xr-x user2    user2           60 ..
drwxr-xr-x user2    user2           60 bin
:~$
```

```
2021-10-24T17:50:15Z UpdateTip: new best=e9f9eeea1c3748e0eb146de7e485a02b13b6d5af73697767ab70d7f4afeb2f38 height=2209130 version=0x2000
0000 log2_work=66.791888 tx=4824242 date='2021-10-24T17:50:13Z' progress=1.000000 cache=0.1MiB(847txo)
2021-10-24T17:50:15Z New outbound peer connected: version: 70713, blocks=2209130, peer=10
2021-10-24T17:51:35Z UpdateTip: new best=28318bd2891388083b0f75f2936d43f70fff51feal8ec4d15da76e029baba1da height=2209131 version=0x2000
0000 log2_work=66.791889 tx=4824244 date='2021-10-24T17:51:34Z' progress=1.000000 cache=0.1MiB(851txo)
2021-10-24T17:52:26Z UpdateTip: new best=06bd7bff499610d7fc869b768cd43b34f0558e953d0ec5d2f04a9e0d4e2b9843 height=2209132 version=0x2000
0000 log2_work=66.791889 tx=4824246 date='2021-10-24T17:52:23Z' progress=1.000000 cache=0.1MiB(855txo)
2021-10-24T17:53:30Z UpdateTip: new best=944adea56dcfccbl194f48cf67f63505c66cf82710c741496c2e7049c6399c8d height=2209133 version=0x2000
0000 log2_work=66.79189 tx=4824250 date='2021-10-24T17:53:29Z' progress=1.000000 cache=0.1MiB(860txo)
2021-10-24T17:54:03Z UpdateTip: new best=fd49d76d9ab5ab7b67d860429f5f5c581acc03716e26eb531650ed2ecc922dda height=2209134 version=0x2000
0000 log2_work=66.79189 tx=4824252 date='2021-10-24T17:54:02Z' progress=1.000000 cache=0.1MiB(864txo)
2021-10-24T17:54:56Z UpdateTip: new best=3149a50b77a1c1878ca92156cb6224465437cd10f2218df914dad81ba34cf04d height=2209135 version=0x2000
0000 log2_work=66.791891 tx=4824255 date='2021-10-24T17:54:53Z' progress=1.000000 cache=0.1MiB(869txo)
2021-10-24T17:55:44Z UpdateTip: new best=a5916f71c58e82d5ab06a3ce8c64a5093bfea65d164b1e155862a21e21e65d7e height=2209136 version=0x2000
0000 log2_work=66.791891 tx=4824257 date='2021-10-24T17:55:43Z' progress=1.000000 cache=0.1MiB(873txo)
2021-10-24T17:56:17Z UpdateTip: new best=34fe9948fba860a96d0845ef4972bc9a54f3bdd2bf19aa02f70946e379cf42f4 height=2209137 version=0x2000
0000 log2_work=66.791892 tx=4824259 date='2021-10-24T17:56:16Z' progress=1.000000 cache=0.1MiB(877txo)
2021-10-24T17:57:06Z UpdateTip: new best=feb6439d42e03741a30e31bf941d02c7561752f36256947bd90adbbb835d93d58 height=2209138 version=0x2000
0000 log2_work=66.791892 tx=4824261 date='2021-10-24T17:57:05Z' progress=1.000000 cache=0.1MiB(881txo)
2021-10-24T17:57:56Z UpdateTip: new best=dfc7a4d6f44b8cc88241ba2845f378b59779e7fafe643a74130da9345345c7fd height=2209139 version=0x2000
0000 log2_work=66.791893 tx=4824263 date='2021-10-24T17:57:55Z' progress=1.000000 cache=0.1MiB(886txo)
2021-10-24T17:58:45Z UpdateTip: new best=82d326352a3cfc5a0438cb07ac782dea1a346b94e765966b2109d991ae00bee6 height=2209140 version=0x2000
0000 log2_work=66.791893 tx=4824265 date='2021-10-24T17:58:44Z' progress=1.000000 cache=0.1MiB(890txo)
2021-10-24T17:59:34Z UpdateTip: new best=e632e5518f075893d3ef8c80dd374b78984b930d17d6f23fff6a67d18b03ae10 height=2209141 version=0x2000
0000 log2_work=66.791894 tx=4824268 date='2021-10-24T17:59:33Z' progress=1.000000 cache=0.1MiB(895txo)
2021-10-24T18:00:38Z UpdateTip: new best=fbe675d772c194ce483d565a82cbee24e518dc6f739d87982cf78bd15052dad2 height=2209142 version=0x2000
0000 log2_work=66.791894 tx=4824273 date='2021-10-24T18:00:38Z' progress=1.000000 cache=0.1MiB(903txo)
2021-10-24T18:01:01Z New outbound peer connected: version: 70713, blocks=2209142, peer=11
2021-10-24T18:01:59Z UpdateTip: new best=833b270e94dc8c8369ae55ca5d38898424lab5488d94bbbb4ed61ed78650c5b7 height=2209143 version=0x2000
0000 log2_work=66.791895 tx=4824275 date='2021-10-24T18:01:59Z' progress=1.000000 cache=0.1MiB(907txo)
2021-10-24T18:02:00Z New outbound peer connected: version: 70713, blocks=2209143, peer=12
2021-10-24T18:02:23Z New outbound peer connected: version: 70713, blocks=2209143, peer=13
2021-10-24T18:02:54Z UpdateTip: new best=5f9c469b27b80931ea6cdac65ab80a85853e6b2eb8c0d109ab78eae494ab03fb height=2209144 version=0x2000
0000 log2_work=66.791895 tx=4824277 date='2021-10-24T18:02:53Z' progress=1.000000 cache=0.1MiB(910txo)
```

```
3 bash
checking for exit bot events
checking for reset order events
checking for takerbot actions
checking for wait events
>>>> balance txfee 0.0 apply, sell amount original 0 new 0.0
>>>> Updating balances
>>>> Actual balance maker token <BggB1Zyts5q5YwkeuDR5ekxFF3Ry9VoPhk> <BLOCK> total <0> available <0> reserved <0>
>>>> Actual balance taker token <LNpja7j2LQK5GJpS4BmQR9mW7pQyXDbb6d> <LTC> total <0> available <0> reserved <0>
>>>> dynamic_slide >> recomputing
>>>> dynamic_slide >> <no-buy-no-ssel> zero type <relative> zero value <0.5 BLOCK> ~~ <0.0> maker actual balance <0> maker balance dif
f <0.0> maker ignore <>~<0~0> maker balance diff final <0> slide type <static> slide step threshold <0>~<0> slide dyn step num * size
<0*0> final dyn slide <0> at max <0>
>>>> Boundary pricing update: not reversed: <LTC/LTC>: <1>
>>>> Checking all session virtual orders how many orders finished and last time when order was finished...
checking for exit bot events
checking for reset order events
checking for takerbot actions
checking for wait events
>>>> balance txfee 0.0 apply, sell amount original 0 new 0.0
>>>> Updating balances
>>>> Actual balance maker token <BggB1Zyts5q5YwkeuDR5ekxFF3Ry9VoPhk> <BLOCK> total <0> available <0> reserved <0>
>>>> Actual balance taker token <LNpja7j2LQK5GJpS4BmQR9mW7pQyXDbb6d> <LTC> total <0> available <0> reserved <0>
>>>> dynamic_slide >> recomputing
>>>> dynamic_slide >> <no-buy-no-ssel> zero type <relative> zero value <0.5 BLOCK> ~~ <0.0> maker actual balance <0> maker balance dif
f <0.0> maker ignore <>~<0~0> maker balance diff final <0> slide type <static> slide step threshold <0>~<0> slide dyn step num * size
<0*0> final dyn slide <0> at max <0>
>>>> Boundary pricing update: not reversed: <LTC/LTC>: <1>
>>>> Checking all session virtual orders how many orders finished and last time when order was finished...
checking for exit bot events
checking for reset order events
checking for takerbot actions
checking for wait events
>>>> balance txfee 0.0 apply, sell amount original 0 new 0.0
>>>> Updating balances

2 Strategy1
```

```
0 Blocknet
2021-10-24T17:46:01Z New outbound peer connected: version: 70015, blocks=2145849, peer=7
2021-10-24T17:46:24Z UpdateTip: new best=c1834a0db8dc72733f5dddad090b8081b18c28bd88a8847487af2efcdc6776dc height=2145850 version=0x2000
0000 log2_work=74.719651 tx=91412700 date='2021-10-24T17:46:17Z' progress=1.000000 cache=5.3MiB(40513txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:49:35Z UpdateTip: new best=71be1181f75de29ac1b8a1a09c3caaed40d8e2c5572f5b82a892908428e40aa7 height=2145851 version=0x2000
0000 log2_work=74.719654 tx=91413058 date='2021-10-24T17:49:26Z' progress=1.000000 cache=5.3MiB(41047txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:50:46Z UpdateTip: new best=d81e30528d73434f93bf957eec224270d541f4dab4d03fc80c6c602b2bdf85a2 height=2145852 version=0x2000
0000 log2_work=74.719656 tx=91413184 date='2021-10-24T17:50:35Z' progress=1.000000 cache=5.4MiB(41174txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:51:14Z UpdateTip: new best=d7452eab15a6ec24dc31b105dc44ef185d323ef02f1e7a1a14de2ed408080d32 height=2145853 version=0x2000
0000 log2_work=74.719658 tx=91413202 date='2021-10-24T17:51:02Z' progress=1.000000 cache=5.4MiB(41203txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:54:12Z UpdateTip: new best=047b4cdfecd5c78e6190511e54761bb5491b7db0803e468421dac236cf8f2660 height=2145854 version=0x2000
0000 log2_work=74.71966 tx=91413523 date='2021-10-24T17:53:27Z' progress=1.000000 cache=5.4MiB(41466txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:54:46Z UpdateTip: new best=2099a8b006800084f588b308018fda445847b3d0d1dd65edbf235315f7685e47c height=2145855 version=0x2000
0000 log2_work=74.719662 tx=91413654 date='2021-10-24T17:54:33Z' progress=1.000000 cache=5.4MiB(41684txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:56:17Z UpdateTip: new best=425a8887ba24940944fd0d735477edf5d76654381b0ea9688a7b02a5d37be341 height=2145856 version=0x2000
0000 log2_work=74.719665 tx=91413780 date='2021-10-24T17:55:45Z' progress=1.000000 cache=5.4MiB(41890txo) warning='6 of last 100 blocks
have unexpected version'
2021-10-24T17:57:11Z UpdateTip: new best=12ee843df65e971943964a1442b4f52f98a6086ac3e402edebbc8423e1e3c5ff height=2145857 version=0x2000
0004 log2_work=74.719667 tx=91413891 date='2021-10-24T17:56:15Z' progress=1.000000 cache=5.5MiB(41954txo) warning='7 of last 100 blocks
have unexpected version'
2021-10-24T17:57:34Z UpdateTip: new best=20ad95a55ba5497a33c49c12a7b9e05856455e8a75a73a8e6961b2f35cb27972 height=2145858 version=0x2000
0000 log2_work=74.719669 tx=91413999 date='2021-10-24T17:57:34Z' progress=1.000000 cache=5.8MiB(42070txo) warning='7 of last 100 blocks
have unexpected version'
2021-10-24T17:59:57Z UpdateTip: new best=2873d35e29fa44ef154673bafdf731cbfd00c959564793b6b52a71241b9c23fb height=2145859 version=0x2000
0000 log2_work=74.719671 tx=91414286 date='2021-10-24T17:59:34Z' progress=1.000000 cache=5.8MiB(42349txo) warning='7 of last 100 blocks
have unexpected version'
2021-10-24T18:05:30Z UpdateTip: new best=2a4f20c6ded47ecbf1850bdaf1726fb8afabad740137156115b1fedd19cbad38 height=2145860 version=0x2000
0000 log2_work=74.719673 tx=91414976 date='2021-10-24T18:05:17Z' progress=1.000000 cache=5.9MiB(42683txo) warning='7 of last 100 blocks
have unexpected version'

1 Litecoin
```

Firejail sandbox-everything check

- Apps looks like running native way but it is just a feeling...

- For example terminal screen shows that Litecoin 48682 process is fully limited and sandboxed, not only limited for reading file system...

Custom strategy

- How final strategy is generated? Simple clause:

  setup.cc.dxbot.sh +template +dxbot strategy config) ==>> final strategy

- Template is default dxmakerbot template file with full documentation of all options
- Strategy configuration is group of predefined values which fills template to generate final strategy
- So doing custom strategy is possible by updating final strategy or better making custom copy of strategy cfg
- Dxbot strategy config naming path format is:

  ./src/cfg.strategy.<maker ticker low>.<taker ticker low>.<custom suffix>.sh

- Strategy template is:

  ~/Downloads/ccwallets/dxbot/git.src/howto/examples/bot_v2_template.py

Auto strategy(vision only...)

- How auto strategy will work?:
- setup.cc.dxbot.auto + cfg.strategy.auto.<type> + cfg.cc.<maker> + cfg.cc.<taker> ==>> generates >> run.firejail.<maker>.<taker>.<strategy>.manager.sh
- Running strategy manager is:

  > analyzing amount of funds on maker/taker addresses

  > analyzing market predictions based on <module type>

  > actively starting and stopping target strategies

  > actively regenerating strategies based on market predictions

- Strategy manager module types:

  > buy.conservative – selling or buying something only, way more conservative, its not accepting orders at all

  > buy.aggressive – selling or buying something only, way more aggressive its also accepting orders to sell

  > stabilize.bottom – trying to find and stabilize bottom price, dump prevention

  > stabilize.top – trying to stabilize top price, pump prevention

  > stabilize.both – same like bottom and top together

  > liquidity.conservative – liquidity that primary subject is provide liquidity, probably will generate loss

  > liquidity.medium – liquidity that primary subject is not only to provide liquidity but also prevent generating loss by active dynamic spread

  > liquidity.aggressive – primary subject is to take higher default spread and aggressive dynamic spread, so keeping liquidity at possible great profit

- Dxbot auto strategy modules naming path format:

  ./src/cfg.strategy.auto\<maker ticker low>.\<taker ticker low>.\<module type suffix>.sh

That's All Folks :)

Thanks For Watching :)

Thanks For Feedback :)

Thanks For Ideas :)