

Building UraniumX

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Windows

Run uraniumx-qt.exe like a normal windows program installation
Confirm you have software V1.0.3 (it will show during startup). If after 10min, if you can not sync or find peers, see 'Having trouble sync to network during initial startup?' section below.
The default location for saving the blockchain and wallet data is:
C:\Users\yourusername\AppData\Roaming\UraniumX

You can pick different location to store the data. We suggest to use default.
(NOTE: the AppData folder is hidden in Windows by default, in the Windows folder browser, select the View tab and check the 'hidden items' box to see the folder)

Make sure to have at least 1GB of free space for the next several years, as the blockchain size will grow. (it is about 100MB as of 31-MAY-19)
The installation will create desktop icon. Start URX wallet and wait for full blockchain to sync (takes about 10 min). Then you are done!

To get started in solo mining, navigate to Help-->Debug window, then console tab. Enter "setgenerate true X" where X is the number of CPU cores you wish to contribute to mining.

Also remember to encrypt your wallet. More info visit: <https://urx.zone/FAQ>

MacOSX

Drag app (.dmg) image into desired folder and launch.
data storage location is specified during install. we suggest to keep as default.
make sure to have at least 10GB of free space for the next several years, as the blockchain size will grow. (it is about 1GB as of 31-MAY-19)
follow instructions and install the image
start app and wait for blockchain sync (could take up to 1hr). Once sync'ed you are ready to use the URX core wallet client.
remember to encrypt your wallet with very long and unique password. Settings --> Encrypt. More info visit: <https://urx.zone/FAQ>

Linux

Download the uraniumx-qt file and place in desired folder. For this example we will be placing the file in /home/yourusername/Documents

Navigate to your selected folder and run:

```
./uraniumx-qt
```

example code line with file in Documents:
cd /home/yourusername/Documents && ./uraniumx-qt

after running client, the blockchain data dir can be found using:
cd ~/.uraniumx

Linux Source Code

First make sure to install the dependencies: (total is about 815Mb)

```
sudo apt-get install build-essential libtool autotools-dev automake pkg-config libssl-dev libevent-  
dev bsdmainutils  
sudo apt-get install libboost-all-dev  
sudo apt-get install software-properties-common  
sudo apt-get update  
sudo apt-get install libdb4.8-dev libdb4.8+ +-dev  
sudo apt-get install libminiupnpc-dev  
sudo apt-get install libzmq3-dev  
sudo apt-get install libqt5gui5 libqt5core5a libqt5dbus5 qttools5-dev qttools5-dev-tools  
libprotobuf-dev protobuf-compiler  
sudo apt-get install libqrencode-dev  
sudo apt-get update
```

To compile, navigate to UraniumX folder and run:

```
./autogen.sh  
./configure --disable-tests --disable-bench --disable-gui-tests  
make
```

once done navigate to:
src/qt folder and run uraniumx-qt

NOTE: Tested on Ubuntu 18.04!!! Does not compile on Ubuntu19..we think. also ver number stil show 1.0.1 when compile this way. but it will be on yespowerurx. please fix this ver number if you know how.

instead of compile yourself you can use compiled binaries from isotope-crypto here:
https://github.com/isotope-crypto/UraniumX/releases/tag/v1.0.3_isotope-crypto-version.1

Now run the newly created qt and follow Linux instruction above. Once synced, The blockchain data dir can be found using:

```
cd ~/.uraniumx
```

Android (mobile wallet only)

sideload .apk file to any folder on your device

use a folder browser to navigate and find the .apk on your device

We suggest to use app 'EZ file explorer' to browse for the file

locate the file and click install/mount. Give permissions to install the package in android settings.

Having trouble sync to network during initial startup?

First off disable a VPN if you are running it to try and find peers.
You can find peers using a VPN, just not always.

Go to Help-->Debug-->console tab
enter the following commands to try and find peers to sync up with:

```
addnode 216.183.154.85:8235 add  
addnode 35.193.31.169:8235 add  
addnode 107.175.46.179:8235 add  
addnode 84.232.245.208:8235 add  
addnode 94.130.217.187:8235 add
```

also try these:

```
addnode 1.159.195.246:52354 add  
addnode 107.221.111.9:64281 add  
addnode 113.110.32.35:37263 add  
addnode 125.237.111.167:8235 add  
addnode 149.28.36.85:47244 add  
addnode 184.164.162.83:50084 add  
addnode 188.129.83.151:59552 add  
addnode 192.130.252.20:6658 add  
addnode 195.210.202.211:52592 add  
addnode 216.183.154.85:58968 add  
addnode 216.227.213.170:55312 add
```

and go to here <http://uranium-x.net/explorer>
click on connections to find list of active node IP's
use them and addnode command to sync up

to run a full node, have your client synced, and use portforward 8253 UPD/TCP in your local router
to your local machine with UraniumX client.
otherwise your node will likely not accept any incoming connections.

More details

See doc/build-*.md for instructions on building the various elements of the UraniumX bitcoin-core
reference implementation of this software.