The Quantum Resistant Ledger

TESTNET INSTALLATION GUIDE

Running a Quantum Resistant Ledger node on a Raspberry Pi or Ubuntu Server:

Getting setup OS for Raspberry Pi:

1. **Download an ISO image for your Raspberry Pi and write it to your MicroSD card.**

   https://www.raspberrypi.org/downloads/raspbian/

You can also download Ubuntu server and configure remotely from putty:

https://www.ubuntu.com/download/server ← Ubuntu Server download

Connecting from Windows to Ubuntu Server via SSH, using Putty. ← Tutorial

PUTTY installation package ← Putty download link

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2. Power up your Raspberry Pi / Ubuntu Server.

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Tested OS versions: 2017-03-02-raspbian-jessie and 2016-11-25-raspbian-jessie

(these images come with pip, git and python 2.7 included)

Image building on windows can be done by using Win32 Disk Imager or Rufus

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3. Downloading the necessary dependencies:

Open a terminal (crtl+alt+t) and type the following commands:

```
sudo apt-get install python python-pip python-dev git build-essential
sudo apt-get install telnet
sudo pip install jsonpickle
sudo pip install leveldb
sudo pip install Twisted==16.0.0
sudo pip install blessings
sudo pip install statistics
```

```
sudo git clone https://github.com/surg0r/QRL
```

(this will download the source code to /home/pi/QRL)

4. **Running the node:**

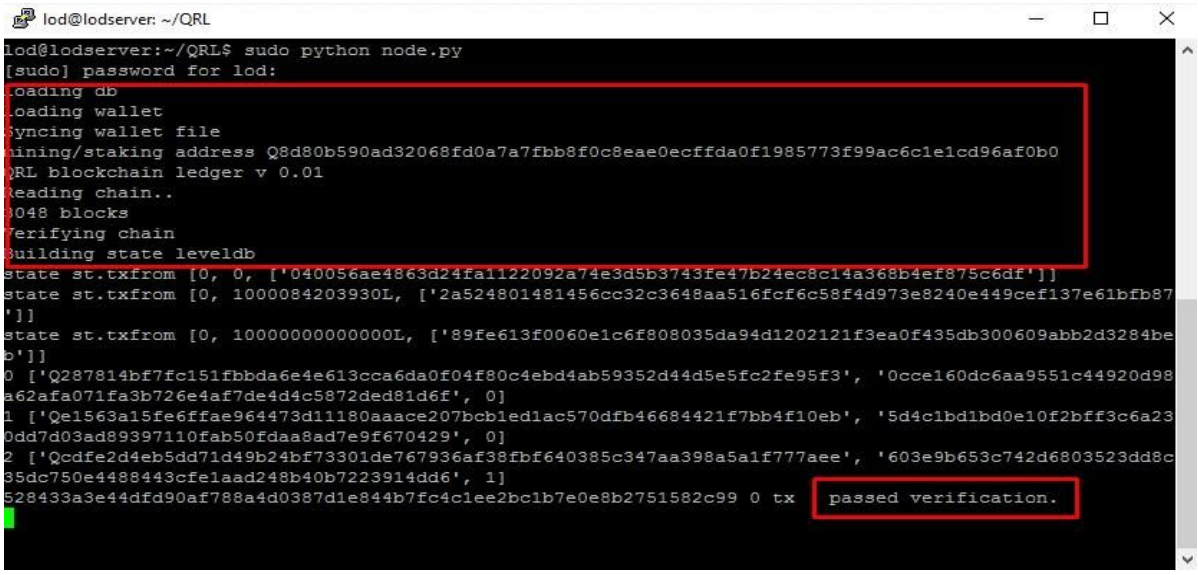
Open a terminal (crtl+alt+t) and type the following commands:

```
cd QRL                  <--------------------*(Open the QRL folder)
sudo python node.py     <--------------------*(Run the node.py script)
```

If you've set it up correctly, it should start to output the following:

After the wallet is created it will start syncronizing the chain.

This might take a while, leave it running untill the chain is sync



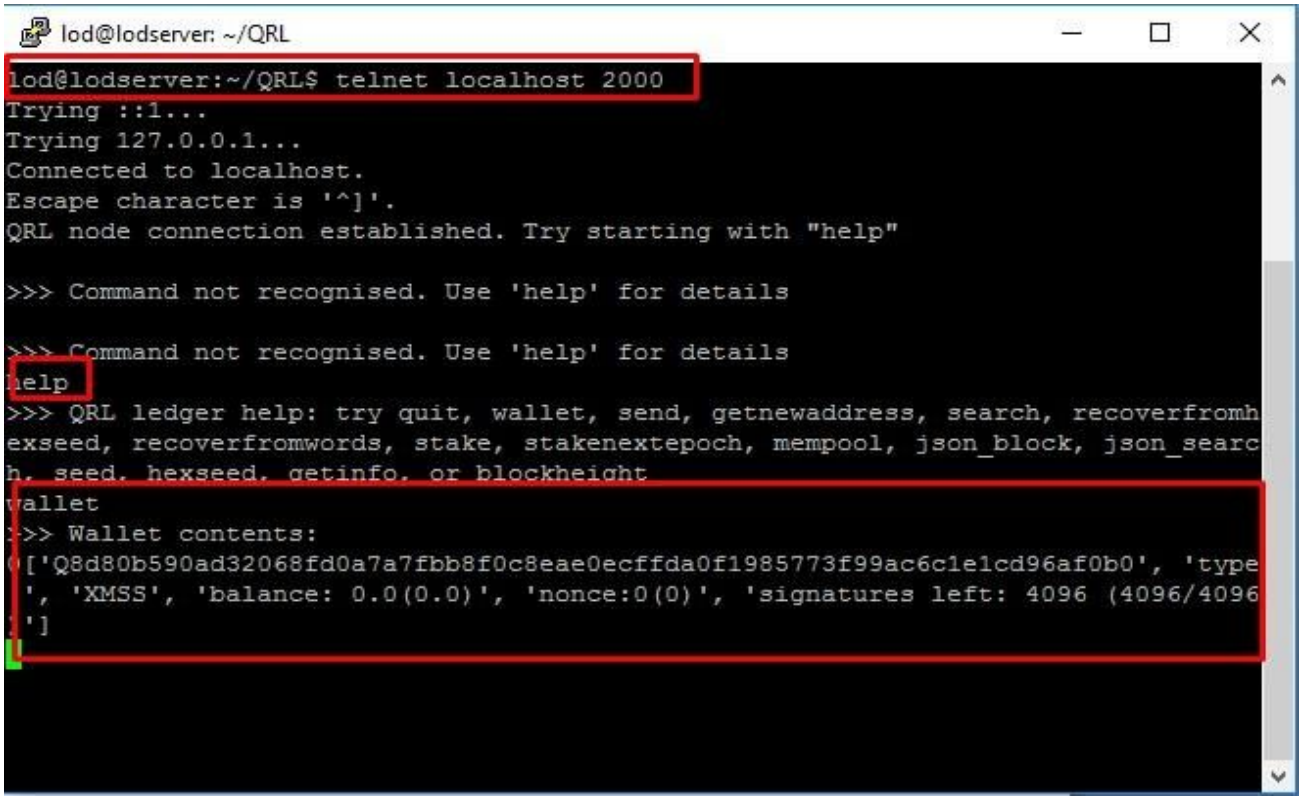
5. Accessing the wallet:

`sudo python node.py` *<--------------(Run the node.py in one terminal)*

Once it starts the synchronisation process, you can telnet into the node:

`telnet localhost 2000` *<----------(Run this command in another terminal)*

If you've set it up correctly, your second(wallet) terminal will look like this:



After you successfully run the node, please contact us on [Slack] and tell us your wallet address so we can send you some fake money for testing purpose.
