

## Starting bitcoin core

## Configuration

```

administrateur1@MESISF1590424-0014:~$ cat ~/.bitcoin/bitcoin.conf
# Enable server mode
server=1

# Enable transaction indexing (useful for Electrum server)
txindex=1

# Run in the background
daemon=1

# Enable Signet network
signet=1

# Default RPC settings for Signet
rpcport=38332
rpcbind=0.0.0.0
rpcallowip=127.0.0.1
rpcallowip=192.0.0.0/16

# Configuration générale pour les connexions et la sécurité
proxy=127.0.0.1:9050
listen=1
whitelist=127.0.0.1

# Restrict network types to IPv4, IPv6, and Onion (Tor)
onlynet=ipv4
onlynet=ipv6
onlynet=onion

# RPC authentication (do not share this publicly)
rpcauth=Dwayne67E:62de6d173b2fa8e0f85c60473442198c$a560f20e6cd1674725c1bdeb1bc87a1dcd567b5ac449b86bab87918455ba1707

# ZMQ settings for real-time block and transaction updates
zmqpubrawblock=tcp://0.0.0.0:28332
zmqpubrawtx=tcp://0.0.0.0:28333
zmqpubhashblock=tcp://0.0.0.0:28334

# Section spécifique au réseau Signet
[signet]
rpcuser=Dwayne67E
rpcpassword=playboy
rpcport=18332
rpcbind=0.0.0.0

# Addnodes to connect to for the Signet network
addnode=178.128.221.177:38333
addnode=2604:a880:400:d0::16b:c001:38333

```

## Setup RPC Authentication

```
administrateur1@MESIFI590424-0014:~/downloads$ wget https://raw.githubusercontent.com/bitcoin/bitcoin/master/share/rpcauth/rpcauth.py
--2025-01-08 09:17:42-- https://raw.githubusercontent.com/bitcoin/bitcoin/master/share/rpcauth/rpcauth.py
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.110.133, 185.199.109.133, 185.199.108.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.110.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1764 (1.7K) [text/plain]
Saving to: 'rpcauth.py.1'

rpcauth.py.1          100%[=====] 1.72K --.-KB/s   in 0s

2025-01-08 09:17:42 (33.0 MB/s) - 'rpcauth.py.1' saved [1764/1764]
```

```
administrateur1@MESIFI590424-0014:~/downloads$ ./rpcauth.py admin admin
String to be appended to bitcoin.conf:
rpcauth=admin:b0ad908ab1b0a0887c067a42af4c44dd$40c45fabdaa2fc058a47f3f62a521a44890e56f7631817b722f6fa0da6184667
Your password:
admin
```

## Setup Tor

```
administrateur1@MESIFI590424-0014:~/downloads$ sudo apt install tor
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
tor is already the newest version (0.4.6.10-1).
0 upgraded, 0 newly installed, 0 to remove and 10 not upgraded.
```