

# QTC WALLET AND MINING TUTORIAL

**QITCHAIN NETWORK** 

# 1. Related tools

- 1.1. Wallet software: qitcoin-vx.x.x-5cbde5625-win64.zip
- 1.2. Mining software: qtc-miner.exe\_1.zip

## 2. Wallet

#### 2.1. Wallet directory

Unzip the latest version of QitCoin, and download the main program path C:\Program

Files\Qitcoin by default, wait for the wallet to download and install and synchronize the blocks.

You can also set the installation path at the time of installation

Qitcoin Core (64-bit) Setup		-		>
Choose Install Location				
Choose the folder in which to install Qitcoin Core (64-bit).		6	QI	C
Setup will install Qitcoin Core (64-bit) in the following folder. To click Browse and select another folder. Click Next to continue.	) install in	a differ	ent folder	,
Destination Folder				
Destination Folder C:\Program Files\Qitcoin		Brow	wse	
Destination Folder		Brow	WSE	
Destination Folder C:\Program Files\Qitcoin Space required: 54.5MB		Brow	WSe	
Destination Folder C:\Program Files\Qitcoin Space required: 54.5MB Space available: 899.8GB		Brow	wse	

#### 2.2. Wallet data directory

\* Use the default data directory (this option is recommended).

□ Discard the chunk after validation is complete, leaving only the most recent 2GB (pruned) (this option is recommended for non-actively connected nodes).

#### 3.3. Create an account

 $[File] \rightarrow [Create Wallet]$ 

Accounts are divided into crypto and blank wallets

\* Crypto Wallet: Your wallet will be encrypted using your password

\* Blank wallet: There is no password, you can set it later. The place to set the password is in

[Settings]  $\rightarrow$  [Encrypt Wallet]

<u>F</u> ile	<u>S</u> etting	s	<u>W</u> indow	<u>H</u> elp					
$\widehat{\mathbf{G}}$	<u>Enc</u>	crypt	Wallet	)	eive	Transactions			
		ange	Passpilla	se	_				
Bala	<u>O</u> p	tion	s				Re	cent transac	tions

a	Encrypt wallet	?	×	
n m o	Enter the new passphrase for the wallet. Please use a passphrase of <b>ten or more random characters</b> , or <b>eight or more words</b> .			
t				0
	New passphrase		_	l
	Repeat new passphrase			
	Show passphrase			
	OK	Cance	1	6

Passwords must be remembered, and if you forget them, the assets of this wallet will be lost forever.

Once the password is found to be unsafe, it can be changed, but you must use the original password and set a new password.

a	O Change passphrase	?	×	Q
n o				
t	Enter the old passphrase and new passphrase for the wallet.			Q
	Enter passphrase		_	Q
	Repeat new passphrase			Q
	OK (39NrfV3eWzzs0i eCVnedVPEC0VbER0v27S	Cance	1	Q

# 4. Use a wallet

\* Open wallet

<b>(</b> ) (	Litcoin Core	9		
File	Settings	Window	Hel	lp
(	Create Wall	et		A Receive 🕞 Transactions
(	Open Walle	t	•	[default wallet]
(	Close Walle	t		QTC01.dat
(	Open URI			QTC02.dat
E	Backup Wal	let		QTC03.dat
9	Sign messa	ge		QTC04.dat
1	Verify mess	age		c
E	Exit	Ctrl	+Q	_

After opening the wallet, the current wallet ownership does not change. It can be understood that this wallet was imported. What really affects the current interface is which wallet is triggered by the selector in the upper right corner.



For example, if it is the default wallet at present, select QTC01 wallet here in Open Wallet. The current interface still displays the balance of the default wallet by default. To see the balance of QTC01, you need to switch to the wallet list in the upper right corner

## 5. Close the wallet

Close the current wallet and he will disappear from the wallet selection list in the upper right corner. Closing a wallet is not deleting a wallet

## 6. Back up your wallet

Next, we need to back up our wallet files, this action is very important, it is recommended to do it. Backup wallet process: Open the wallet window ---> Information

🙆 Qitcoin Core - QTC01.dat									
<u>F</u> ile <u>S</u> ettings	<u>W</u> indow	<u>H</u> elp		_					
1 Overview	Minir	nize	Ctrl+M	ansactions					
Balances	<u>S</u> end <u>R</u> ece	ing addres iving addre	ses sses	_					
Available:	<u>I</u> nfori	mation							
Pending:	Cons	ole							
Immature:	<u>N</u> etw	ork Traffic							
Frozen:	Peers								

🧿 Debug window				×
Information <u>C</u> onsole <u>N</u> etwo	rk Traffic Peers			
General				
Client version	v1.23.7.0-5cbde5625-dirty			
User Agent	/Qitcoin:1.23.7/			
Using BerkeleyDB version	Berkeley DB 4.8.30: (April 9, 2010)			
Datadir	C:\Users\dongj\AppData\Roaming\qitcoin			
Blocksdir	C:\Users\dongj\AppData\Roaming\qitcoin\blocks			
Startup time	周日 2月 13 23:46:05 2022			
Network				
Name	main			
Number of connections	5 (In: 0 / Out: 5)			
Block chain				
Current number of blocks	124337			
Last block time	周一 2月 14 00:22:56 2022			
Memory Pool		- 1		
Current number of transactions	0	Debuş	g log fi	le
Memory usage	0.06 KB	6	<b>♀</b> <u>O</u> pen	

# This is the directory where our wallet data files are stored C:\Users\Administrators\Application Data\Roaming\qitcoin

# Adding wallets after this path is the storage path for our wallet files

📜   🗹 📜 =   wall	lets				- 0	×		
File Home	Share	View				~ ?		
← → • ↑ 📕	- → • ↑ 📜 « Roaming > qitcoin > wallets > • • Ū 🖓 Search wallets							
🗲 Quick access		Name	Date modified	Туре	Size			
Deskten		📕 database	2/14/2022 12:46 AM	File folder				
Desktop	~	.walletlock	7/21/2021 6:24 PM	WALLETLOCK File	0 KB			
Downloads	R	db	7/21/2021 6:24 PM	Text Document	0 KB			
Documents	*	QTC01.dat	2/14/2022 12:45 AM	DAT File	3,776 KB			
Pictures	*	QTC02.dat	2/14/2022 12:45 AM	DAT File	41,136 KB			
🕽 Music		QTC03.dat	2/14/2022 12:45 AM	DAT File	32 KB			
📕 Videos		QTC04.dat	2/14/2022 12:45 AM	DAT File	40 KB			
<ul> <li>OneDrive</li> </ul>		🗋 wallet.dat	2/14/2022 12:46 AM	DAT File	112 KB			
This PC								
🗳 Network								
8 items						:		

\*Below. The dat file is stored from another wallet, as long as it is placed under this directory, it can be seen in the [File]  $\rightarrow$  [Open Wallet].

0	Qitcoin Core	e				
File	Settings	Window	He	lp		
	Create Wall	et		Receive	Ē	Transactions
	Open Walle	et	•	[default wa	llet]	L
1	Close Walle	et		QTC01.dat		
	Open URI			QTC02.dat		
	Backup Wal	llet		QTC03.dat		
	Sign messa	ge		QTC04.dat		
	Verify mess	age		QTC		_
	Exit	Ctrl	+Q			

You can also operate directly in the Files  $\rightarrow$  Backup Wallet

However, the wallet backed up by the backup wallet is the currently selected wallet in the wallet list in the upper right corner, such as:



The above has completed the registration, encryption and backup of the wallet, please be sure to save your wallet file, it is recommended to find a clean and non-toxic U disk to store this file. The private key in the blockchain world is more important than anything else, and the wallet password is recommended to be placed in a safe place with a hand-copied backup, while giving the following suggestions:

\*1. Wallets must be backed up, and there are many ways to store them, preferably on a few secure, virus-free USB sticks or computers.

\*2. The brain password and digital ID generated for the mining account must be remembered and saved.

\*3. If you have an amazing amount of QTC, prepare an absolutely clean, non-toxic Trojan that you don't use much, dedicated to money transfer transactions and so on.

\*4. Do not casually hand over documents .dat others\*

\*5. The wallet encryption password is recommended to be copied to the paper and placed in a safe place; it is recommended not to store it on the computer.

# 3. P disk

The process of having a P drive before the hard disk mining starts, what is a P drive? The so-called P disk full name Plotting (drawing) hard disk, that is, to create a Plot file in the hard disk, you will also create a thing called random numbers. Random numbers are generated by repeated hashes of data, including your account ID and so on. If you allocate more hard disk space for Plotting, then you store more random numbers. The larger the capacity of the hard disk, the more random numbers are stored in the hard disk, and the greater the probability of mining QTC.

#### 1. Obtain the Plotter ID

We open the QTC wallet and click [Help]  $\rightarrow$  [Generate Plotting account]  $\rightarrow$  here must be saved. This Plotter ID is your Plotter ID, the ID is composed of numbers, the brain password is generally composed of 12 English words, as important as the mnemonic words of the wallet, remember to save the Plotter ID and brain password! Pay attention to the handwritten backup!



## 2. Start the Plot hard drive

Open the catalog qtc-miner in the catalog qtc-miner.exe mining integration software.

- \*1. After opening the software, click the [Plot] button
- \*2. Select the disk path
- \*3. Fill in the Plotter ID generated earlier
- \*4. Confirm the size of the disk

As shown in the following figure:

OTC Miner					-	
Path			Capacit	у	Free	
	🙆 Plot	_		$\times$		
	Save Path	C:\plots				
	Plot ID	8383388781867067474		]		
	Capacitv	1024		GB		
	Cache size	8				
	Threads	8				
<		Start		1		>
Information						
Address http://localhost:333	۷		_			Plot
Job:		Informatio	on:			Add
Language English V						

Then wait for the disk to finish.

🙆 Plot	- 0	$\times$
Course Double	Ciplots	
Save Path	с. фюв	]
Plot ID	8383388781867067474	]
Capacity	1	GB
Cache size	8	]
Threads	8	]
_	Completed	
	Start	
12		

So, we're done with the Plot drive, and after the Plot is done, we can start mining. (Tip: Plot finished hard drives will show red and the disks will be full because the encryption algorithm POC is populated.)

# 4. Mining

- 1. SOLO mode mining
  - \* Open the mining wallet program Qitcoin Core (mining, 64-bit)



# \* Open the mining program qtc-miner.exe

📜   🗹 📜 🔻   qtc-r	niner.e	exe_1					_		×
File Home Share View									~ ?
$\leftarrow \rightarrow \checkmark \uparrow$	> qtc	-miner.exe_1	~	Ö	2	Search qtc-miner.exe_1			
<ul> <li>✓ Quick access</li> <li>✓ Desktop</li> <li>✓ Downloads</li> <li>☑ Documents</li> <li>∞ Pictures</li> <li>✓ Music</li> <li>☑ Videos</li> </ul>	* * * *	config.yaml qtc-miner							
This PC Network									
2 items									

# \* Click the [Add] button to add the drive letter directory that has completed the Plot drive

OTC Miner		—	$\times$
Path ② 选择扫盘目录	Canacity	Free	×
$\leftarrow$ $\rightarrow$ $\checkmark$ $\uparrow$ 📜 $\ll$ Local Disk (C:) $\rightarrow$ plots $\checkmark$	C Search plots		Q
Organize 🔻 New folder		∎ ▼	?
PerfLogs Plots Program Files Program Files ( Share Folder: plots	Date mo as match your search.	Cancel	Type >
Address http://localhost:3332 Save Capacit Job: Informa Language English V	y: Ition:		t

\* Add all drive letter directories in turn as shown in the following figure

💿 QTC Miner		- 🗆 X				
Path C:\plots	Capacity 	Free 27.29 GB				
<		>				
Information       Address     http://localhost:3332     Save     Capacity:     Plot       Job:     Information:     Add       Language     English     ~						

#### 2. Bind the wallet address

Note: Mining needs to bind the Plotter ID to the wallet address before it can be mined normally.

\*Click the Send button  $\rightarrow$  Select Bind to  $\rightarrow$  Send

The Settings Window Help	💿 Qitcoin Core - QTC01.dat	- 🗆 ×	Receiving addresses	? ×
Bind To:       HowdryDREail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind To:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind To:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind To:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind To:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind To:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind to:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind to:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind to:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind to:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate         Bind to:       Montput/Deail VCtVAnch35 (Block32pD2753H)       Image: Control of the ch/Generate       Image: Control of the ch/Generate	File Settings Window Help	Wallet: QTC01.dat -	These are your Qitcoin addresses f address' button in the receive tab Enter address or label to search	or receiving payments. Use the 'Create new receiving to create new addresses.
Plotter: Alive Tise: 24 hours (480 blocks)	Bind To: 3NoxEpURbmivCrVAnCn3j6Nok3zpDJ753H	日日の	Label	Address
Alive Tise: 24 hours (480 blocks)  I D - Noteput File Edit Formet View Help Passphrase: pink test beneath pathetic hunt respond adore some among path protect inhale Plotter ID: 8383388781867067474	Plotter:	•••••••	(no label)	3NoxEpURbmivCrVAnCn3j6Nok3zpDJ753H
Eind to       Check/Generate         Eind to       Check/Generate	Alive Time: 24 hours (480 blocks)			
Bind to · Possive       - C ×				
Hie Lott Formative Veely Help         Passphrase: pink test beneath pathetic hunt respond adore some among path protect inhale         Plotter ID: 8383388781867067474		ID - Notepad		- 🗆 ×
	Bind to • Send Check/Generate	Passphrase: pink tes Plotter ID: 83833887	reep st beneath pathetic hunt respon 781867067474	nd adore some among path protect inhale
In 2 Col 32 100% Windows (CREF) LITE-8		<	In 2 Co	> 100% Windows (CRLF) LITE-8

\*Note: Click the [Check/Generate] button to check whether the bound Plotter ID is correct

🙆 Qitcoin Core -	QTC01.dat	_		×
File Settings W	/indow Help			
Overview 0	Send 🖄 Receive 🗇 Transactions Wallet	: QTC01	.dat	•
Bind To:	3NoxKpURbmivCrVAnCn3j6Nok3zpDJ753H		ÐĒ	$\otimes$
Plotter:	• • • • • • • • • • • • • • • • • • • •	••••		••
Alive Time:	24 hours (480 blocks)			•
	Bind plotter	×		
	Bind 8383388781867067474 to 3NoxKpURbmivCrVAnCn3j6Nok3zpDJ753H           You can copy and send below signature bind data to           3NoxKpURbmivCrVAnCn3j6Nok3zpDJ753H owner:			
	04100000004a8e701002081040d8dbe1d68f8f27ebfe5dbf7715e9cb2fbd40e297fd6 2a46aca8083d3d40f4803de8c171a00530fa54a1a46ef52c87971dafe679bb69d13df9 c91f88096124836b127bcff023af373a86b81564846cab9630f4ad179b0ce49f20f93fda	1d Id		
Bind to 💌	Copy bind data Close	ance: 96	. 563441	74 QTC
			QTC	нр 💕 🖋

\*After confirming that the above information is correct, click the [Send] button to complete the wallet address binding.

🔞 Qitcoin Core - QTC01.dat			_		$\times$
File Settings Window Help					
Overview 🔊 Send 🖄 Rea	eive 🗖 Transactions	Wallet:	QTC01.	dat	•
Bind To: 3NoxEpuRbr @ Cont	irm send coins X	:		•	$\otimes$
Plotter: ••••••	Are you sure you want to send?		•••		••
	8383388781867067474 bind to         3NoxKpURbmivCrVAnCn3j6Nok3zpDJ753H The operation will         lock 0.1000000 QTC. You can unbind later, and the locked amount will be returned to this address.         Transaction fee (0.381 kB): 0.00005520 QTC				
Bind to 🔹 🏟 Send	Check/Generate	Bala	nce:96.	563441	74 QTC
				QTC	нр 🥵 🖋

## 3. Point to mining

Note: point mining can obtain 100% of the income of providing computing power, and non-point mining can only obtain 5% of the income.

\*Click [Send]  $\rightarrow$  Select [Point to] tab  $\rightarrow$  Fill in the wallet payment address to the (point to:) text box $\rightarrow$  Enter the amount you want to pledge  $\rightarrow$  Select the locked time period  $\rightarrow$  Click [Send] to complete the Point to mining

O Qitcoin Core	QTC01.dat		-		×
File Settings V	/indow Help				
Overview	💫 Send 🖄 Receive 🕞 Transactions	Wallet:	QTC01.	. dat	•
Point To:	Enter a Qitcoin address (e.g. 3LX1uGfaDm6LGj6gy7aFJc7azpyzKhUaR	.s)		₽	$\otimes$
Label:	Enter a label for this address to add it to your address book				
Amount:	100.00000000 🗘 QTC 🔹 🗌 Subtract fee from amount	Use	availab	ole bala	nce
Lock Blocks:	51 weeks (172800 blocks)				•
	-51 weeks (172800 blocks) 1 year and 24 weeks (259200 blocks)				
					_
Transaction	Fee: 0.00020000 QTC/kB Choose Varning: Fee estimation is curr	ently r	ot pos	sible.	
Point to 🔻	A Send	Bala	nce:96.	5634417	4 QTC
		-	-	QTC •	id 🎜 🖋



The above completed the Point to mining operation.

#### 4. Staking ranking rewards

Note: Participating in the Staking Global Top 10 Rankings can get a 20% dividend reward for miner mining, it should be noted that if the authorized amount is less than the address amount in the final ranking, you will not be able to participate in Staking Dividends.

Qitcoin Core -	QTC01.dat		-		×
File Settings W	/indow Help				
Overview	💫 Send 🖄 Receive 🕞 Transactions 🛛 🛛	allet:	QTC01.	dat	•
Staking To:	Enter a Qitcoin address (e.g. 3LX1uGfaDm6LGj6gy7aFJc7azpyzKhUaRs)			₽	$\otimes$
Label:	Enter a label for this address to add it to your address book				
Amount:	QTC    Subtract fee from amount	Use a	availabl	le bala	nce
Lock Blocks:	51 weeks (172800 blocks)				•
					_
Transaction	Fee: 0.00020000 QTC/kB Choose Varning: Fee estimation is curren	ntly n	ot pos	sible.	
Staking to 🔻	A Send	Balar	.ce:96.	5634417	4 QTC
				QTC H	ID 💕 🖋

# 5. QTC common commands

0. help: List commands or get command help

Command format: help ("command").

- 1. Backupwallet: Safely copy the wallet .dat to the destination path
  - Command format: backupwallet "destination"
  - Example: backupwallet "C:\aaa"
- 2. dumpprivkey: Displays the private key corresponding to the address Command format: dumpprivkey "address"
- 3. dumpwallet: Export all wallets to a file

Command format: dumpwallet "filename"

4. Getbalance: Returns the account balance

Command format: getbalance ("dummy" minconf include\_watchonly avoid\_reuse ).

- 5. getbalances: Returns the balance of all objects in the account
  - Command format: getbalances
  - Returns an object that contains all the balances in QTC.
- 6. getmininginfo: Returns an object containing mining-related information
  - Command format: getmininginfo
  - Command description: Returns a json object that contains mining-related information.
- 7. getpeerinfo: Returns the data of each connection node
  - Command format: getpeerinfo
- Command description: Returns data about each connected network node as an array of json objects.
- 8. Importprivkey: Add the private key to your wallet
  - Command format: importprivkey "privkey" ( "label" rescan ).
- Command description: Add the private key (returned by dumpprivkey) to your wallet. A new wallet backup is required.
- 9, walletpassphrase: store the wallet decryption key in memory< timeout > seconds.

Command format: walletpassphrase "passphrase" timeout Command description: Store the wallet decryption key in memory to "time out" in seconds.