

Forum:[Hack Forums](#)

Thread: [Bitcoin transactions have 0 confirmations? Learn how to fix them!](#)

Kill Joy - May 17, 2017, 9:07 pm

Introduction

There are a couple hundred thousand unconfirmed transactions on the bitcoin network at the time this thread was written. [Click me](#) to see the current amount of unconfirmed transactions. Today I will explain and show you a step-by-step process on why your transactions are stuck on 0 confirmations.

Why does my transaction still have 0 confirmations after 24 hours?

Stuck transactions are usually caused by paying a fee that is too low for bitcoin miners to accept.

What can I do to make my transaction confirm?

There are a few things you can do as the receiver and the sender: Sit and wait for the transaction to confirm

Let the transaction time-out (will take awhile)

Contact a miner/pool to mine it for you

As a sender you can: Attempt to use Replace-By-Fee (restricted to certain wallets)

Attempt a Child-Pays-For-Parent transaction (CPFP)

As a receiver you can: Attempt a Child-Pays-For-Parent transaction

If for some reason you are unable to perform any of the above actions, you must simply wait and hope that your transaction will eventually confirm. If your wallet does not re-broadcast your transaction automatically, you must do that periodically for the network to "remember" your transaction. Most wallets automatically do this for you.

How can I force the network to "forget" my transaction?

Transactions that remain unconfirmed for an extended period of time may be "forgotten" by most nodes on the bitcoin network. This process may take a few days. Reasons a transaction can be "forgotten" are: Node Restarts

Mempool expiry times

Mempool eviction (mempool increases minimum fee)

How do I get a miner or pool to confirm my transaction?

Some miners and pools offer services to prioritize your transaction. You may contact them and ask if they will take a payment to include your transaction. Many users have linked to <https://pool.viabtc.com/tools/txaccelerator/> but it may not necessarily work for you as it has a limit of 100 transactions per hour.

Attempting Replace-By-Fee Transactions

A Replace-By-Fee (RBF) transaction, also known as a double spend, is a transaction that is identical to the one that is "stuck" on 0 confirmations. Please note that transactions that do not use Opt-In RBF will be considered a double spend and will be flagged as such, which may take a long time to confirm still. If you want to get into the technicalities of RBF, refer to my post [here](#).

Three Different Types of RBF Transactions

There are three different types of RBF transactions: First-Seen-Safe (FSS) - Requires that the Replace-By-Fee transaction includes the same outputs and inputs (sender/receiver ID) as the original transaction.

Full RBF - A Full Replace-By-Fee means that the transaction is a double spend of another transaction but includes a higher fee; therefore, it replaces the original transaction.

Opt-In RBF - Opt-In Replace-By-Fee simply means that an RBF transaction can only replace a transaction that has been "Opted-In" to allow itself to be replaced.

Making A Full Replace-By-Fee Transaction

Making an RBF transaction depends entirely on the wallet you are using. Some wallets will support this option and some will not. Below I will include a list of wallets that support Full RBF and how to go about performing an RBF.

* I highly recommend you use Opt-In RBF, featured further in this tutorial with Electrum, as it is the simplest and easiest one for you to perform.

Bitcoin Core

[Download Link from Official Site](#)

In Bitcoin Core Follow these steps:
Go to the transaction list

Right-click the transaction that is stuck

Choose "Abandon Transaction"

If for some reason the option is grayed out, you must restart Bitcoin Core using the -walletbroadcast=0 option. Repeat the above steps after doing this.

If both options listed above fail, you can restart Bitcoin Core using the -zapwallettxes option. This will clear all the unconfirmed transactions. Once you restart it you can start a new transaction, but

make sure you include a higher fee.

Bitcoin Armory

[Download Link from Official Site](#)

In Bitcoin Armory follow these steps:

Go to Help

Clear All Transactions

Restart Armory

Once you have restarted Armory, you can go ahead and send a new transaction with a higher fee.

MultiBit HD

[Website](#)

In MultiBit HD follow these steps:

Go to Manage Wallet

Click on Repair Wallet

Follow the wizard

Once you have completed these steps you can now send a new transaction with a higher fee.

Wallets That Do Not Use Full Replace-By-Fee

This is a list of commonly used wallets that do not use Full RBF:Blockchain and most web wallets

Electrum (Supports Opt-In which I recommend you use)

Mycelium

Bitcoin Wallet for Android

MultiBit Classic

Copay

Jaxx

Using Child-Pays-For-Parent (CPFP) Transaction

A Child-Pays-For-Parent transactions is when a child transaction spends from an unconfirmed parent transaction and includes a transaction fee which covers both the fee of the child and the parent. These type of transactions are very hard to perform as most wallets do not allow this. A few mining pools will not accept a transaction with a low fee leading to a high fee either.

To do this you must:

Make sure your transaction has 0 confirmations

Send a new transaction with the same amount of coins again

Make sure you set a way higher fee. Use <https://bitcoinfees.21.co/> to determine high fees.

Send the new transaction.

Child Pays For Parent - Blockchain Tutorial

People who use Blockchain can also use Electrum to fix their unconfirmed transactions.

Open Tutorial:

Spoiler ([Click to View](#))

1. Download the official Electrum wallet found [here](#). Do not Install it yet. If you already have it downloaded, later in this tutorial just click File > new/restore to create a new wallet. It won't erase your original.

2. Login to Blockchain and go to Settings > Security

4. Go to Backup Phrase

5. Copy and paste all your words (12) onto a .txt file or write them down. Keep these private as someone can steal your wallet with them.

6. Visit <https://iancoleman.github.io/bip39/>

7. Paste your words.

8. Scroll down to Derivation Path. Copy your Account Extended Private Key. It should start with xprv. Using the xpub key will make your wallet watch only.

Now we will install the Electrum Wallet. People who have already installed Electrum, click File > new/restore to create a new wallet.

9. Select Standard Wallet

CPFP Blockchain Tutorial Continued:

Spoiler ([Click to View](#))

10. Select Use Public or Private Keys

11. Paste your Account Extended Private Key

12. Make a strong password. Remember this!

13. Now go to Tools > Preferences and enable these options like this:

14. Right click "Replaceable" and click Child Pays For Parent.

15. Select a higher fee

16. Sign and broadcast it

Congratulations! You are now down and all you need to do is wait! After 10 minutes my transaction was finally mined. It will look like this:

Any issues with this tutorial, just ask for help in this thread.

Using Full Replace-By-Fee for Various WalletsBlockchain and most web wallets

Electrum (Supports Opt-In which I recommend you use)

Mycelium

Bitcoin Wallet for Android

MultiBit Classic

Copay

Jaxx

If you use any of the wallets above, you may be in luck! If your wallet is able to export your private key/xprv, then you will be able to perform a Full RBF! Unfortunately new Blockchain wallets are Watch Only, meaning you can't export private keys and therefore cannot perform a Full RBF.

If you are able to export your private keys, this will be a tedious process but it will work! (Picture tutorial to come this weekend)

Follow these steps:

Get the private keys for the addresses whose unspent outputs were used in the unconfirmed transaction.

Import them into Bitcoin Core (see above for a link to the wallet)

Generate a raw TX

Sign the transaction

Broadcast the transaction

This should fix your unconfirmed transaction. If you are having trouble, feel free to ask for help in the comments.

Using Opt-In Replace-By-Fee <<<----- Highly Recommended!!!

There are two wallets that I know support Opt-In RBF, Electrum and GreenAddress. I highly recommend using Electrum.

Electrum

Download the latest Electrum client [here](#).

Open Picture Tutorial ([Click to View](#))

Once you have downloaded and installed Electrum we need to go ahead and enable the RBF function. To do so go to:

Tools

- Preferences then check the box for
 - Use dynamic fees (automatically makes sure your fee is adequate)
 - Edit fees manually (in the event your transaction does not confirm)
 - Select always

The first time you send a transaction it should look like this:

You must make sure that you click replaceable! If the box is not popping up after you changed the preferences, just click the max button and it will appear.

After you have sent a payment you can now click the history tab.

Oh dear! Our transaction is still unconfirmed after a long time. Right click replaceable and click increase fee. *Remember that the dynamic fees should provide an adequate fee and this is in the case that the fee still wasn't high enough.

You can now adjust your fee. Do not click final if you wish to edit it again in the event it that your transaction does not get picked up by miners.

Congrats! You should now be able to successfully get your transactions confirmed.

GreenAddress

Website - [Click me!](#)

GreenAddress is an online wallet that uses a plugin with google chrome.

Open Picture Tutorial [\(Click to View\)](#)

Whenever you send bitcoin via GreenAddress, the RBF function should automatically be enabled. If it is not, you can enable it in settings.

As you can see a bump fee button has appeared next to the status box. Go ahead and click that.

You can now select the new fee that you would like to place to get your transaction confirmed faster.

Avoiding Future Issues

To alleviate your pain in the future, there are several things you can do to avoid having these issues. Dynamic Fees - Dynamic Fees are calculated by the wallet to provide a timely transaction. Currently a lot of these fees are not efficient enough. In the Electrum tutorial above, I explain how to do this.

Use <http://bitcoinfees.21.co/> - You can calculate an optimal fee for your transaction. If your wallet does not support Dynamic Fees and allows you to customize your own, then use this.

Upgrade Your Wallet - If your wallet does not support Dynamic Fees or a custom fee, then I recommend you upgrade to a wallet that does.

Conclusion

If you are having trouble with doing any of the above methods, feel free to post in the thread asking for help and stating what you are stuck on. Otherwise feel free to [Private Message](#) me. I hope this has helped you in some way or have learned something new. Let me know if you find any errors in this tutorial or have anything to add.

Sources

Spoiler ([Click to View](#))

<https://bitcoin.stackexchange.com/questions/10733/what-is-replace-by-fee>

https://www.reddit.com/r/Bitcoin/comments/3uphgv/eli5_what_is_rbfreplacebyfee/

<https://bitcointalk.org/index.php?topic=1701683.0>

<https://bitcointalk.org/index.php?topic=1802212.0>

<https://bitcoin.stackexchange.com/questions/49723/replace-by-fee-vs-child-pays-for-parent>

<https://iancoleman.github.io/bip39/>

Cryptic™ - May 17, 2017, 9:12 pm

Interesting but can this be abused?

i.e.

Sellers sells someone something so the buyer makes the fee intentionally small so it remains at 0 confirmations for a long time.

The seller is retarted and releases the item after he sees the transaction on the blockchain with 0 confirmations.

Buyer uses RBF and puts a high fee and sends the funds to the buyers alternate address so the seller ends up getting no money?

Edit: Is this what double spend is?

Kill Joy - May 17, 2017, 9:17 pm

(May 17, 2017 09:12 PM)Cryptic™ Wrote: [\[CITE\]](#) Interesting but can this be abused?

i.e.

Sellers sells someone something so the buyer makes the fee intentionally small so it remains at 0 confirmations for a long time.

The seller is retarted and releases the item after he sees the transaction on the blockchain with 0 confirmations.

Buyer uses RBF and puts a high fee and sends the funds to the buyers alternate address so the seller ends up getting no money?

Edit: Is this what double spend is?

Yes, this is a double spend.

No, using this won't cause scamming in the way you described. The above methods have made it so that new fee payments can only be made if it is for the same sending and receiving addresses.

Caliban - May 17, 2017, 9:18 pm

(May 17, 2017 09:12 PM)Cryptic™ Wrote: [\[CITE\]](#) Interesting but can this be abused?

i.e.

Sellers sells someone something so the buyer makes the fee intentionally small so it remains at 0 confirmations for a long time.

The seller is retarted and releases the item after he sees the transaction on the blockchain with 0 confirmations.

Buyer uses RBF and puts a high fee and sends the funds to the buyers alternate address so the seller ends up getting no money?

Edit: Is this what double spend is?
you can only increase the fee not change the address i think

also i dont think any sellers accept 0-confirmation payments nowadays

Patriot - May 17, 2017, 9:20 pm

So if I have a payment pending but I didn't check the Replaceable box when I sent it, will I still be able to edit the fee?

Kill Joy - May 17, 2017, 9:23 pm

(May 17, 2017 09:20 PM)Patriot Wrote: [\[CITE\]](#) So if I have a payment pending but I didn't check the Replaceable box when I sent it, will I still be able to edit the fee?

You will not be able to. If you had the dynamic fees option enabled, you should be fine as it already provides an adequate fee.

Fountain Of Youth - May 18, 2017, 3:03 am

Should I do this for coinbase?

xDxDxD - May 18, 2017, 3:19 am

can u decrease the fees this way?

minimalist - May 18, 2017, 3:22 am

Works with Mycelium Wallet for Android as well.

Patzan - May 18, 2017, 4:47 am

Good thing, I didn't know this thing was there all this time I was using Electrum wallet.

Mr. Reviewer - May 18, 2017, 5:25 am

question, can I use this to rush a payment I need to receive?
or does the sender need to proceed with this method?

minimalist - May 18, 2017, 5:27 am

(May 18, 2017 05:25 AM)Mr. Reviewer Wrote: [\[CITE\]](#) question, can I use this to rush a payment I need to receive?

or does the sender need to proceed with this method?

Would need the sender to go through the steps. Watch out for his CPFP tutorial :)

Kill Joy - May 18, 2017, 12:08 pm

(May 18, 2017 05:25 AM)Mr. Reviewer Wrote: [\[CITE\]](#) question, can I use this to rush a payment I need to receive?

or does the sender need to proceed with this method?

Like it was already said, the sender must use this method. You can always point him to this tutorial if you would like! Or agree with him to pay a higher fee before he sends it.

Danny Khalifa - May 18, 2017, 12:41 pm

Does this work on blockchain?

If yes, please let me know

Banadmin - May 18, 2017, 12:43 pm

This works on the Mycelium Wallet too! Nice topic ?

daymon - May 18, 2017, 12:53 pm

(May 17, 2017 09:12 PM)Cryptic™ Wrote: [\[CITE\]](#) Interesting but can this be abused?

i.e.

Sellers sells someone something so the buyer makes the fee intentionally small so it remains at 0 confirmations for a long time.

The seller is retarted and releases the item after he sees the transaction on the blockchain with 0 confirmations.

Buyer uses RBF and puts a high fee and sends the funds to the buyers alternate address so the seller ends up getting no money?

Edit: Is this what double spend is?

Double spendings always been an issue. The solution is to just not accept 0 confirmation transactions. Generally, you should wait till a transaction has a minimum of several confirmations in the block chain before releasing anything you're selling.

Also, I'd like to note. Transactions fees are typically not the issues with unconfirmed transactions. BTC has just got to the difficulty point at which we're making too many transactions between blocks, that we just cant mine in time.

Kill Joy - May 18, 2017, 1:19 pm

(May 18, 2017 12:43 PM)Banadmin Wrote: [\[CITE\]](#) This works on the Mycelium Wallet too! Nice topic ?

Will include this in the next update.

(May 18, 2017 12:53 PM)Sin+ Wrote: [\[CITE\]](#) Also, I'd like to note. Transactions fees are typically not the issues with unconfirmed transactions. BTC has just got to the difficulty point at which we're making too many transactions between blocks, that we just cant mine in time.

This is correct. The core team is also not helping it one bit.

Formal - May 18, 2017, 8:24 pm

(May 17, 2017 09:12 PM)Cryptic™ Wrote: [\[CITE\]](#) Interesting but can this be abused?

i.e.

Sellers sells someone something so the buyer makes the fee intentionally small so it remains at 0 confirmations for a long time.

The seller is retarted and releases the item after he sees the transaction on the blockchain with 0

confirmations.

Buyer uses RBF and puts a high fee and sends the funds to the buyers alternate address so the seller ends up getting no money?

Edit: Is this what double spend is?
Good question mate

Kill Joy - May 18, 2017, 8:56 pm

(May 18, 2017 08:24 PM)F?rmal Wrote: [\[CITE\]](#) Good question mate

I've already explained that this isn't possible with these methods as the updated fee must be sent as the same sender/receiver pair.

William Murderface - May 18, 2017, 8:59 pm

I assume this won't work with the blockchain web wallet
Or am I wrong?

simbeanrusso - May 18, 2017, 9:00 pm

wtf never knew this existed... gonna try it when I gamble this week

Kill Joy - May 18, 2017, 9:02 pm

(May 18, 2017 08:59 PM)William Murderface Wrote: [\[CITE\]](#) I assume this won't work with the blockchain web wallet
Or am I wrong?

Sadly blockchain does not support this option. If you have an android, you can you use mycelium which does support this option. Adding that into the OP as we speak.

Edit: Going to be doing a massive overhaul to this tutorial tonight. Expect some awesomeness. :)

Target™ - May 18, 2017, 11:38 pm

Thanks for this guide! Could you explain what mycelium is? I sent three payments yesterday on Blockchain, but nothing has confirmed, about 30-40 hours have passed...

Kill Joy - May 18, 2017, 11:40 pm

(May 18, 2017 11:38 PM)Target™ Wrote: [\[CITE\]](#) Thanks for this guide! Could you explain what mycelium is? I sent three payments yesterday on Blockchain, but nothing has confirmed, about 30-40 hours have passed...

Mycelium is a wallet for android. <https://wallet.mycelium.com/>

If anyone has an android and would like to provide a picture tutorial for RBF, please let me know!

Target™ - May 18, 2017, 11:43 pm

Damn, no android. By the way, thank you for this even though i can't do anything. :(

kashif - May 19, 2017, 12:02 am

I am following your post...sent a payment on tuesday and its still pending, i used blockchains sadly

(May 18, 2017 11:38 PM)Target™ Wrote: [\[CITE\]](#) Thanks for this guide! Could you explain what mycelium is? I sent three payments yesterday on Blockchain, but nothing has confirmed, about 30-40 hours have passed...

Omniscient - May 19, 2017, 1:34 am

Finally a decent thread I can stick.

SIM-888979 - May 19, 2017, 1:39 am

You'd have to sync the entire Blockchain on Bitcoin Core, any other alternatives for resending a Blockchain.info transaction?

Gluteus Maximus - May 19, 2017, 1:49 am

(May 18, 2017 11:40 PM)Kill Joy Wrote: [\[CITE\]](#) Mycelium is a wallet for android.
<https://wallet.mycelium.com/>

If anyone has an android and would like to provide a picture tutorial for RBF, please let me know! I'd be willing to help you out on that. I use Mycelium primarily and love using it!

Danny Khalifa - May 19, 2017, 1:56 am

As I already asked but got no answer, does this work on Blockchain?

kashif - May 19, 2017, 2:12 am

(May 19, 2017 01:39 AM)Aurora Wrote: [\[CITE\]](#) You'd have to sync the entire Blockchain on Bitcoin Core, any other alternatives for resending a Blockchain.info transaction?

been waiting three days and yet 0/3 confirmations on blockchain.info

minimalist - May 19, 2017, 5:05 am

(May 18, 2017 11:40 PM)Kill Joy Wrote: [\[CITE\]](#) Mycelium is a wallet for android.
<https://wallet.mycelium.com/>

If anyone has an android and would like to provide a picture tutorial for RBF, please let me know! My bad, was late at night and I replaced the fee of a transaction in another wallet. Mycelium only detects RBF.

cr4sh1ngd0wn - May 19, 2017, 8:37 am

nice tutorial, seems to work! ?

Sickness - May 19, 2017, 8:40 am

Hello, I used viabtc transaction accelerator yesterday and today and they accelerated my 3 transactions but they arent confirmed. Why?

Kill Joy - May 19, 2017, 8:58 am

(May 19, 2017 01:39 AM)Aurora Wrote: [\[CITE\]](#) You'd have to sync the entire Blockchain on Bitcoin Core, any other alternatives for resending a Blockchain.info transaction?
Try Armory or Electrum.

(May 19, 2017 01:56 AM)Danny Khalifa Wrote: [\[CITE\]](#) As I already asked but got no answer, does this work on Blockchain?

Only if your wallet can export your private keys. Newer wallets cannot do this.

(May 19, 2017 05:05 AM)Minimalist Wrote: [\[CITE\]](#) My bad, was late at night and I replaced the fee of a transaction in another wallet. Mycelium only detects RBF.
Damn. I'll edit that out then.

(May 19, 2017 08:40 AM)Sickness. Wrote: [\[CITE\]](#) Hello, I used viabtc transaction accelerator yesterday and today and they accelerated my 3 transactions but they arent confirmed. Why?
Viabtc has a max of 100 transactions an hour with a minimum 10 satoshi fee. It may say it has

accelerated your transactions but it likely has not.

Adding another section to the tutorial when I get off work today.

Hill - May 19, 2017, 9:33 am

I had my coins stuck in limbo for 70 hours, I had to have them in the destination account within like 24 hours or so, I had been trying for 2 days to get the btc accelerator to work but was always at capacity. Afterwards I just ended up paying a \$3usd fee as a CPFP through electrum. I was so confused at what was going on, but it all ended up great, got confirmed 3 times in like 45 minutes. Glad to have that sorted, handy tips :) :)

Sickness - May 19, 2017, 9:39 am

(May 19, 2017 09:33 AM)Hill Wrote: [\[CITE\]](#) I had my coins stuck in limbo for 70 hours, I had to have them in the destination account within like 24 hours or so, I had been trying for 2 days to get the btc accelerator to work but was always at capacity. Afterwards I just ended up paying a \$3usd fee as a CPFP through electrum. I was so confused at what was going on, but it all ended up great, got confirmed 3 times in like 45 minutes. Glad to have that sorted, handy tips :) :)

Go to viabtc and every hour they reset the accelerations, per example is the 16:55, go to the website put ur tx id and the captcha and see the clock, wait and when its the 17:00 and click and ur transaction will be accelerated.

(May 19, 2017 08:58 AM)Kill Joy Wrote: [\[CITE\]](#) snipThese are my transactions, they have more than 120sats/b

<https://blockchain.info/tx/fd9a3b69f5af4abb16392551fb37772c615e8733546cbc2f1c6dcb370745d56e>

<https://blockchain.info/tx/ec70aab9a70c6333a770855288c707428c52a65775e4bea53bc9734932703248>

homm88 - May 19, 2017, 10:04 am

Great guide, all the info contained looks to be correct from my experience also.

A writeup on how to utilize CPFP would probably help a lot of people here as it's one of the most reliable methods to help accelerate a transaction. (even if in some cases it's impossible)

One more tip I would include is the use of <https://bitcoinfees.21.co/> or an equivalent site, to find out what the recommended optimal fee for your transaction would be.

Also keep in mind that when using this together with CPFP, you should make sure that your fee is enough to cover both the parent transaction and your new transaction.

(May 19, 2017 09:39 AM)Sickness. Wrote: [\[CITE\]](#) These are my transactions, they have more than 120sats/b

<https://blockchain.info/tx/fd9a3b69f5af4abb16392551fb37772c615e8733546cbc2f1c6dcb370745d56e>

<https://blockchain.info/tx/ec70aab9a70c6333a770855288c707428c52a65775e4bea53bc9734932703248>

One option is to send additional funds to 1FXCSzrmhQiB8kKRknMhz6iptjPhjXzfAM (is it your wallet? if not, then this isn't feasible) and use it to create a new transaction that pays for the two parent transactions.

fd9a3b69f5af4abb16392551fb37772c615e8733546cbc2f1c6dcb370745d56e - 1697 bytes
ec70aab9a70c6333a770855288c707428c52a65775e4bea53bc9734932703248 - 928 bytes
new transaction you will create will probably be - 226 bytes

$1697+928+226 = 2851$ bytes total. So it will be very expensive to confirm it on a priority basis.

The second option is to just wait until the transactions get dropped from the mempool (imo chances are they won't confirm any time soon), then resend them again with better fees.

Best of luck.

Hill - May 19, 2017, 10:07 am

(May 19, 2017 10:04 AM)homm88 Wrote: [\[CITE\]](#) Great guide, all the info contained looks to be correct from my experience also.

A writeup on how to utilize CPFP would probably help a lot of people here as it's one of the most reliable methods to help accelerate a transaction. (even if in some cases it's impossible)

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Also keep in mind that when using this together with CPFP, you should make sure that your fee is enough to cover both the parent transaction and your new transaction.

It's funny looking at all the people putting basically no fee (1-30, or even 1-90satoshi/byte) there are so many of them, they really dun goofed :')

homm88 - May 19, 2017, 10:14 am

(May 19, 2017 10:07 AM)Hill Wrote: [\[CITE\]](#) It's funny looking at all the people putting basically no fee (1-30, or even 1-90satoshi/byte) there are so many of them, they really dun goofed :')

I'm most sorry for the people who use blockchain.info, even if they send with a default fee of ~100-120sat/b, it's so many of them and next to none of those confirm in a reasonable time.

Kill Joy - May 19, 2017, 10:31 am

(May 19, 2017 10:04 AM)homm88 Wrote: [\[CITE\]](#) Great guide, all the info contained looks to be correct from my experience also.

A writeup on how to utilize CPFP would probably help a lot of people here as it's one of the most reliable methods to help accelerate a transaction. (even if in some cases it's impossible)

One more tip I would include is the use of <https://bitcoinfees.21.co/> or an equivalent site, to find out what the recommended optimal fee for your transaction would be.

Also keep in mind that when using this together with CPFP, you should make sure that your fee is enough to cover both the parent transaction and your new transaction.

Thank you for the feedback. I just got off work so I'll be working on the thread some more now. Hopefully I'll have a CPFP guide written out by tonight.

Edit: New section - Avoiding Future Issues.

Edit 2: New section: Using Child-Pays-For-Parent (CPFP) Transaction

Kill Joy - May 19, 2017, 11:22 am

(May 19, 2017 11:18 AM)Fictional Wrote: [\[CITE\]](#) Don't think this thread covered it however this is how I did a CPFP with Blockchain.info (online wallet)

First of all get your (12) phrase keys from security settings in blockchain.info.

Go to <https://iancoleman.github.io/bip39/>

And enter 12 words

Then type the Mnemonic

Scroll down to Derivation Path

And copy your Extended Private Key

Or public key if you want to.

Then just import them to electrum and do a CFPF.

I was going to test this today after I found that github link last night. Glad it works. I'll be making it into a picture tutorial since a lot of users here use blockchain for a wallet.

moon79 - May 19, 2017, 2:21 pm

So what's the solution? Move all your money to Electrum Wallet or other wallets?

BottomNotch - May 19, 2017, 8:28 pm

I really like your guide for double spending/fee replacing, just a comment:

A site I use to double spend / even regular spend is: <https://coinb.in/> or his script <https://github.com/OutCast3k/coinbin/archive/master.zip>

What's required?:

Bitcoin private key obviously

The transaction not be in coinb.in's / blockr.io's mem pool (note if you download the script you can edit in more sites)

Steps:

- 1) New (top left) -> Transaction
- 2) Enter in your BTC address for example: 1P9BNgX8xujXv8AwxFyvuyL5H1SddyXPn & click load
- 3) Go to outputs and type in new/old address and amount you want to send
- 4) Generate the unsigned transaction
- 5) Go to sign (in the top bar) and enter in your private key and unsigned transaction
- 6) Use your favorite broadcasting site to broadcast the transaction.

Just another option for those who need to do this.

Kill Joy - May 19, 2017, 9:02 pm

(May 19, 2017 08:28 PM)BottomNotch Wrote: [\[CITE\]](#) I really like your guide for double spending/fee replacing, just a comment:

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- 1) New (top left) -> Transaction
- 2) Enter in your BTC address for example: 1P9BNgX8xujXv8AwxFyvuyL5H1SddyXPn & click load
- 3) Go to outputs and type in new/old address and amount you want to send
- 4) Generate the unsigned transaction
- 5) Go to sign (in the top bar) and enter in your private key and unsigned transaction
- 6) Use your favorite broadcasting site to broadcast the transaction.

Just another option for those who need to do this.

Interesting. Never heard of that site. I'll look into this tonight or tomorrow. Currently going to the movies. Will add how blockchain users can fix their 0 confirmations too.

Parks - May 20, 2017, 9:55 am

How well would you say pushtx.btc accelerator works for speeding up confirmations?

BottomNotch - May 20, 2017, 10:20 am

(May 20, 2017 09:55 AM)Parks Wrote: [\[CITE\]](#) How well would you say pushtx.btc accelerator works for speeding up confirmations?

I believe it does, they have an extremely large presence in the pooling community. That being said, they only accept payments via alipay. So... Hmu if you can find someone with a chinese bank account?

Parks - May 20, 2017, 10:22 am

(May 20, 2017 10:20 AM)BottomNotch Wrote: [\[CITE\]](#) I believe it does, they have an extremely large presence in the pooling community. That being said, they only accept payments via alipay. So... Hmu if you can find someone with a chinese bank account?

This all makes sense why I couldn't even scan the bitcoin barcode.

Web-Weave - May 21, 2017, 8:01 am

Great post, will help many users

ZuGgY - May 21, 2017, 12:42 pm

Congrats on getting the thread finally stickied. Well deserved. Seemed to help me when I did this, even though I ran into a hiccup, but Kill Joy was nice enough to PM me for extra help.

Nutricional - May 21, 2017, 12:45 pm

Very interesting, thanks!

Cyam - May 21, 2017, 1:56 pm

Have a good news for people with this problem.

Just sent a \$21 BTC transaction with \$3 fee and it got confirmed within 15 minutes.

Lose a bit of your money and have a fast confirmation,

Or don't lose a bit of your money and wait 24+ hours.

McDolands - May 21, 2017, 2:58 pm

I'm glad omni sticked this, this is hella good

BottomNotch - May 21, 2017, 10:17 pm

(May 21, 2017 01:56 PM)Cyam Wrote: [\[CITE\]](#) Have a good news for people with this problem.

Just sent a \$21 BTC transaction with \$3 fee and it got confirmed within 15 minutes.

Lose a bit of your money and have a fast confirmation,

Or don't lose a bit of your money and wait 24+ hours.

Any transaction with fees under .0004 BTC probably won't confirm in over 72 hours with how backed up the chain is: <https://blockchain.info/unconfirmed-transactions>

SIM-3051398 - May 22, 2017, 4:33 am

Just followed through with this method its working I can see my balances however before all this happened I had \$440 in my wallet, now it says i only have 200.... and im yet to have my bustabit deposite and its been 2-3 days yikes.

FWOOP - May 22, 2017, 8:34 am

btw this is going to last for the foreseeable future, until core stops being fuckwits

Devils Lettuce - May 22, 2017, 1:08 pm

hoping op can fix my transaction before it expires. check ya pms op!!

lucky. - May 22, 2017, 1:58 pm

(May 21, 2017 10:17 PM)BottomNotch Wrote: [\[CITE\]](#) Any transaction with fees under .0004 BTC probably won't confirm in over 72 hours with how backed up the chain is:

<https://blockchain.info/unconfirmed-transactions>

You think a fee of 0.00169228 will? Been about 24h now.

Hoping not, because newegg support has 0 idea about bitcoin and so basically if it goes through within the next day or two I'm shit out of money.

FWOOP - May 22, 2017, 2:09 pm

(May 22, 2017 01:58 PM)lucky. Wrote: [\[CITE\]](#) You think a fee of 0.00169228 will? Been about 24h now.

Hoping not, because newegg support has 0 idea about bitcoin and so basically if it goes through within the next day or two I'm shit out of money.

my payment to a dnm took close to 40 hours to go through, did eventually though. so unfortunately it probably will.

Miraisalam - May 22, 2017, 2:18 pm

Appreciate the thread, had a particular issue with a transaction being unconfirmed for over a week. It kept re-submitting but not confirming. Contacted a miner and got it resolved.

Patriot - May 22, 2017, 7:00 pm

Help! My transaction says its a double-spend and has been unconfirmed for a longggg time.

<https://blockchain.info/tx/3848e25aec90497e3c70b90ddac623853efdf99a569199cdcef4b9afa97a717f>

Will it fix itself or am I screwed?

homm88 - May 23, 2017, 12:04 pm

(May 22, 2017 07:00 PM)Patriot Wrote: [\[CITE\]](#) Help! My transaction says its a double-spend and has been unconfirmed for a longggg time.

<https://blockchain.info/tx/3848e25aec90497e3c70b90ddac623853efdf99a569199cdcef4b9afa97a717f>

Will it fix itself or am I screwed?

Both of the two transactions are essentially the same - same amount of btc, same addr, almost same fee.

On the positive side, you're not screwed by a double spend.

On the negative side, the transaction(s) is with 100sat/B fee, which is really low.

<https://bitcoinfees.21.co/> you can see how many other transactions are in the backlog here, the ones with highest fees get prioritized first so you might have to keep waiting for a while.

Best of luck.

sonex - May 24, 2017, 12:32 pm

So I'm reading this and I can swear I've seen this already -

<https://bitcointalk.org/index.php?topic=1802212.0>

Not cool not giving credits since you copied almost half of it... you did add screenshots and steps but it's the same shit. Nhf though but it's unfair taking credits for something someone else posted almost 4 months ago...

Kill Joy - May 24, 2017, 5:47 pm

(May 24, 2017 12:32 PM)sonex Wrote: [\[CITE\]](#) So I'm reading this and I can swear I've seen this already - <https://bitcointalk.org/index.php?topic=1802212.0>

Not cool not giving credits since you copied almost half of it... you did add screenshots and steps but it's the same shit. Nhf though but it's unfair taking credits for something someone else posted almost 4 months ago...

No, you're right. I never added the list of sources to give credits for most of RBF and CPFP information. It has been updated now, thanks.

MX-5 - May 27, 2017, 4:02 am

I have some of my btc in a website which uses very low fee and no options to change it.

Is there way to boost the fee by rebroadcasting the transaction from some other site?

J?son - May 27, 2017, 8:23 am

hopefully this shit will be fixed by august 1st

shifty1337 - June 12, 2017, 2:29 pm

Thank you so much for this ! I was looking for something like this

NurSpec - June 13, 2017, 10:41 am

Surprisingly haven't read this thread yet and I feel stupid for not doing so earlier. I can see the amount of time and effort you have put into this thread and boy does it show. I learnt a thing or two, that's for sure.

Thank you and fantastic job OP!

koRvAc - June 13, 2017, 7:33 pm

So I'm sitting here still trying to grasp this whole bitcoin thing. So would this analogy hold any truth... Paypal is to AT&T as Bitcoin is to Metro PCS...?

Kill Joy - June 13, 2017, 7:35 pm

(Jun 13, 2017 07:33 PM)koRvAc Wrote: [\[CITE\]](#) So I'm sitting here still trying to grasp this whole bitcoin thing. So would this analogy hold any truth... Paypal is to AT&T as Bitcoin is to Metro PCS...? Not sure if that's a good analogy when both services get 4G LTE.

Debugger - June 13, 2017, 7:42 pm

well that's really a detailed information about all
thankyou so much bro let me try this one on my one pending transaction from last night,

Kill Joy - June 13, 2017, 8:37 pm

(Jun 13, 2017 07:42 PM)JakeSparow Wrote: [\[CITE\]](#) well that's really a detailed information about all
thankyou so much bro let me try this one on my one pending transaction from last night,
Let me know if you're unable to figure it out!

jayblue - June 15, 2017, 11:30 am

Hey, It's good to learn some more about bitcoin everyday. This is some interesting stuff.

rudel777 - June 18, 2017, 8:35 pm

very helpful thread thanks for this keep sharing

Barney - June 19, 2017, 11:21 am

This is an awesome thread! I actually never knew it was possible to do anything about those damn unconfirmed transactions.

Thanks so much for sharing this!!

MrsMiner - June 20, 2017, 11:42 am

Should I do this for coinbase?

Kill Joy - June 20, 2017, 2:01 pm

(Jun 20, 2017 11:42 AM)MrsMiner Wrote: [\[CITE\]](#) Should I do this for coinbase?
You cannot do this for Coinbase, sorry.

OG ? - July 21, 2017, 7:38 am

Great guide, very helpful thread thx Joy .

Omniscient - July 30, 2017, 3:58 pm

I am going to make this a sticky for one week.

Kill Joy - July 30, 2017, 4:07 pm

(Jul 30, 2017 03:58 PM)Omniscient Wrote: [\[CITE\]](#) I am going to make this a sticky for one week.
This was already a sticky, do you mean it will be up for one more week?

Aqua_fina - August 4, 2017, 6:42 pm

(Jul 30, 2017 04:07 PM)Kill Joy Wrote: [\[CITE\]](#) This was already a sticky, do you mean it will be up for one more week?

Probably because almost everyone gets fast confirmations currently

NZT - August 6, 2017, 2:14 pm

(May 17, 2017 09:07 PM)Kill Joy Wrote: [\[CITE\]](#) How do I get a miner or pool to confirm my transaction?

Some miners and pools offer services to prioritize your transaction. You may contact them and ask if they will take a payment to include your transaction. Many users have linked to

<https://www.viabtc.com/tools/txaccelerator/> but it may not necessarily work for you as it has a limit of 100 transactions per hour.

This link seems to be dead - do you know any pools that offer a similar service?

Kill Joy - August 6, 2017, 2:23 pm

(Aug 6, 2017 02:14 PM)NZT Wrote: [\[CITE\]](#) This link seems to be dead - do you know any pools that offer a similar service?

<https://pool.viabtc.com/tools/txaccelerator/>

I'll update it. Thanks.

Germany69420 - August 7, 2017, 7:03 am

Very interesting thread thank you!

Meow - August 18, 2017, 1:55 pm

(Aug 6, 2017 02:23 PM)Kill Joy Wrote: [\[CITE\]](#) <https://pool.viabtc.com/tools/txaccelerator/>

I'll update it. Thanks.

Thank a lot for this tutorial!

?

masterpill - August 18, 2017, 2:35 pm

Awesome tutorial man! Keep it up.

Kill Joy - August 21, 2017, 4:24 pm

(Aug 18, 2017 02:35 PM)masterpill Wrote: [\[CITE\]](#) Awesome tutorial man! Keep it up.
Thank you! I see this is becoming more common right now.

Kill Joy - August 26, 2017, 12:22 am

This will be helpful to everyone with 0 confirms the past few days.

Kill Joy - December 1, 2017, 6:22 pm

Bringing this back up because a lot of people are having these problems again.

Kill Joy - December 6, 2017, 6:55 pm

I have people PMing me about confirming transactions. Bringing this back up for you people.

ErudiN - December 8, 2017, 6:39 am

I do everything like u said with "Child Pays For Parent - Blockchain Tutorial"

But when i open Electrum app and everything, it wont show me my history, so i can find my unconfirmed transaction. What should be there problem? i was doing all step by step and all good

AyyLmao0o - December 8, 2017, 9:10 am

(Dec 8, 2017 07:39 AM)ErudiN Wrote: [\[CITE\]](#) I do everything like u said with "Child Pays For Parent - Blockchain Tutorial"

But when i open Electrum app and everything, it wont show me my history, so i can find my unconfirmed transaction. What should be there problem? i was doing all step by step and all good
I had that problem at first, my unconfirmed transaction seemingly disappeared but I just left it open and then it popped up about 30 mins later, so try waiting it out.

Cain_ - December 8, 2017, 9:30 am

Awesome post with a lot of great information. Thank you very much. I really appreciate your time writing this tutorial.

kournikovax - December 10, 2017, 8:59 pm

Really helpful guide.

Kill Joy - December 11, 2017, 4:18 pm

(Dec 8, 2017 10:30 AM)GoldenEra Wrote: [\[CITE\]](#) Awesome post with a lot of great information. Thank you very much. I really appreciate your time writing this tutorial.

(Dec 10, 2017 09:59 PM)kournikovax Wrote: [\[CITE\]](#) Really helpful guide. Thank you! Glad to be of help.

GhostLikesToast - December 11, 2017, 4:48 pm

Wow Kill Joy this is a very well done tutorial I must say. I've never seen anything on this topic be this detailed and thorough.

I have a small suggestion on something to add to part of it, under the section "How do I get a miner or pool to confirm my transaction?" where you have a link to a TX accelerator that is almost always at it's hourly submissions limit, I suggest that you add the following site there also, because it's worked 100% of the time for me so far.

- <http://confirmtx.com/>

This site accelerates transactions for free if it's under 400 bytes in size, anything more they will do for a \$4 fee(good deal if you're sending a good amount of BTC at once.)

Hopefully you will agree with my suggestion, but either way, thank you for your HQ contribution to HackForums!

~GhostLikesToast

Kill Joy - December 11, 2017, 9:03 pm

(Dec 11, 2017 05:48 PM)GhostLikesToast Wrote: [\[CITE\]](#) Wow Kill Joy this is a very well done tutorial I must say. I've never seen anything on this topic be this detailed and thorough.

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Hopefully you will agree with my suggestion, but either way, thank you for your HQ contribution to HackForums!

~GhostLikesToast

Thanks for the suggestion, but I know who runs the site and I know how it works. I do not suggest it to people.

GhostLikesToast - December 12, 2017, 3:20 pm

(Dec 11, 2017 10:03 PM)Kill Joy Wrote: [\[CITE\]](#) Thanks for the suggestion, but I know who runs the site and I know how it works. I do not suggest it to people.

May I ask why? Is there something bad about using that site? If so please let me know D:

Kill Joy - December 12, 2017, 5:11 pm

(Dec 12, 2017 04:20 PM)GhostLikesToast Wrote: [\[CITE\]](#) May I ask why? Is there something bad about using that site? If so please let me know D:

Just use a real pool. Contact them.

Kill Joy - May 22, 2020, 11:56 am

Some pictures currently don't work but you should get the idea.