

Bitcoin Core version 0.13.2 is now available from:

<https://bitcoin.org/bin/bitcoin-core-0.13.2/>

This is a new minor version release, including various bugfixes and performance improvements, as well as updated translations.

Please report bugs using the issue tracker at github:

<https://github.com/bitcoin/bitcoin/issues>

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Compatibility

Microsoft ended support for Windows XP on [April 8th, 2014](#), an OS initially released in 2001. This means that not even critical security updates will be released anymore. Without security updates, using a bitcoin wallet on a XP machine is irresponsible at least.

In addition to that, with 0.12.x there have been varied reports of Bitcoin Core randomly crashing on Windows XP. It is [not clear](#) what the source of these crashes is, but it is likely that upstream libraries such as Qt are no longer being tested on XP.

We do not have time nor resources to provide support for an OS that is end-of-life. From 0.13.0 on, Windows XP is no longer supported. Users are suggested to upgrade to a newer version of Windows, or install an alternative OS that is supported.

No attempt is made to prevent installing or running the software on Windows XP, you can still do so at your own risk, but do not expect it to work: do not report issues about Windows XP to the issue tracker.

From 0.13.1 onwards OS X 10.7 is no longer supported. 0.13.0 was intended to work on 10.7+, but severe issues with the libc++ version on 10.7.x keep it from running reliably. 0.13.1 now requires 10.8+, and will communicate that to 10.7 users, rather than crashing unexpectedly.

Notable changes

Change to wallet handling of mempool rejection

When a newly created transaction failed to enter the mempool due to the limits on chains of unconfirmed transactions the sending RPC calls would return an error. The transaction would still be queued in the wallet and, once some of the parent transactions were confirmed, broadcast after the software was restarted.

This behavior has been changed to return success and to reattempt mempool insertion at the same time transaction rebroadcast is attempted, avoiding a need for a restart.

Transactions in the wallet which cannot be accepted into the mempool can be abandoned with the previously existing abandontransaction RPC (or in the GUI via a context menu on the transaction).

0.13.2 Change log

Detailed release notes follow. This overview includes changes that affect behavior, not code moves, refactors and string updates. For convenience in locating the code changes and accompanying discussion, both the pull request and git merge commit are mentioned.

Consensus

- #9293 [e591c10](#) [0.13 Backport #9053] IBD using chainwork instead of height and not using header timestamp (gmaxwell)
- #9053 [5b93eee](#) IBD using chainwork instead of height and not using header timestamps (gmaxwell)

RPC and other APIs

- #8845 [1d048b9](#) Don't return the address of a P2SH of a P2SH (jnewbery)
- #9041 [87fbced](#) keypoololdest denote Unix epoch, not GMT (s-matthew-english)
- #9122 [f82c81b](#) fix getnettotals RPC description about timemillis (visvirial)
- #9042 [5bcb05d](#) [rpc] ParseHash: Fail when length is not 64 (MarcoFalke)
- #9194 [f26dab7](#) Add option to return non-segwit serialization via rpc (instagibbs)
- #9347 [b711390](#) [0.13.2] wallet/rpc backports (MarcoFalke)
- #9292 [c365556](#) Complain when unknown rpcserialversion is specified (sipa)
- #9322 [49a612f](#) [qa] Don't set unknown rpcserialversion (MarcoFalke)

Block and transaction handling

- #8357 [ce0d817](#) [mempool] Fix relaypriority calculation error (maiiz)
- #9267 [0a4aa87](#) [0.13 backport #9239] Disable fee estimates for a confirm target of 1 block (morcos)
- #9196 [0c09d9f](#) Send tip change notification from invalidateblock (ryanofsky)

P2P protocol and network code

- #8995 [9ef3875](#) Add missing cs_main lock to ::GETBLOCKTXN processing (TheBlueMatt)
- #9234 [94531b5](#) torcontrol: Explicitly request RSA1024 private key (laanwj)
- #8637 [2cad5db](#) Compact Block Tweaks (rebase of #8235) (sipa)
- #9058 [286e548](#) Fixes for p2p-compactblocks.py test timeouts on travis (#8842) (ryanofsky)
- #8865 [4c71fc4](#) Decouple peer-processing-logic from block-connection-logic (TheBlueMatt)
- #9117 [6fe3981](#) net: don't send feefilter messages before the version handshake is complete (theuni)
- #9188 [ca1fd75](#) Make orphan parent fetching ask for witnesses (gmaxwell)
- #9052 [3a3bcbf](#) Use RelevantServices instead of node_network in AttemptToEvict (gmaxwell)
- #9048 [9460771](#) [0.13 backport #9026] Fix handling of invalid compact blocks (sdaftuar)
- #9357 [03b6f62](#) [0.13 backport #9352] Attempt reconstruction from all compact block announcements (sdaftuar)
- #9189 [b96a8f7](#) Always add default_witness_commitment with GBT client support (sipa)
- #9253 [28d0f22](#) Fix calculation of number of bound sockets to use (TheBlueMatt)
- #9199 [da5a16b](#) Always drop the least preferred HB peer when adding a new one (gmaxwell)

Build system

- #9169 [d1b4da9](#) build: fix qt5.7 build under macOS (theuni)
- #9326 [a0f7ece](#) Update for OpenSSL 1.1 API (gmaxwell)
- #9224 [396c405](#) Prevent FD_SETSIZE error building on OpenBSD (ivdsangen)

GUI

- #8972 [6f86b53](#) Make warnings label selectable (jonasschnelli) (MarcoFalke)

- #9185 6d70a73 Fix coincontrol sort issue (jonasschnelli)
- #9094 5f3a12c Use correct conversion function for boost::path::path::parent_path (laanwj)
- #8908 4a974b2 Update bitcoin-qt.desktop (s-matthew-english)
- #9190 dc46b10 Plug many memory leaks (laanwj)

Wallet

- #9290 35174a0 Make RelayWalletTransaction attempt to AcceptToMemoryPool (gmaxwell)
- #9295 43bcfca Bugfix: Fundrawtransaction: don't terminate when keypool is empty (jonasschnelli)
- #9302 f5d606e Return txid even if ATMP fails for new transaction (sipa)
- #9262 fe39f26 Prefer coins that have fewer ancestors, sanity check txn before ATMP (instagibbs)

Tests and QA

- #9159 eca9b46 Wait for specific block announcement in p2p-compactblocks (ryanofsky)
- #9186 dccc3a Fix use-after-free in scheduler tests (laanwj)
- #9168 3107280 Add assert_raises_message to check specific error message (mrbandrews)
- #9191 29435db 0.13.2 Backports (MarcoFalke)
- #9077 1d4c884 Increase wallet-dump RPC timeout (ryanofsky)
- #9098 ecd7db5 Handle zombies and cluttered tmpdirs (MarcoFalke)
- #8927 387ec9d Add script tests for FindAndDelete in pre-segwit and segwit scripts (jl2012)
- #9200 eebc699 bench: Fix subtle counting issue when rescaling iteration count (laanwj)

Miscellaneous

- #8838 094848b Calculate size and weight of block correctly in CreateNewBlock() (jnewbery)
- #8920 40169dc Set minimum required Boost to 1.47.0 (fanquake)
- #9251 a710a43 Improvement of documentation of command line parameter 'whitelist' (wodry)
- #8932 106da69 Allow bitcoin-tx to create v2 transactions (btcdrak)
- #8929 12428b4 add software-properties-common (sigwo)
- #9120 08d1c90 bug: Missed one "return false" in recent refactoring in #9067 (UdjinM6)
- #9067 f85ee01 Fix exit codes (UdjinM6)
- #9340 fb987b3 [0.13] Update secp256k1 subtree (MarcoFalke)
- #9229 b172377 Remove calls to getaddrinfo_a (TheBlueMatt)

Credits

Thanks to everyone who directly contributed to this release:

- Alex Morcos
- BtcDrak
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- Gregory Sanders
- instagibbs
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- Johnson Lau
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- wodry

As well as everyone that helped translating on [Transifex](#).