

Bitcoin Core version 0.10.1 is now available from:

<https://bitcoin.org/bin/bitcoin-core-0.10.1/>

This is a new minor version release, bringing bug fixes and translation updates. It is recommended to upgrade to this version.

Please report bugs using the issue tracker at github:

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

## Upgrading and downgrading

### How to Upgrade

If you are running an older version, shut it down. Wait until it has completely shut down (which might take a few minutes for older versions), then run the installer (on Windows) or just copy over /Applications/Bitcoin-Qt (on Mac) or bitcoind/bitcoin-qt (on Linux).

### Downgrade warning

Because release 0.10.0 and later makes use of headers-first synchronization and parallel block download (see further), the block files and databases are not backwards-compatible with pre-0.10 versions of Bitcoin Core or other software:

- Blocks will be stored on disk out of order (in the order they are received, really), which makes it incompatible with some tools or other programs. Reindexing using earlier versions will also not work anymore as a result of this.
- The block index database will now hold headers for which no block is stored on disk, which earlier versions won't support.

If you want to be able to downgrade smoothly, make a backup of your entire data directory. Without this your node will need start syncing (or importing from bootstrap.dat) anew afterwards. It is possible that the data from a completely synchronised 0.10 node may be usable in older versions as-is, but this is not supported and may break as soon as the older version attempts to reindex.

This does not affect wallet forward or backward compatibility.

### Notable changes

This is a minor release and hence there are no notable changes. For the notable changes in 0.10, refer to the release notes for the 0.10.0 release at <https://github.com/bitcoin/bitcoin/blob/v0.10.0/doc/release-notes.md>

## 0.10.1 Change log

Detailed release notes follow. This overview includes changes that affect external behavior, not code moves, refactors or string updates.

RPC: - 7f502be fix crash: createmultisig and addmultisigaddress - eae305f Fix missing lock in submitblock

Block (database) and transaction handling: - 1d2cdd2 Fix InvalidateBlock to add chainActive.Tip to setBlockIndexCandidates - c91c660 fix InvalidateBlock to repopulate setBlockIndexCandidates - 002c8a2 fix possible block db breakage during re-index - a1f425b Add (optional) consistency check for the block chain data structures - 1c62e84 Keep mempool consistent during block-reorgs - 57d1f46 Fix CheckBlockIndex for reindex - bac6fca Set nSequenceId when a block is fully linked

P2P protocol and network code: - 78f64ef don't trickle for whitelisted nodes - ca301bf Reduce fingerprinting through timestamps in 'addr' messages. - 200f293 Ignore getaddr messages on Outbound connections. - d5d8998 Limit message sizes before transfer - aeb9279 Better fingerprinting protection for non-main-chain getdatas. - cf0218f Make addrman's bucket placement deterministic (countermeasure 1 against eclipse attacks, see <http://cs-people.bu.edu/heilman/eclipse/>) - 0c6f334 Always use a 50% chance to choose between tried and new entries (countermeasure 2 against eclipse attacks) - 214154e Do not bias outgoing connections towards fresh addresses (countermeasure 2 against eclipse attacks) - aa587d4 Scale up addrman (countermeasure 6 against eclipse attacks) - 139cd81 Cap nAttempts penalty at 8 and switch to pow instead of a division loop

Validation: - d148f62 Acquire CCheckQueue's lock to avoid race condition

Build system: - 8752b5c 0.10 fix for crashes on OSX 10.6

Wallet: - N/A

GUI: - 2c08406 some mac specify cleanup (memory handling, unnecessary code) - 81145a6 fix OSX dock icon window reopening - 786cf72 fix a issue where "command line options"-action overwrite "Preference"-action (on OSX)

Tests: - 1117378 add RPC test for InvalidateBlock

Miscellaneous: - c9e022b Initialization: set Boost path locale in main thread - 23126a0 Sanitize command strings before logging them. - 323de27 Initialization: setup environment before starting Qt tests - 7494e09 Initialization: setup environment before starting tests - df45564 Initialization: set fallback locale as environment variable

## Credits

Thanks to everyone who directly contributed to this release:

- Alex Morcos
- Cory Fields
- dexX7
- fsb4000
- Gavin Andresen
- Gregory Maxwell
- Ivan Pustogarov
- Jonas Schnelli
- Matt Corallo
- mrbandrews
- Pieter Wuille
- Ruben de Vries
- Suhas Daftuar
- Wladimir J. van der Laan

And all those who contributed additional code review and/or security research: -  
21E14 - Alison Kendler - Aviv Zohar - Ethan Heilman - Evil-Knievel - fanquake  
- Jeff Garzik - Jonas Nick - Luke Dashjr - Patrick Strateman - Philip Kaufmann  
- Sergio Demian Lerner - Sharon Goldberg

As well as everyone that helped translating on Transifex.