Bitcoin Core version 0.17.1 is now available from:

https://bitcoincore.org/bin/bitcoin-core-0.17.1/

or through BitTorrent:

```
magnet:?xt=urn:btih:c56c87ccfaa8e6fbccc90d549121e61efd97cb6f&dn=bitcoin-core-
0.17.1&tr=udp%3A%2F%2Ftracker.openbittorrent.com%3A80&tr=udp%3A%2F%2Ftracker.opentrackr.org%3A1337&tr=udp%3A%2F%2Ftracker.coppersurf
paradise.org%3A6969&tr=udp%3A%2F%2Fzer0day.ch%3A1337&tr=udp%3A%2F%2Fexplodie.org%3A6969
```

This is a new minor version release, with 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

To receive security and update notifications, please subscribe to:

https://bitcoincore.org/en/list/announcements/join/

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).

If your node has a txindex, the txindex db will be migrated the first time you run 0.17.0 or newer, which may take up to a few hours. Your node will not be functional until this migration completes.

The first time you run version 0.15.0 or newer, your chainstate database will be converted to a new format, which will take anywhere from a few minutes to half an hour, depending on the speed of your machine.

Note that the block database format also changed in version 0.8.0 and there is no automatic upgrade code from before version 0.8 to version 0.15.0. Upgrading directly from 0.7.x and earlier without redownloading the blockchain is not supported. However, as usual, old wallet versions are still supported.

Downgrading warning

The chainstate database for this release is not compatible with previous releases, so if you run 0.15 and then decide to switch back to any older version, you will need to run the old release with the `-reindex-chainstate` option to rebuild the chainstate data structures in the old format.

If your node has pruning enabled, this will entail re-downloading and processing the entire blockchain.

Compatibility

Bitcoin Core is extensively tested on multiple operating systems using the Linux kernel, macOS 10.10+, and Windows 7 and newer (Windows XP is not supported).

Bitcoin Core should also work on most other Unix-like systems but is not frequently tested on them.

From 0.17.0 onwards macOS <10.10 is no longer supported. 0.17.0 is built using Qt 5.9.x, which doesn't support versions of macOS older than 10.10.

Notable changes

`listtransactions` label support

The `listtransactions` RPC `account` parameter which was deprecated in 0.17.0 and renamed to `dummy` has been un-deprecated and renamed again to `label`.

When bitcoin is configured with the `-deprecatedrpc=accounts` setting, specifying a label/account/dummy argument will return both outgoing and incoming transactions. Without the `-deprecatedrpc=accounts` setting, it will only return incoming transactions (because it used to be possible to create transactions spending from specific accounts, but this is no longer possible with labels).

When `-deprecatedrpc=accounts` is set, it's possible to pass the empty string "" to list transactions that don't have any label. Without `-deprecatedrpc=accounts`, passing the empty string is an error because returning only non-labeled transactions is not generally useful behavior and can cause confusion.

0.17.1 change log

P2P protocol and network code

- #14685 `9406502` Fix a deserialization overflow edge case (kazcw)
- #14728 `b901578` Fix uninitialized read when stringifying an addrLocal (kazcw)

Wallet

- #14441 `5150acc` Restore ability to list incoming transactions by label (jnewbery)
- #13546 `91fa15a` Fix use of uninitialized value `bnb_used` in CWallet::CreateTransaction(...) (practicalswift)
- #14310 `bb90695` Ensure wallet is unlocked before signing (gustavonalle)
- #14690 `5782fdc` Throw error if CPubKey is invalid during PSBT keypath serialization (instagibbs)
- #14852 `2528443` backport: [tests] Add `wallet_balance.py` (MarcoFalke)
- #14196 `3362a95` psbt: always drop the unnecessary utxo and convert non-witness utxo to witness when necessary (achow101)
- #14588 `70ee1f8` Refactor PSBT signing logic to enforce invariant and fix signing bug (gwillen)

- #14424 `89a9a9d` Stop requiring imported pubkey to sign non-PKH schemes (sipa, MeshCollider)

RPC and other APIs

- #14417 `fb9ad04` Fix listreceivedbyaddress not taking address as a string (etscrivner)
- #14596 `de5e48a` Bugfix: RPC: Add `address_type` named param for createmultisig (luke-jr)
- #14618 `9666dba` Make HTTP RPC debug logging more informative (practicalswift)
- #14197 `7bee414` [psbt] Convert non-witness UTXOs to witness if witness sig created (achow101)
- #14377 `a3fe125` Check that a separator is found for psbt inputs, outputs, and global map (achow101)
- #14356 `7a590d8` Fix converttopsbt permitsigdata arg, add basic test (instagibbs)
- #14453 `75b5d8c` Fix wallet unload during walletpassphrase timeout (promag)

GUI

- #14403 `0242b5a` Revert "Force TLS1.0+ for SSL connections" (real-or-random)
- #14593 `df5131b` Explicitly disable "Dark Mode" appearance on macOS (fanquake)

Build system

- #14647 `7edebed` Remove illegal spacing in darwin.mk (ch4ot1c)
- #14698 `ec71f06` Add bitcoin-tx.exe into Windows installer (ken2812221)

Tests and QA

- #13965 `29899ec` Fix extended functional tests fail (ken2812221)
- #14011 `9461f98` Disable wallet and address book Qt tests on macOS minimal platform (ryanofsky)
- #14180 `86fadee` Run all tests even if wallet is not compiled (MarcoFalke)
- #14122 `8bc1bad` Test `rpc_help.py` failed: Check whether ZMQ is enabled or not (Kvaciral)
- #14101 `96dc936` Use named args in validation acceptance tests (MarcoFalke)
- #14020 `24d796a` Add tests for RPC help (promag)
- #14052 `7ff32a6` Add some actual witness in `rpc_rawtransaction` (MarcoFalke)
- #14215 `b72fbab` Use correct python index slices in example test (sdaftuar)
- #14024 `06544fa` Add `TestNode::assert_debug_log` (MarcoFalke)
- #14658 `60f7a97` Add test to ensure node can generate all rpc help texts at runtime (MarcoFalke)
- #14632 `96f15e8` Fix a comment (fridokus)
- #14700 `f9db08e` Avoid race in `p2p_invalid_block` by waiting for the block request (MarcoFalke)
- #14845 `67225e2` Add `wallet_balance.py` (jnewbery)

Documentation

- #14161 `5f51fd6` doc/descriptors.md tweaks (ryanofsky)
- #14276 `85aacc4` Add autogen.sh in ARM Cross-compilation (walterwhite81)

Credits

Thanks to everyone who directly contributed to this release:

- Andrew Chow
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