

Bitcoin Core version 0.9.2.1 is now available from:

<https://bitcoin.org/bin/0.9.2.1/>

This is a new minor version release, bringing mostly bug fixes and some minor improvements. OpenSSL has been updated because of a security issue (CVE-2014-0224). Upgrading to this release is recommended.

Please report bugs using the issue tracker at github:

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

## 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 you are upgrading from version 0.7.2 or earlier, the first time you run 0.9.2.1 your blockchain files will be re-indexed, which will take anywhere from 30 minutes to several hours, depending on the speed of your machine.

## Downgrading warnings

The 'chainstate' for this release is not always compatible with previous releases, so if you run 0.9.x and then decide to switch back to a 0.8.x release you might get a blockchain validation error when starting the old release (due to 'pruned outputs' being omitted from the index of unspent transaction outputs).

Running the old release with the -reindex option will rebuild the chainstate data structures and correct the problem.

Also, the first time you run a 0.8.x release on a 0.9 wallet it will rescan the blockchain for missing spent coins, which will take a long time (tens of minutes on a typical machine).

## Important changes

### Gitian OSX build

The deterministic build system that was already used for Windows and Linux builds is now used for OSX as well. Although the resulting executables have been tested quite a bit, there could be possible regressions. Be sure to report these on the Github bug tracker mentioned above.

### Compatibility of Linux build

For Linux we now build against Qt 4.6, and filter the symbols for libstdc++ and glibc. This brings back compatibility with

- Debian 6+ / Tails
- Ubuntu 10.04
- CentOS 6.5

## 0.9.2 - 0.9.2.1 Release notes

The OpenSSL dependency in the gitian builds has been upgraded to 1.0.1h because of CVE-2014-0224.

RPC:

- Add `getwalletinfo` , `getblockchaininfo` and `getnetworkinfo` calls (will replace hodge-podge `getinfo` at some point)
- Add a `relayfee` field to `getnetworkinfo`
- Fix RPC related shutdown hangs and leaks
- Always show syncnode in `getpeerinfo`
- `sendrawtransaction` : report the reject code and reason, and make it possible to re-send transactions that are already in the mempool
- `getmininginfo` show right `genproclimit`

#### Command-line options:

- Fix `-printblocktree` output
- Show error message if `ReadConfigFile` fails

#### Block-chain handling and storage:

- Fix for `GetBlockValue()` after block 13,440,000 (BIP42)
- Upgrade `leveldb` to 1.17

#### Protocol and network code:

- Per-peer block download tracking and stalled download detection
- Add new DNS seed from `bitnodes.io`
- Prevent socket leak in `ThreadSocketHandler` and correct some proxy related socket leaks
- Use `pnode->nLastRecv` as sync score (was the wrong way around)

#### Wallet:

- Make `GetAvailableCredit` run `GetHash()` only once per transaction (performance improvement)
- Lower `paytxfee` warning threshold from 0.25 BTC to 0.01 BTC
- Fix `importwallet` `nTimeFirstKey` (trigger necessary rescans)
- Log `BerkeleyDB` version at startup
- `CWallet` init fix

#### Build system:

- Add OSX build descriptors to `gitian`
- Fix explicit `--disable-qt-dbus`
- Don't require `db_cxx.h` when compiling with wallet disabled and GUI enabled
- Improve missing boost error reporting
- Upgrade `miniupnpc` version to 1.9
- `gitian-linux`: `--enable-glibc-back-compat` for binary compatibility with old distributions
- `gitian`: don't export any symbols from executable
- `gitian`: build against Qt 4.6
- `devtools`: add script to check symbols from Linux `gitian` executables
- Remove build-time no-IPv6 setting

#### GUI:

- Fix various coin control visual issues
- Show number of in/out connections in debug console
- Show weeks as well as years behind for long timespans behind
- Enable and disable the Show and Remove buttons for requested payments history based on whether any entry is selected.
- Show also value for options overridden on command line in options dialog

- Fill in label from address book also for URIs
- Fixes feel when resizing the last column on tables (issue #2862)
- Fix ESC in disablewallet mode
- Add expert section to wallet tab in optionsdialog
- Do proper boost::path conversion (fixes unicode in datadir)
- Only override -datadir if different from the default (fixes -datadir in config file)
- Show rescan progress at start-up
- Show importwallet progress
- Get required locks upfront in polling functions (avoids hanging on locks)
- Catch Windows shutdown events while client is running
- Optionally add third party links to transaction context menu
- Check for !pixmap() before trying to export QR code (avoids crashes when no QR code could be generated)
- Fix "Start bitcoin on system login"

Miscellaneous:

- Replace non-threadsafe C functions (gmtime, strerror and setlocale)
- Add missing cs\_main and wallet locks
- Avoid exception at startup when system locale not recognized
- Changed bitrpc.py's raw\_input to getpass for passwords to conceal characters during command line input
- devtools: add a script to fetch and postprocess translations

## Credits

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