

Bitcoin version 0.7.1 is now available from: <http://sourceforge.net/projects/bitcoin/files/Bitcoin/bitcoin-0.7.1/>

This is a bug-fix minor release.

Please report bugs using the issue tracker at github: <https://github.com/bitcoin/bitcoin/issues>

Project source code is hosted at github; you can get source-only tarballs/zipballs directly from there:

<https://github.com/bitcoin/bitcoin/tarball/v0.7.1> # .tar.gz <https://github.com/bitcoin/bitcoin/zipball/v0.7.1> # .zip

Ubuntu Linux users can use the "Personal Package Archive" (PPA) maintained by Matt Corallo to automatically keep up-to-date. Just type: `sudo apt-add-repository ppa:bitcoin/bitcoin` `sudo apt-get update` in your terminal, then install the bitcoin-qt package: `sudo apt-get install bitcoin-qt`

KNOWN ISSUES

Mac OSX 10.5 is no longer supported.

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 were running on Linux with a version that might have been compiled with a different version of Berkeley DB (for example, if you were using an Ubuntu PPA version), then run the old version again with the `-detachdb` argument and shut it down; if you do not, then the new version will not be able to read the database files and will exit with an error.

Explanation of `-detachdb` (and the new "stop true" RPC command): The Berkeley DB database library stores data in both ".dat" and "log" files, so the database is always in a consistent state, even in case of power failure or other sudden shutdown. The format of the ".dat" files is portable between different versions of Berkeley DB, but the "log" files are not-- even minor version differences may have incompatible "log" files. The `-detachdb` option moves any pending changes from the "log" files to the "blkindex.dat" file for maximum compatibility, but makes shutdown much slower. Note that the "wallet.dat" file is always detached, and versions prior to 0.6.0 detached all databases at shutdown.

New features

- Added a boolean argument to the RPC 'stop' command, if true sets `-detachdb` to create standalone database .dat files before shutting down.
- `-salvagewallet` command-line option, which moves any existing wallet.dat to wallet.{timestamp}.dat and then attempts to salvage public/private keys and master encryption keys (if the wallet is encrypted) into a new wallet.dat. This should only be used if your wallet becomes corrupted, and is not intended to replace regular wallet backups.
- Import `$DataDir/bootstrap.dat` automatically, if it exists.

Dependency changes

- Qt 4.8.2 for Windows builds
- openssl 1.0.1c

Bug fixes

- Clicking on a bitcoin: URI on Windows should now launch Bitcoin-Qt properly.
- When running -testnet, use RPC port 18332 by default.
- Better detection and handling of corrupt wallet.dat and blkindex.dat files. Previous versions would crash with a DB_RUNRECOVERY exception, this version detects most problems and tells you how to recover if it cannot recover itself.
- Fixed an uninitialized variable bug that could cause transactions to be reported out of order.
- Fixed a bug that could cause occasional crashes on exit.
- Warn the user that they need to create fresh wallet backups after they encrypt their wallet.

Thanks to everybody who contributed to this release:

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