

NetBSD build guide

(updated for NetBSD 8.0)

This guide describes how to build bitcoind and command-line utilities on NetBSD.

This guide does not contain instructions for building the GUI.

Preparation

You will need the following modules, which can be installed via pkgsrc or pkgin:

```
autoconf
automake
boost
git
gmake
libevent
libtool
pkg-config
python37

git clone https://github.com/bitcoin/bitcoin.git
```

See [dependencies.md](#) for a complete overview.

Building Bitcoin Core

Important: Use `gmake` (the non-GNU `make` will exit with an error).

With descriptor wallet:

The descriptor wallet uses `sqlite3`. You can install it using:

```
pkgin install sqlite3
```

```
./autogen.sh
./configure --with-gui=no --without-bdb \
  CPPFLAGS="-I/usr/pkg/include" \
  LDFLAGS="-L/usr/pkg/lib" \
  BOOST_CPPFLAGS="-I/usr/pkg/include" \
  MAKE=gmake
```

With legacy wallet:

BerkeleyDB is use for legacy wallet functionality.

It is recommended to use Berkeley DB 4.8. You cannot use the BerkeleyDB library from ports. You can use [the installation script included in contrib/](#) like so:

```
./contrib/install_db4.sh `pwd`
```

from the root of the repository. Then set `BDB_PREFIX` for the next section:

```
export BDB_PREFIX="$PWD/db4"
```

```
./autogen.sh
./configure --with-gui=no CPPFLAGS="-I/usr/pkg/include" \
  LDFLAGS="-L/usr/pkg/lib" \
  BOOST_CPPFLAGS="-I/usr/pkg/include" \
  BDB_LIBS="-L${BDB_PREFIX}/lib -ldb_cxx-4.8" \
  BDB_CFLAGS="-I${BDB_PREFIX}/include" \
  MAKE=gmake
```

Without wallet:

```
./autogen.sh
./configure --with-gui=no --disable-wallet \
  CPPFLAGS="-I/usr/pkg/include" \
  LDFLAGS="-L/usr/pkg/lib" \
  BOOST_CPPFLAGS="-I/usr/pkg/include" \
  MAKE=gmake
```

Build and run the tests:

```
gmake # use "-j N" here for N parallel jobs
gmake check
```