Dependencies

These are the dependencies used by Bitcoin Core. You can find installation instructions in the `build-*.md` file for your platform. "Runtime" and "Version Used" are both in reference to the release binaries.

Dependency	Minimum required
[Autoconf](#)	[2.69](#)
[Automake](#)	[1.13](#)
[Clang](#)	[8.0](#)
[GCC](#)	[8.1](#)
[Python](#) (tests)	[3.6](#)
[systemtap](#) ([tracing](#))	N/A

Required

Dependency	Version used	Minimum required	Runtime
[Boost](#)	1.77.0	[1.64.0](#)	No
[libevent](#)	2.1.12-stable	[2.1.8](#)	No
[glibc](#)	N/A	[2.18](#)	Yes

Optional

GUI

Dependency	Version used	Minimum required	Runtime
[Fontconfig](#)	2.12.6	2.6	Yes
[FreeType](#)	2.11.0	2.3.0	Yes
[qrencode](#)	[3.4.4](#)		No
[Qt](#)	[5.15.3](#)	[5.11.3](#)	No

Networking

Dependency	Version used	Minimum required	Runtime
[libnatpmp](#)	commit [4536032...](#)		No
[MiniUPnPc](#)	2.2.2	1.9	No

Notifications

Dependency	Version used	Minimum required	Runtime

ZeroMQ	4.3.4	4.0.0	No

Wallet

Dependency	Version used	Minimum required	Runtime
Berkeley DB (legacy wallet)	4.8.30	4.8.x	No
SQLite	3.32.1	3.7.17	No