

手动编译比特币源码

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原文链接: <https://ld246.com/article/1604630949537>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

<h2 id="实验环境">实验环境</h2>

<p>虚拟机软件: VMware® Workstation 15 Pro

虚拟机系统: Ubuntu 18.04

虚拟机内存: 4G</p>

<h2 id="更新系统软件源">更新系统软件源</h2>

```
<pre> <code class="language-bash highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">sudo apt update</span></span></code></pre>
```

<h2 id="安装Git并获取源码">安装 Git 并获取源码</h2>

```
<pre> <code class="language-bash highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl">sudo apt install git</span></span><span class="highlight-line"> <span class="highlight-cl">mkdir ~/bitcoinsource</span></span><span class="highlight-line"> <span class="highlight-cl"># git clone https://github.com/bitcoin/bitcoin.git ~/bitcoinsource</span></span><span class="highlight-line"> <span class="highlight-cl">git clone git://github.com/bitcoin/bitcoin.git <span class="highlight-s2">~/bitcoinsource</span></span></pre>
```

<h2 id="安装前准备">安装前准备</h2>

```
<pre> <code class="language-bash highlight-chroma"> <span class="highlight-line"> <span class="highlight-cl"># 安装编译工具等</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt install build-essential libtool autotools-dev automake pkg-config bsdmainutils python3</span></span><span class="highlight-line"> <span class="highlight-cl"># 安装依赖库</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt install libevent-dev libboost-system-dev libboost-filesystem-dev libboost-test-dev libboost-thread-dev</span></span><span class="highlight-line"> <span class="highlight-cl"># 安装BerkeleyDB</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt install libldb-dev libldb++-dev</span></span><span class="highlight-line"> <span class="highlight-cl"># 安装SQLite</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt install libsqlite3-dev</span></span><span class="highlight-line"> <span class="highlight-cl"># 可选, 提供UPnP端口映射</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt-get install libminiupnpc-dev</span></span><span class="highlight-line"> <span class="highlight-cl"># 安装ZMQ依赖 (提供ZMQ API) </span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt-get install libzmq3-dev</span></span><span class="highlight-line"> <span class="highlight-cl"># 安装GUI依赖</span></span><span class="highlight-line"> <span class="highlight-cl">sudo apt install libqt5gui5 libqt5core5a libqt5dbus5 qttools5-dev qttools5-dev-tools</span></span></pre>
```

```
</span></span><span class="highlight-line"><span class="highlight-cl">sudo apt install li  
qrencode-dev <span class="highlight-c1"># 二维码库</span>  
</span></span></code></pre>  
<h2 id="编译安装">编译安装</h2>  
<pre><code class="language-bash highlight-chroma"><span class="highlight-line"><span class="highlight-cl"><span class="highlight-c1"># 编译准备</span>  
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-c1">cd</span> ~/bitcoinsource/  
</span></span><span class="highlight-line"><span class="highlight-cl">./autogen.sh  
</span></span><span class="highlight-line"><span class="highlight-cl">./configure --with-  
ncompatible-bdb  
</span></span><span class="highlight-line"><span class="highlight-cl">  
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-c1"># 编译安装</span>  
</span></span><span class="highlight-line"><span class="highlight-cl">make  
</span></span><span class="highlight-line"><span class="highlight-cl">sudo make install  
</span></span><span class="highlight-line"><span class="highlight-cl">  
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="highlight-c1"># 运行测试</span>  
</span></span><span class="highlight-line"><span class="highlight-cl">bitcoin-qt  
</span></span></code></pre>  
<h2 id="相关资料">相关资料</h2>  
<p><a href="https://ld246.com/forward?goto=https%3A%2F%2Fgithub.com%2Fbitcoin%2Fb  
tcoin%2Fblob%2Fmaster%2Fdoc%2Fbuild-unix.md" target="_blank" rel="nofollow ugc">UNI  
BUILD NOTES</a><br>  
<a href="https://ld246.com/forward?goto=https%3A%2F%2Fbook.douban.com%2Fsubject%  
F27663259%2F" target="_blank" rel="nofollow ugc">《白话区块链》</a></p>
```