

Building the Software

About

Jito-Solana is open source and completely permissionless. Currently, the client doesn't have a build pipeline for downloading images directly. We are working on this, but in the meantime please follow the commands below.

Computer Setup

One must install the rust compiler and a few related packages before building jito-solana.

...

```
Copy curlhttps://sh.rustup.rs-sSf|sh sourceHOME/.cargo/env rustupcomponentaddrustfmt rustupupdate sudoapt-getupdate  
sudoapt-getinstalllibssl-devlibudev-devpkg-configzlib1g-devllvmlangcmakemakelibprotobuf-devprotobuf-compiler
```

...

Versions

Mainnet or Testnet:

...

Copy export TAG=v1.XX.XX-jito

...

Above is the generic syntax -- would beexport TAG=v1.16.17-jito for a specific version. Please see the Github release page for current releases and notes ([link](#)).

Building

Make sure that you've run theexport TAG= section above.

The following will build jito-solana from source and install it at the path:~/local/share/solana/install/releasesTAG/bin/solana-validator

Initial Setup

...

```
Copy gitclonehttps://github.com/jito-foundation/jito-solana.git--recurse-submodules cdjito-solana gitcheckouttagsTAG  
git submoduleupdate--init--recursive
```

```
CI_COMMIT=(gitrev-parseHEAD)scripts/cargo-install-all.sh--validator-only~/local/share/solana/install/releases/"TAG"
```

...

Upgrading

...

```
Copy cd jito-solana git pull git checkout tagsTAG git submodule update --init --recursive CI_COMMIT=(git rev-parse HEAD)  
scripts/cargo-install-all.sh --validator-only ~/local/share/solana/install/releases/"TAG"
```

...

Local Testing

Run a local validator for testing without any configuration. RPC is available onhttp://localhost:8899 .

...

```
Copy nohup./start>faucet.log& nohup./bootstrap>validator.log&
```

stop local validator with:

kill solana-faucet && kill -f 'bash ./.*bootstrap'

...

[Previous Features](#) [Next Command Line Arguments](#) Last updated 5 months ago On this page * [About](#) * [Computer Setup](#) * [Versions](#) * [Building](#) * [Local Testing](#)