



Install step

It's trivial to install the `step` binary on your local machine.

 Building from source?

Check out our guide to [getting started with development](#).

Select your operating system or infrastructure:

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MACOS

Install `step` via [Homebrew](#):

```
brew install step
```

To uninstall, run `brew uninstall step` and remove the `$HOME/.step` configuration directory.

LINUX PACKAGES (AMD64)

Debian/Ubuntu

Download and install the Debian package from our [latest release](#):

```
wget https://dl.smallstep.com/cli/docs/cli-install/latest/step-cli_amd64.deb
sudo dpkg -i step-cli_amd64.deb
```

To uninstall, run `sudo dpkg -r step-cli` and remove the `$HOME/.step` configuration directory.

Arch Linux

There is a community-maintained [step-cli](#) [package](#).

Use [pacman](#) to install `step` :

```
sudo pacman -S step-cli
```

The Arch package installs `step` as `step-cli` . Add a symlink to address this:

```
sudo ln -s /usr/bin/step-cli /usr/local/bin/step
```

To uninstall, run `sudo pacman -R step-cli` and remove the `$HOME/.step` configuration directory.

Big shout out to the maintainers of these packages! We appreciate you.

RedHat

Download and install the RPM package from our [latest release](#):

```
wget https://dl.smallstep.com/cli/docs-cli-install/latest/step-cli_amd64.rpm
sudo rpm -i step-cli_amd64.rpm
```

To uninstall, run `sudo dnf remove step-cli` and remove the `$HOME/.step` configuration directory.

Wolfi

Wolfi has a maintained `step` package.

Use `apk` to install `step` :

```
apk add step
```

To uninstall, run `apk del step` and remove the `$HOME/.step` configuration directory.

Alpine Linux

There is a community-maintained `step-cli` package for Alpine Linux.

Use `apk` to install `step` :

```
apk add step-cli
```

To uninstall, run `apk del step-cli` and remove the `$HOME/.step` configuration directory.

Big shout out to the maintainers of these packages! We appreciate you.

NixOS

Install the `step-cli` package on NixOS.

FreeBSD

Install the `step-cli` package on FreeBSD.

LINUX BINARIES

We have 386, amd64, arm64, armv7, mips, and mips64 releases available to download from our [latest release](#).

Place the binary in `/usr/bin` for compatibility with the rest of our documentation.

Binary Signature Verification

We use [cosign](#) for signing and verifying release artifacts. To verify the signature of the `step-ca` binary:

1. [Install cosign](#)
2. Download the binary signature (`.sig`) and certificate (`.pem`) files from the Assets section of our [GitHub Releases page](#)
3. Run:

```
cosign verify-blob \  
  --certificate step_linux_amd64.tar.gz.pem \  
  --signature step_linux_amd64.tar.gz.sig \  
  --certificate-identity-regexp "https://github\.com/smallstep/workflows,  
  --certificate-oidc-issuer https://token.actions.githubusercontent.com \  
  step_linux_amd64.tar.gz
```

WINDOWS

Install via Winget

Install `step` via [Winget](#):

```
winget install Smallstep.step
```

After installing, you may need to restart your terminal for `step` to be in your path.

To uninstall, run `winget uninstall Smallstep.step` and remove the `$HOME/.step` configuration directory.

Install via Scoop

Install `step` via [scoop](#):

```
scoop bucket add smallstep https://github.com/smallstep/scoop-bucket.g:  
scoop install smallstep/step
```

To uninstall, run `scoop remove step` and remove the `$HOME/.step` configuration directory.

Install manually

Download the Windows binary from our [latest releases](#) page and install it using PowerShell.

Open PowerShell and run the following:

```
curl.exe -LO https://dl.smallstep.com/cli/docs-cli-install/latest/step_Expand-Archive -LiteralPath .\step_windows_amd64.zip -DestinationPath .\step_windows_amd64\bin\step.exe version
```

Finally, move the `step.exe` binary wherever you'd like it to into a location in your user's `PATH`.

TESTING YOUR INSTALLATION

```
$ step certificate inspect https://smallstep.com  
Certificate:  
  Data:  
    Version: 3 (0x2)  
    Serial Number: 326381749415081530968054238478851085504954 (0x3bf2656)  
    Signature Algorithm: SHA256-RSA  
    Issuer: C=US,O=Let's Encrypt,CN=Let's Encrypt Authority X3  
    Validity  
      Not Before: Feb 8 13:07:44 2019 UTC  
      Not After : May 9 13:07:44 2019 UTC  
    Subject: CN=smallstep.com  
[...]
```

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