

Contribute to the open source platform

BUILD FUCHSIA COMMUNITY GOVERNANCE

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Google celebrates Women's History Month. [See how.](#)

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## Download the Fuchsia source code

This guide provides instructions on how to download the Fuchsia source code and set up the Fuchsia development environment on your machine.

The steps are:

1. Perform a preflight check.
2. Install prerequisite packages.
3. Download the Fuchsia source code.
4. Set up environment variables.
5. Configure firewall rules (Optional).

### 1. Perform a preflight check

Fuchsia provides a preflight check tool ( `ffx platform preflight` ) that examines your machine and informs you of any issues that may affect building Fuchsia from source on the machine.

★ **Note:** The preflight tool only works for the x64 architecture. Fuchsia is currently not guaranteed to build successfully on other host architectures, such as Windows and ARM64.

Run the following command:

```
LINUX  MACOS
$ curl -s0 https://storage.googleapis.com/fuchsia-ffx/ffx-linux-x64 && chmod +x ffx-linux-x64 && ./
```

### 2. Install prerequisite packages

Fuchsia requires `curl`, `file`, `unzip`, and `git` to be up to date. The version of `git` needs to be 2.28 or higher.

```
LINUX  MACOS
Install (or update) the following packages:
$ sudo apt install curl file git unzip
```

### 3. Download the Fuchsia source code

Fuchsia provides a `bootstrap` script that creates a directory named `fuchsia` and downloads the Fuchsia source code in that directory.

Downloading the Fuchsia source code requires about 2 GB of space on your machine. Depending on your build configuration, you need another 80 to 90 GB of space later when you build Fuchsia. Additionally, the download process uses a substantial amount of memory. It is advisable to close non-crucial processes during this time.

To download the Fuchsia source, do the following:

1. Select a directory for downloading the Fuchsia source code, for example:

★ **Note:** You can set up Fuchsia in any directory. This guide selects the `$HOME` directory as an example.

```
$ cd $HOME
```

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Next steps

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Work on Fuchsia without updating your PATH