# Solidity Installation Process

If you currently do not have Solidity installed on your machine, you would need to do so.

## Mac OS

1. Install HomeBrew by pasting the command in the terminal: `/usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"`
   *Note: if you already have HomeBrew installed, please make sure it is updated to the latest version by pasting the command in the terminal:* `brew update` *and skip to* **Step 6.**

2. After successful installation, you should be able to see below message in terminal,



3. **Open** Mac App Store and search for XCode
   *Note: If it's already installed on your machine then update or skip this step.*

4. **Click** on Xcode search item from the list and click on Install

   *Note: Review and agree to the terms of the license agreement upon installation.*

5. To install Xcode command line tools, run following command `xcode-select — install`

6. In order to install Solidity compiler first you need to add Ethereum package to catalog use the following command `brew tap ethereum/ethereum`

7. Finally, install Solidity compiler using the following command `brew install solidity`

8. As soon as the installation completes, you are all set up

## Windows

1. Download the Windows binary file `[solidity-windows.zip](http://solidity-windows.zip)` from the Official Ethereum Github Page.

2. Extract the `solidity-windows.zip` into a new folder

3. Proceed through the installation with Windows Installer

4. Once the installation is completed. Launch a command prompt and `cd` into the directory where `solc.exe` was extracted to

5. Check the version of the Solidity compiler using `solc --version` command



## Linux

1. On Arch Linux, snap can be installed from the Arch User Repository (AUR) using the following command: `git clone [https://aur.archlinux.org/snapd.git] (https://aur.archlinux.org/snapd.git)`

2. Once the installation is completed, `cd` into the directory where `solc.exe` was extracted to

3. Once installed, the systemd unit that manages the main snap communication socket needs to be enabled use the following command: `sudo systemctl enable --now snapd.socket`

4. To enable classic snap support, enter the following to create a symbolic link between `/var/lib/snapd/snap` and `/snap` use the following command: `sudo ln -s /var/lib/snapd/snap /snap`

5. To install Solidity compiler, simply use the following command: `sudo snap install solc`