

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,

```
Apples-MacBook-Pro-4:blockchain walkingtree$ /usr/bin/ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)"
==> This script will install:
/usr/local/bin/brew
/usr/local/share/doc/homebrew
/usr/local/share/man/man1/brew.1
/usr/local/share/zsh/site-functions/_brew
/usr/local/etc/bash_completion.d/brew
/usr/local/Homebrew

Press RETURN to continue or any other key to abort
==> /usr/bin/sudo /bin/mkdir -p /Library/Caches/Homebrew
Password:
==> /usr/bin/sudo /bin/chmod g+rxw /Library/Caches/Homebrew
==> /usr/bin/sudo /usr/sbin/chown walkingtree /Library/Caches/Homebrew
==> Downloading and installing Homebrew...
HEAD is now at e70b10c Merge pull request #4148 from MikeMcQuaid/issue-template-newlines
Updated 1 tap (homebrew/core).
==> Cleaning up /Library/Caches/Homebrew...
==> Migrating /Library/Caches/Homebrew to /Users/walkingtree/Library/Caches/Homebrew...
==> Deleting /Library/Caches/Homebrew...
==> New Formulae
click                               genact                               libplctag
==> Updated Formulae
aircrack-ng  archivemount  atdtool  bochs  composer  fn  jabba  trae
==> Installation successful!

==> Homebrew has enabled anonymous aggregate user behaviour analytics.
Read the analytics documentation (and how to opt-out) here:
https://docs.brew.sh/Analytics.html

==> Next steps:
- Run "brew help" to get started
- Further documentation:
https://docs.brew.sh
```

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

```
Select Command Prompt
c:\Dev\solidity-windows>solc --version
solc, the solidity compiler commandline interface
Version: 0.4.9+commit.364da425.Windows.msvc
c:\Dev\solidity-windows>
```

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`

