

Wordpress with Docker & Lando



How to use Docker & Lando for web development
(Mac)

Hopeworks Web Development Department
Web Associate: Trang Nguyen

Overview

You will learn: How to create a local environment for Wordpress site development.

What is a local environment?: A **local development environment** allows you to setup a server **environment** on your own computer, instead of using the server **environment** provided by your hosting company.

Why?: Having a local environment, gives you more flexibility in showcasing your work, while still being able to access your site from any computer or location and improving the security.

Source:

<https://pressable.com/2018/04/30/how-to-setup-a-local-wordpress-development-environment/>

Docker

What is Docker?

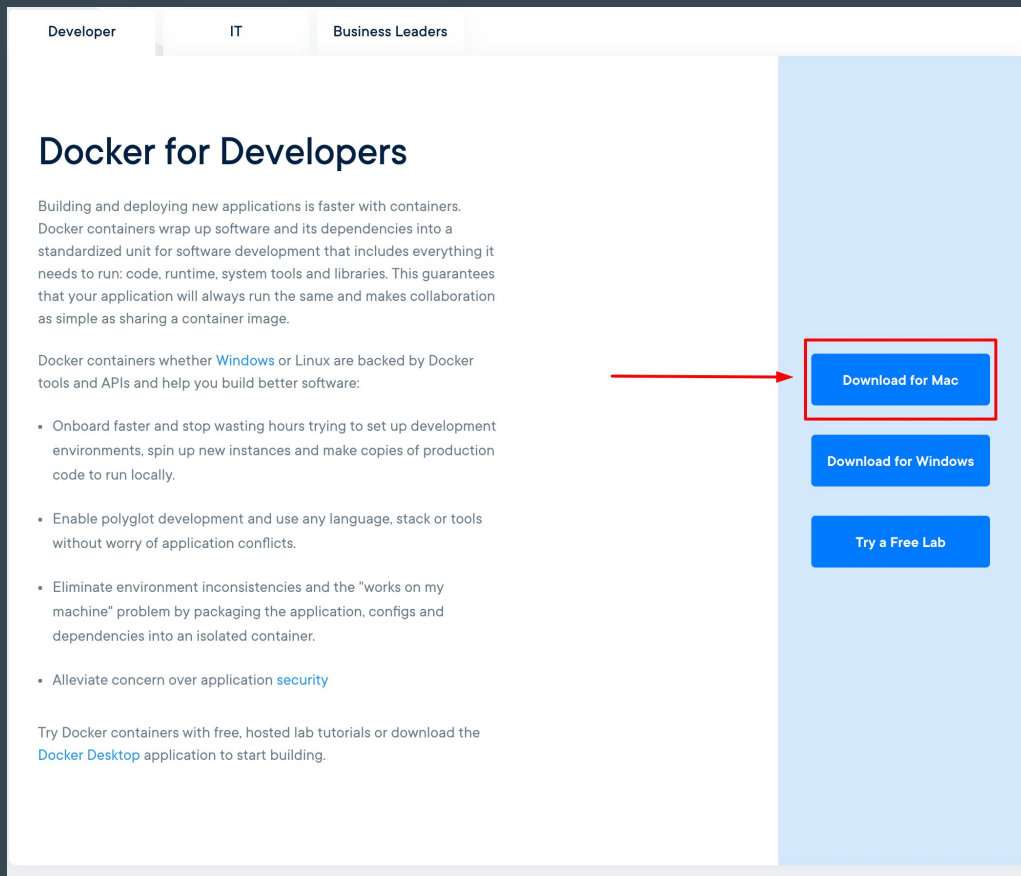
Docker is an open source tool for running isolated containers on Linux making the deployment of apps inside containers faster. Docker creates portable, self-sufficient containers from any application.

Read More:

Source: <https://usersnap.com/blog/docker-for-web-developers/>

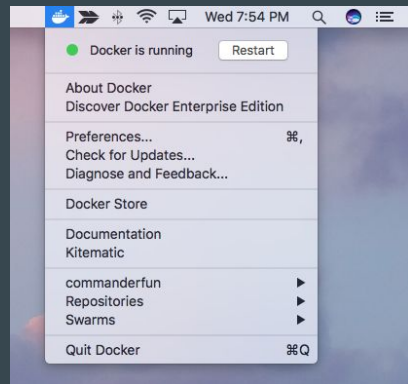
Docker - Download

1. Go to the link,
<https://www.docker.com/get-started>
2. Create a Docker account to login and download the software.
3. Check if mac version is up to date
4. Download Docker



Docker - Specifics & Tips

1. Once you've successfully finished downloading docker, there should be a whale icon on the top of your screen.
2. If there is a **green dot**, that means Docker is running.
3. Make sure to check for any **updates**, as using an old version may conflict with thelando app.
4. In some situations, if you cannot connect to lando, **restarting** Docker often helps resolve the issue.



Lando

What is Lando?

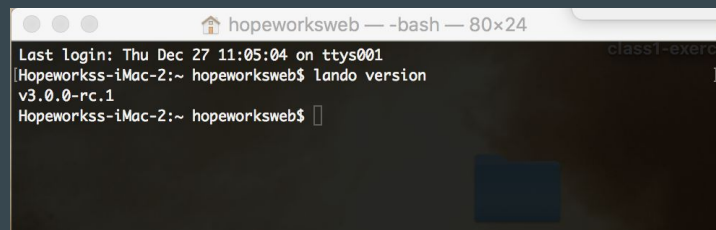
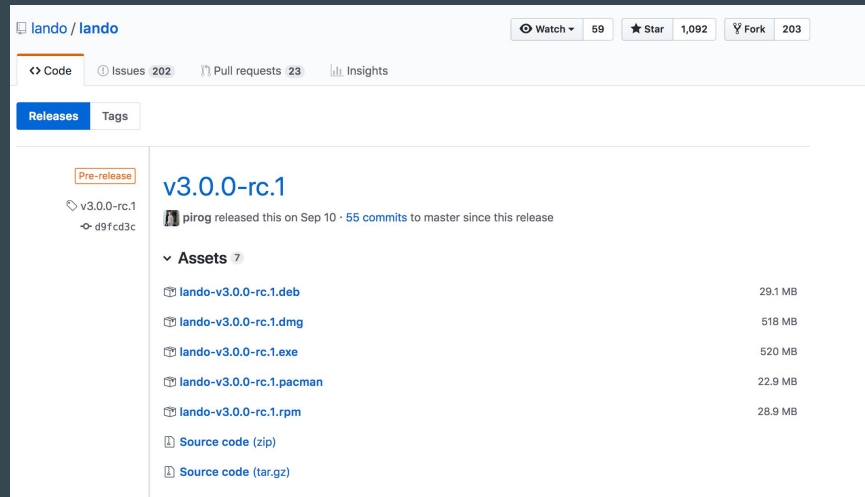
It's a free, open source, cross-platform, **local** development environment and DevOps tool built on Docker container technology and developed by Tandem. Designed to work with most major languages, frameworks and services, Lando provides an easy way for developers of all types to specify simple or complex requirements for their projects, and then quickly get to work on them.

Read More:

Source: <https://docs.devwithlando.io/>

Lando - Download

1. Go to this link
<https://github.com/lando/lando/releases>
2. Download the latest version of Lando (Dmg. file)
3. Double-click on the **LandoInstaller.pkg**
4. Go through the set up flow
5. Enter username and password if prompted
6. Once Lando is downloaded, you can check to make sure you have it on your computer by typing **lando version** on terminal



Wordpress

What is WordPress.org?

WordPress is open source software you can use to create a beautiful website, blog, or app.

The one major **difference between WordPress.com and WordPress.org** is who's actually hosting your website. ...**WordPress.org** is where you'll find the free **WordPress** software that you can download and install on your own web server. **WordPress.com**, on the other hand, takes care of all of the hosting for you.

WordPress - Download

1. Go to <https://wordpress.org/download/>
2. Download wordpress
3. Choose any directory, ex: Desktop, Documents
4. This folder will be where your WordPress app will be.

Priceless, and also free

Download WordPress and use it on your site.

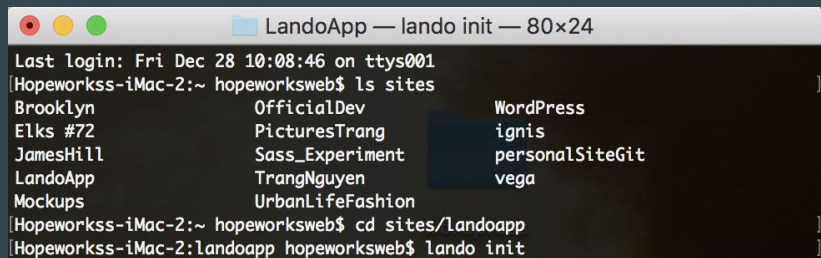
 Download WordPress 5.0.2

[Download .tar.gz](#)

Starting Up Wordpress

Wordpress - Startup pt.1

1. Open up terminal on Mac (Go to the spotlight search and look up terminal)
2. Click on terminal
3. Locate your WordPress file. The **ls** command will show all the documents you have on the directory. (This is to check where your wordpress file is)
4. Then target the file by commanding **cd** desktop/wordpress. Cd directory/filename.
5. Proceed to start the lando application by typing **lando init**



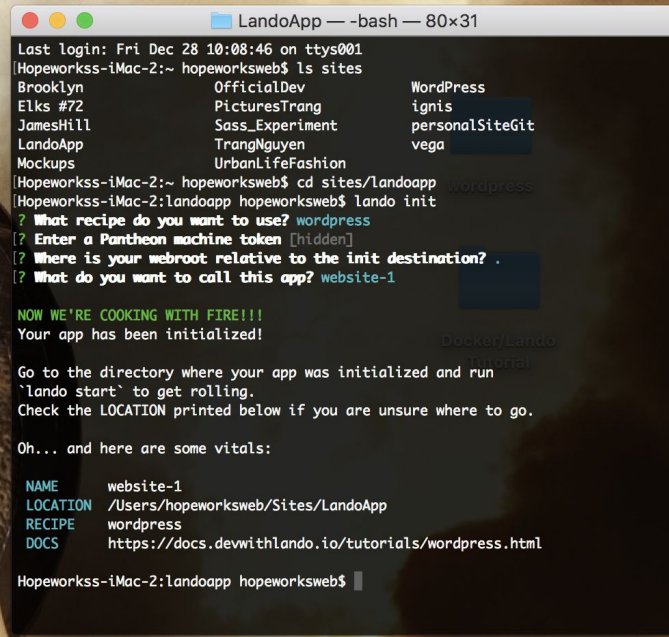
A terminal window titled "LandoApp — lando init — 80x24". The window shows the following commands and output:

```
Last login: Fri Dec 28 10:08:46 on ttys001
Hopeworkss-iMac-2:~ hopeworksweb$ ls sites
Brooklyn      OfficialDev      WordPress
Elks #72      PicturesTrang    ignis
JamesHill     Sass_Experiment  personalSiteGit
LandoApp      TrangNguyen      vega
Mockups       UrbanLifeFashion

Hopeworkss-iMac-2:~ hopeworksweb$ cd sites/landoapp
Hopeworkss-iMac-2:landoapp hopeworksweb$ lando init
```

Wordpress - Startup pt. 2

1. **Recipe** - Lando will ask you for a recipe. Use the up and down arrow keys to select wordpress.
2. **Token** - Only if you have a token from github. (Here is a tutorial on how to get a token: <https://help.github.com/articles/creating-a-personal-access-token-for-the-command-line/>)
3. **Webroot** - Necessary only if you have a webroot.
4. **Name** - Lando will ask if you want to name your app. If you name anything else besides My Lando App, **write it down**. You will not be able to access your wordpress website if you forget your app name.
5. Type in **lando start**. The terminal will be idle for a few seconds, then it will start to respond build your databases.



```
LandoApp — -bash — 80x31
Last login: Fri Dec 28 10:08:46 on ttys001
[Hopeworkss-iMac-2:~ hopeworksweb$ ls sites
Brooklyn      OfficialDev      WordPress
Elks #72      PicturesTrang    ignis
JamesHill     Sass_Experiment  personalSiteGit
LandoApp      TrangNguyen      vega
Mockups       UrbanLifeFashion

[Hopeworkss-iMac-2:~ hopeworksweb$ cd sites/landoapp
[Hopeworkss-iMac-2:landoapp hopeworksweb$ lando init
? What recipe do you want to use? wordpress
[? Enter a Pantheon machine token [hidden]
[? Where is your webroot relative to the init destination? .
[? What do you want to call this app? website-1

NOW WE'RE COOKING WITH FIRE!!!
Your app has been initialized!

Go to the directory where your app was initialized and run
`lando start` to get rolling.
Check the LOCATION printed below if you are unsure where to go.

Oh... and here are some vitals:

NAME      website-1
LOCATION    /Users/hopeworksweb/Sites/LandoApp
RECIPE     wordpress
DOCS       https://docs.devwithlando.io/tutorials/wordpress.html

Hopeworkss-iMac-2:landoapp hopeworksweb$
```

Wordpress - Startup pt. 3

If your terminal shows the following, you should be good to go.

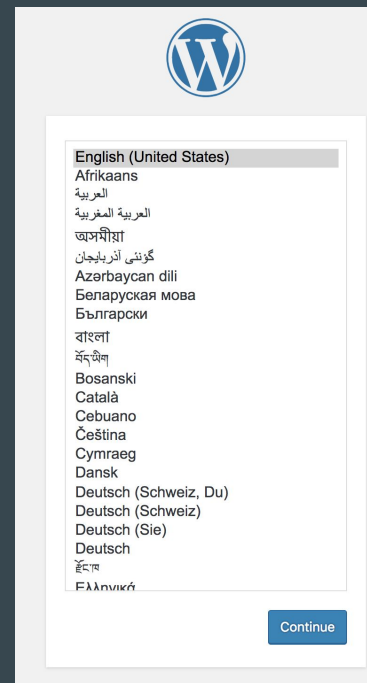
1. Copy the **Indo.site** link and paste it on to your browser
2. Chrome will think that there is a privacy error, however click advanced and proceed to the website.
3. You will be brought into the wordpress installation page. Select English.

```
BOOMSHAKALAKA!!!

Your app has started up correctly.
Here are some vitals:

NAME                website1
LOCATION              /Users/hopeworksweb/Sites/LandoApp
SERVICES             appserver, database
APPSERVER URLS       https://localhost:32793
                    http://localhost:32794
                    http://website1.lndo.site
                    https://website1.lndo.site

Hopeworkss-iMac-2:landoapp hopeworksweb$
```



Wordpress - startup pt.4

1. Lando will ask for the database name, username, password, database host, and table prefix.
2. Enter the following login information, then click submit.

Database name: wordpress

Username: wordpress

Password: wordpress

Database host: database

Table prefix: wp_

Wordpress - Startup pt. 5

1. You will be brought to a sign up page.
2. Fill out the necessary information. (You can use any username, password, site title, and email. This will be your login for when you enter the wordpress application)
3. Write down your username and password in a safe area.
4. Proceed to click install Wordpress.

Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

Username

Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

8O@6iQKWM%qb65nif#

Strong

Important: You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

Search Engine Visibility

☐ Discourage search engines from indexing this site

It is up to search engines to honor this request.

Install WordPress

Congratulations!

Congratulations! You just learned how to install docker, lando, and wordpress. You can now create your own website or web development portfolio on your own localhost server.

Here are a few more resources for lando if you want to learn more about it.

- <https://docs.devwithlando.io/tutorials/wordpress.html>

If you ever want to bring your localhost server to a live server, companies like Godaddy can host your site live for a payment plan every month. There are many other hosting companies that will manage your website server and host them up online. However, that is another tutorial for another day.

Good luck and keep on learning!