

Introduction to Lando

(a local dev and devops tool)

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Hey!

I'm Geoff.

- Open Source evangelist
- lando/lando contributor and maintainer
- Lando Outreach Coordinator
- backdrop/backdrop contributor and maintainer
- backdrop-contrib/backdrop-drush-extension maintainer

I like to make things.

Things We Are Covering Today



1. Lando Basics
2. Lando Recipes
3. Configuring Lando Recipes
4. Adding Tooling to Lando Apps

What is Lando?

Per app, single config file, containerized everything, local dev and DevOps tool



- Simple in repo config file: `.lando.yml`
- Use basic preconfigured stacks
- Add in additional services eg solr
- Add in additional tools eg node
- Build and automation steps
- Hosting integrations
- Docker compose abstraction layers
- Cross platform
- **Local dev dependency manager**

Stacks on Stacks on Racks

linux
containers
docker
docker compose
lando

Core languages supported

dotnet (not a joke)

node

php

python

ruby

go

Configurable and Swappable Services

apache

mongodb

phpmyadmin

elasticsearch

mssql

postgres

mailhog

nginx

redis

mariadb

node

ruby

mysql

php

solr

memcached

python

varnish

Prebaked Recipe Start States

Backdrop

WordPress

Drupal 6/7/8

LAMP

Laravel

LEMP

MEAN

Joomla

Pantheon

Platform.sh

Amazee.io

Installing Lando

One Click Package Installers for macOS/Win10/Debian/Fedora



Download:

<https://github.com/lando/lando/releases>

Docs:

<https://docs.lando.dev/basics/installation.html>

Bleeding Edge/From Source:

<https://docs.lando.dev/basics/installation.html#from-source>

.lando.yml

Basics Demo

Lando-ifying a WordPress Site

What You'll Need



- A local repo/folder with a WordPress site
- Or a GitHub repo (need GitHub token)
- Or any other remote repo

What You Get



- Easily customizable stack
 - Switch between apache and nginx
 - Switch between postgres, mysql and mariadb
 - Switch php versions
 - More! (xdebug, custom config files)
- Related Stack dev tools
 - composer/drush/drupal console/wp-cli/MySQL

```
# Get WordPress
lando init --recipe wordpress
lando start
lando wp core download --path=web

# Install WordPress w/ Lando provided wp-cli
lando wp config create \
--dbname=wordpress \
--dbuser=wordpress \
--dbpass=wordpress \
--dbhost=database

lando wp core install \
--url=https://cmsphilly-wp.lndo.site \
--title="CMS Philly" \
--admin_user=root --admin_password=pass
--admin_email=gff@gff.gov
```

```
# List lando commands for this app
# Note: COMPOSER/PHP/WP/MYSQL/DB-IMPORT
lando
lando wp
lando php -v
lando mysql
lando db-import
lando db-export

# Helpful commands
lando [start|stop|restart|rebuild|destroy]
lando info
lando ssh
```

```
# Commit the generated .lando.yml file
git add .lando.yml
git commit -m "You look absolutely beautiful"
git push origin master
```

```
# Allows other devs to
git clone myrepo mysite
cd mysite
lando start
```

Customizing .lando.yml

How Can We Customize? (basic use cases)



- Front end tooling (node, npm, grunt)
- Build steps (auto composer install)
- Additional commands (phplint)
- Additional services (phpmyadmin/**mailhog**)
- Automation (do X after Y)

Example

New Stuff



- Auto Composer Install
- lando grunt
- lando phplint
- Mailhog
- PhpMyAdmin
- Trivial post-db-import Event
- lando test command

Customizing Tutorials



- **Adding Services**
 - docs.Indo.io/tutorials/setup-additional-services.html
- **Adding Tools**
 - docs.Indo.io/tutorials/setup-additional-tooling.html
- **Front End Stuffs**
 - docs.Indo.io/tutorials/frontend.html
- **Events**
 - docs.Indo.io/config/events.html
- **Build Steps**
 - docs.Indo.io/config/services.html#build-steps

Lando and Browsersync

Lando + Browsersync



- **Lando with node, yarn and browsersync**
 - <https://github.com/serundeputy/lando-gulp-browser-sync>

Is there support!?!?!?

Support



Github:

github.com/lando/lando/issues

Slack Channel:

launchpass.com/devwithlando

Helpful Resources



- **Website:** lando.dev
- **Github:** github.com/lando/lando
- **Docs:** docs.lando.dev
- **Slack Channel:** <https://docs.lando.dev/>
- **Support:** launchpass.com/devwithlando
- **Contribution:** docs.lando.dev/contrib/contributing.html
 - Evangelist
 - Contributor
 - Guider
 - Blogger
 - Sponsor