Introduction to Lando
(a local dev and devops tool)
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

<table>
<thead>
<tr>
<th>apache</th>
<th>mongodb</th>
<th>phpmyadmin</th>
</tr>
</thead>
<tbody>
<tr>
<td>elasticsearch</td>
<td>mssql</td>
<td>postgres</td>
</tr>
<tr>
<td>mailhog</td>
<td>nginx</td>
<td>redis</td>
</tr>
<tr>
<td>mariadb</td>
<td>node</td>
<td>ruby</td>
</tr>
<tr>
<td>mysql</td>
<td>php</td>
<td>solr</td>
</tr>
<tr>
<td>memcached</td>
<td>python</td>
<td>varnish</td>
</tr>
</tbody>
</table>
Prebaked Recipe Start States

Backdrop
LAMP
MEAN
Platform.sh

Drupal 6/7/8
LEMP
Pantheon

WordPress
Laravel
Joomla
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
name: mysite
recipe: lamp
name: mysite
recipe: lamp
config:
  php: 5.6
  webroot: web
  database: mariadb:10.0
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 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.lndo.io/tutorials/setup-additional-services.html
- Adding Tools
  - docs.lndo.io/tutorials/setup-additional-tooling.html
- Front End Stuffs
  - docs.lndo.io/tutorials/frontend.html
- Events
  - docs.lndo.io/config/events.html
- Build Steps
  - docs.lndo.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