

Getting started with Lando





Start Coding Instantly

Push-button development environments.

Workflow automation. Serenity.



The Lando promise

- Initialize a codeBase to get a Landofile
- Optionally customize your Landofile for MOAR POWER
- Start it up and try out some tooling commands
- Commit and distribute
- Focus on more important shit

<https://lando.dev>

Ike Devolder / @BlackIkeEagle / @comBell / @teamBlue





Hi,

I'm Ike,

@BlackIkeEagle on Twitter

Doing something called "DevOps"
at ComBell



team.blue

What I want to accomplish

- get to know Lando
- customize lando
- run magento on lando

Image by Sabine van Erp from Pixabay



Get to know Lando: Hello world

```

[●][22:19:28] ike archlinux-NWFLZWE5 | ~/devel/lando-playground |(git)-(main)─
└─ mkdir hello && cd hello
[●][22:19:31] ike @ archlinux-NWFLZWE5 | ~/devel/lando-playground/hello |(git)-(main)─
└─ echo "<h1Lando says hellooo what have we here?</h1>" > index.html
[●][22:19:40] ike @ archlinux-NWFLZWE5 | ~/devel/lando-playground/hello |(git)-(main)─
└─ lando init \
    --source cwd \
    --recipe lamp \
    --webroot . \
    --name hello-lando

      _/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/_/__
     /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/ /_/
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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          hello-lando
LOCATION       /home/ike/devel/lando-playground/hello
RECIPE        lamp
DOCS         https://docs.lando.dev/config/lamp.html

[●][22:19:47] ike @ archlinux-NWFLZWE5 | ~/devel/lando-playground/hello |(git)-(main)─

```



Get to know Lando: Hello world

Our first `lando.yml` file:

```
name: hello-lando  
recipe: lamp  
config:  
  webroot: .
```





```
- Removing hiraq/prestissimo (0.3.10)
Generating autoload files
Killing hellolando_appserver_1 ...
Killing hellolando_appserver_1 ... done
Creating hellolando_database_1 ... done
Starting hellolando_appserver_1 ... done
Waiting until database service is ready...
Waiting until database service is ready...
Waiting until database service is ready...
Waiting until database service is ready...
Scanning to determine which services are ready... Please standby...
```

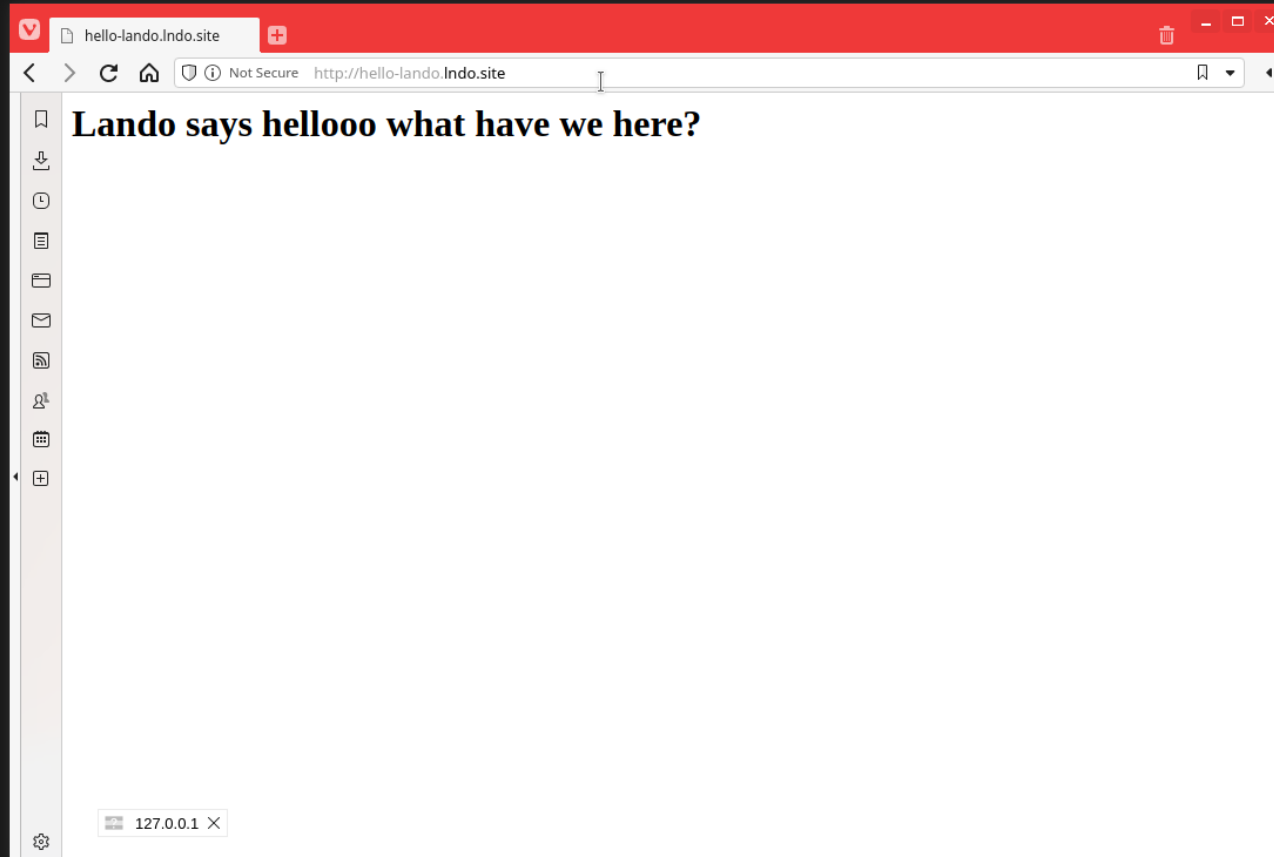
Your app started up but we detected some things you may wish to investigate. These only *may* be a problem.

Here are some vitals:

```
22:43:50 | tke @ archlinux-NWfZWE5 | ~/devel/lando-playground/hello | (git)-(main) →
```

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Get to know Lando: Hello world



Get to know Lando: Hello world

First things we learned

- if hello world does not work, check the global volumes and lando directories permissions
- lando has default recipes for certain setups
- every lando application is a subsite of lnd.site
- we can execute commands related to our project prefixed with "lando"
- all your ssh keys are shared by default, can be disabled but not globally

Image by Luisella Planeta Leoni from Pixabay



Customize Lando: add NodeJS

We Need:

- NodeJS
- Being able to use npm and node

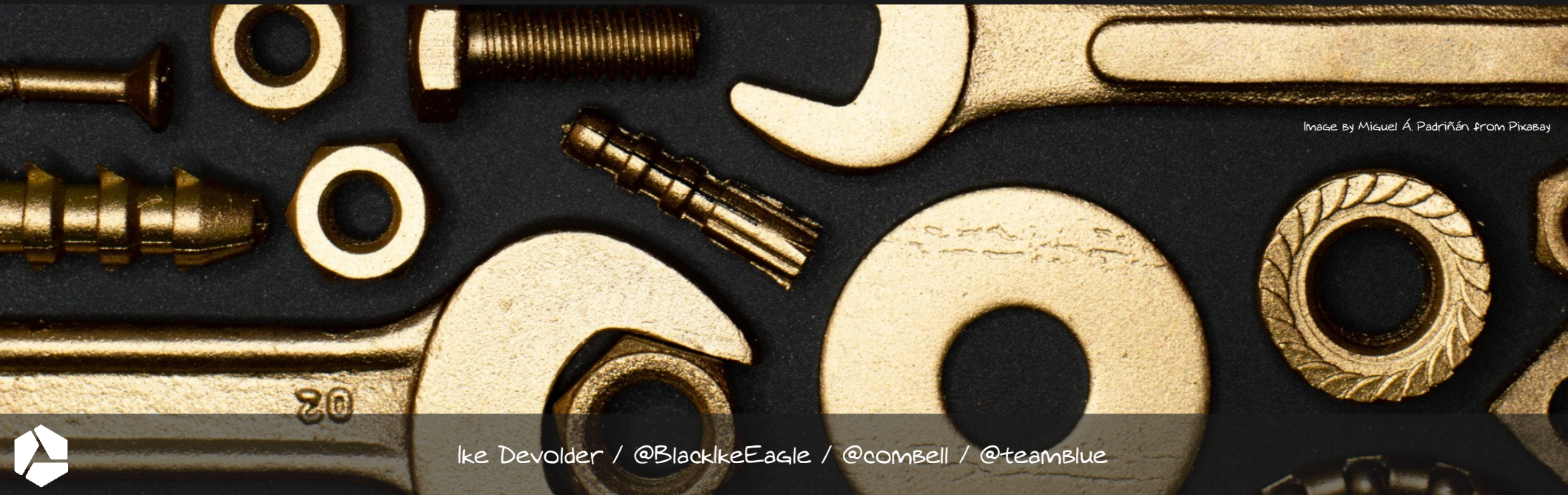


Image by Miguel Á. Padriñán from Pixabay

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Customize Lando: add NodeJS

```
services:  
  node:  
    type: node
```

```
tooling:  
  npm:  
    service: node  
  node:  
    service: node
```



Customize Lando: add NodeJS

```
name: lamp-with-node
recipe: lamp
config:
  webroot: .
services:
  node:
    type: node
tooling:
  npm:
    service: node
node:
  service: node
```

```
0:06:11 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-node (git)-(main)→
lando
Usage: lando <command> [args] [options]

Commands:
  lando composer      Runs composer commands
  lando config         Displays the lando configuration
  lando db-export [file] Exports database from a database service to a file
  lando db-import <file> Imports a dump file into a database service
  lando destroy        Destroys your app
  lando info           Prints info about your app
  lando init           Initializes code for use with lando
  lando list           Lists all running lando apps and containers
  lando logs           Displays logs for your app
  lando mysql          Drops into a MySQL shell on a database service
  lando node           Runs node commands
  lando npm            Runs npm commands
  lando php            Runs php commands
  lando poweroff       Spins down all lando related containers
  lando rebuild        Rebuilds your app from scratch, preserving data
  lando restart        Restarts your app
  lando share          Shares your local site publicly
  lando ssh            Drops into a shell on a service, runs commands
  lando start          Starts your app
  lando stop           Stops your app
  lando version        Displays the lando version

Options:
  --channel      Sets the update channel [array] [choices: "edge", "none", "stable"]
  --clear        Clears the lando tasks cache [boolean]
  --experimental Activates experimental features [boolean]
  --help         Shows lando or delegated command help if applicable [boolean]
  --verbose, -v  Runs with extra verbosity [count]

Examples:
  lando start      Run lando start
  lando rebuild --help Get help about using the lando rebuild command
  lando destroy -y -vvv Run lando destroy non-interactively and with maximum verbosity
  lando --clear    Clear the lando tasks cache

You need at least one command before moving on
0:06:15 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-node (git)-(main)→
lando node --version
v10.24.1
0:06:19 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-node (git)-(main)→
lando npm --version
6.14.12
0:06:34 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-node (git)-(main)→
```



Customize Lando: add NodeJS

We learned

- we need a service even if we only want the commandline tools
- we can add tools and have to couple them to a specific service
- we will be able to determine the version by changing the version used in the service



Image by Luisella Planeta Leoni from Pixabay



Customize Lando: capture mail

We Need:

- mailhog
- access the mailhog webinterface
- capture email from php

Image by Free-Photos from Pixabay

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Customize Lando: capture mail

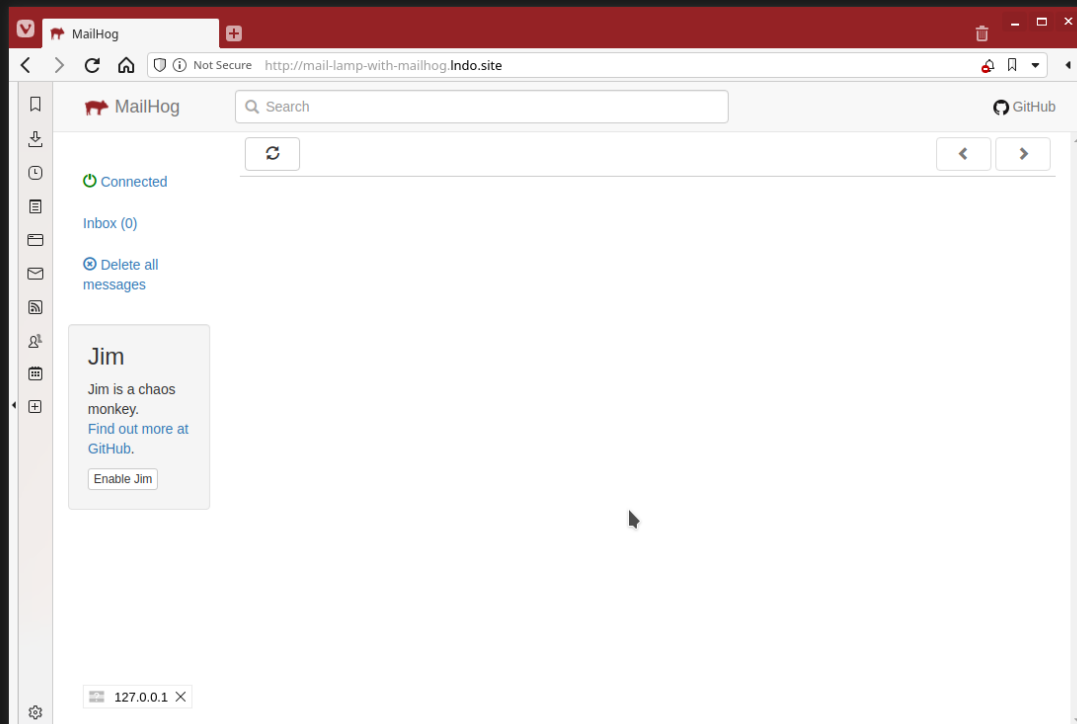
```
services:  
  mailhog:  
    type: mailhog  
    portforward: false  
    hogfrom:  
      - appserver
```

```
proxy:  
  mailhog:  
    - mail-lamp-with-mailhog.lndo.site
```



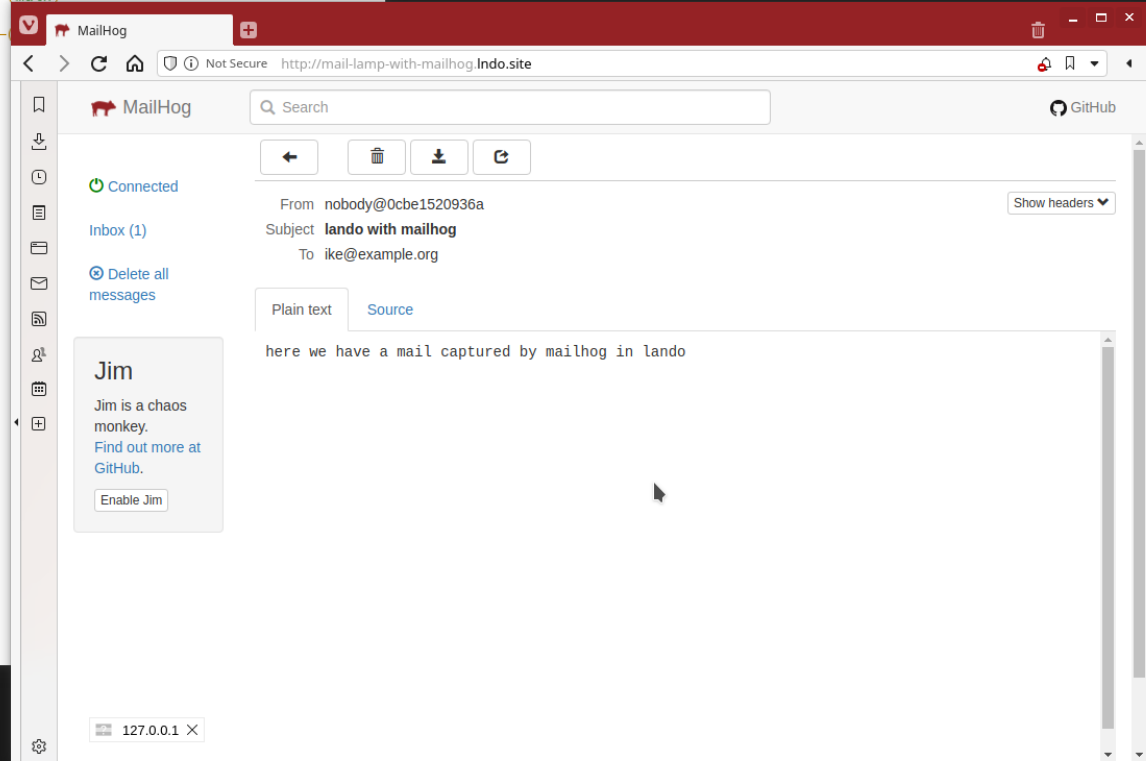
Customize Lando: capture mail

```
name: lamp-with-mailhog
recipe: lamp
config:
  webroot: .
services:
  mailhog:
    type: mailhog
    portforward: false
    hogfrom:
      - appserver
proxy:
  mailhog:
    - mail-lamp-with-mailhog.lndo.site
```



Customize Lando: capture mail

```
0:41:51 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-mailhog (git)-(main)→  
highlight mail.php  
<?php  
mail('ike@example.org', 'lando with mailhog', 'here we have a mail captured by mailhog in lando');  
0:41:59 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-mailhog (git)-(main)→  
lando php mail.php  
0:42:04 ike @ archlinux-NWFLZWE5 ~/devel/lando-playground/lamp-with-mailhog (git)-(main)→
```



Customize Lando: capture mail

We learned

- we can add additional uri to access our services via proxy

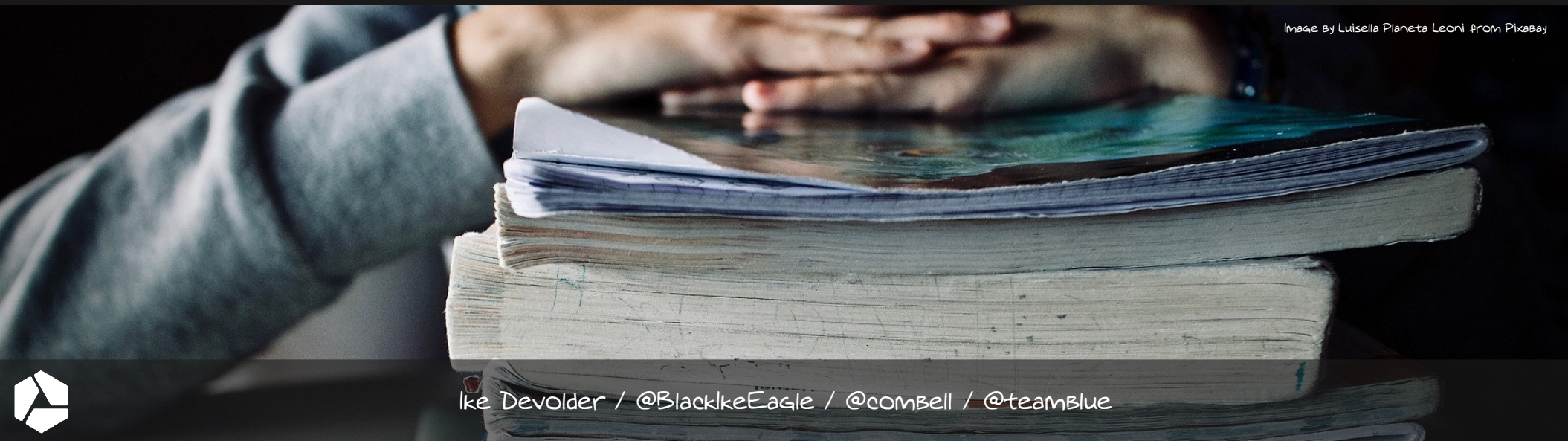


Image by Luisella Planeta Leoni from Pixabay

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Run Magento on Lando?

We Need:

- mailhog
- redis
- elasticsearch
- cli tools

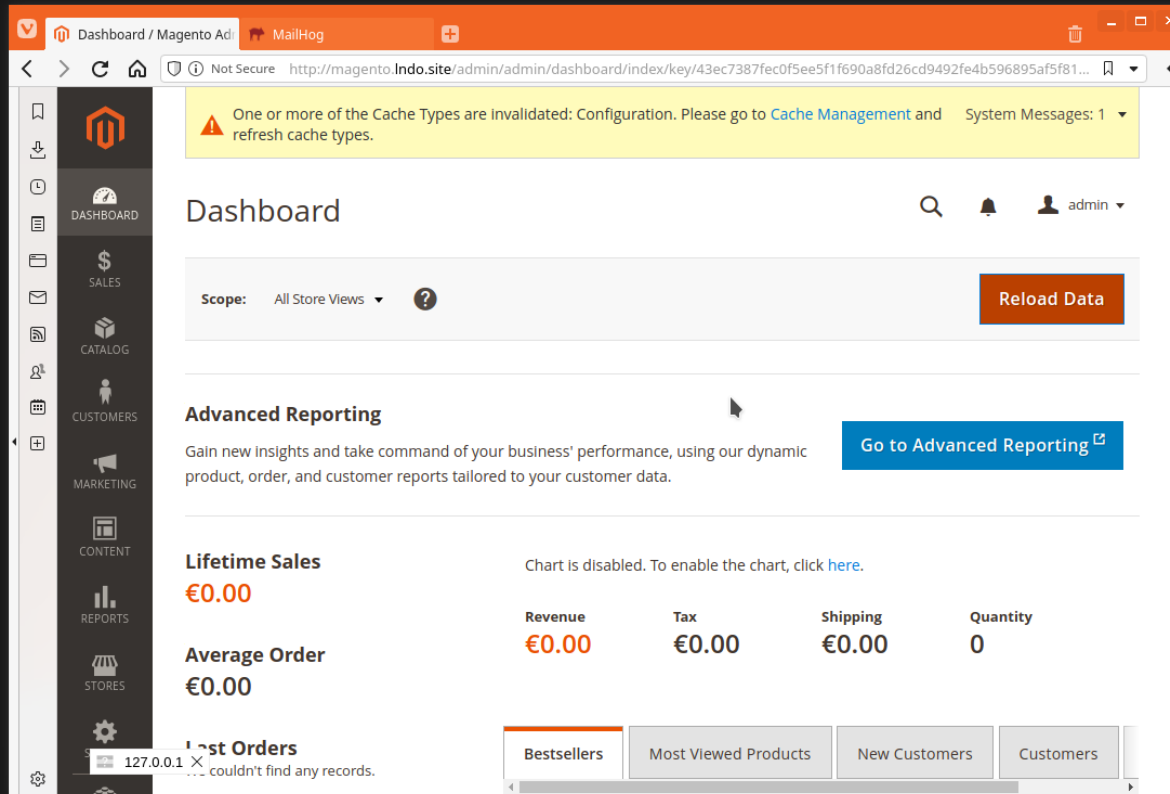


Image by Pexels from Pixabay

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Run Magento on Lando?



The screenshot shows the Magento Admin Dashboard in a web browser. The browser's address bar displays the URL: `http://magento.Indo.site/admin/admin/dashboard/index/key/43ec7387fec0f5ee5f1f690a8fd26cd9492fe4b596895af5f81...`. A yellow warning banner at the top states: "One or more of the Cache Types are invalidated: Configuration. Please go to [Cache Management](#) and refresh cache types." The dashboard includes a left sidebar with navigation links for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, and Stores. The main content area features a "Dashboard" section with a "Scope: All Store Views" dropdown and a "Reload Data" button. Below this is the "Advanced Reporting" section, which includes a "Go to Advanced Reporting" button. The "Lifetime Sales" section shows a total of €0.00 and a message that the chart is disabled. A table displays summary statistics: Revenue (€0.00), Tax (€0.00), Shipping (€0.00), and Quantity (0). At the bottom, the "Most Orders" section shows a message "couldn't find any records." and a set of tabs for "Bestsellers", "Most Viewed Products", "New Customers", and "Customers".

Dashboard / Magento Admin | MailHog

Not Secure `http://magento.Indo.site/admin/admin/dashboard/index/key/43ec7387fec0f5ee5f1f690a8fd26cd9492fe4b596895af5f81...`

One or more of the Cache Types are invalidated: Configuration. Please go to [Cache Management](#) and refresh cache types. System Messages: 1

Dashboard

Scope: All Store Views ? [Reload Data](#)

Advanced Reporting

Gain new insights and take command of your business' performance, using our dynamic product, order, and customer reports tailored to your customer data. [Go to Advanced Reporting](#)

Lifetime Sales

Chart is disabled. To enable the chart, click [here](#).

Revenue	Tax	Shipping	Quantity
€0.00	€0.00	€0.00	0

Average Order

€0.00

Most Orders

couldn't find any records.

Bestsellers | Most Viewed Products | New Customers | Customers

Run Magento on Lando?



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Questions?

I'm lke, doing something called
"DevOps" at ComBell



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PHP-WVL



DockerWest



Parchive



BlacklkeEagle



Archlinux TU



Vdebug



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Thanks

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 PHP-WVL

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