eZ Platform Cloud
eZ Launchpad

Don’t host, don’t deploy, don’t install

just code!

docker

eZ
Where Content Means Business

platform.sh

Designed by novactive. in California
By Nextedia

Novactive / Nextedia

Gold Sponsor

Nextedia Group

yuseo

novactive. Innovation minded

Almavia

- ➡ **220 motivated** and **happy collaborators**
- ➡ **3** main **domain** of **expertise**
  - ➡ UX Design, Web & Mobile, CRM
- ➡ Independant

Nextedia Group

We are hiring!

novactive. Innovation minded

plugins

- Nova eZ SEO Bundle
- Nova eZ Cloudinary Bundle
- Nova eZ Slack Bundle
- Nova eZ Mailing Bundle
- eZ Launchpad
- eZ Automated Translation
- SiteImprove

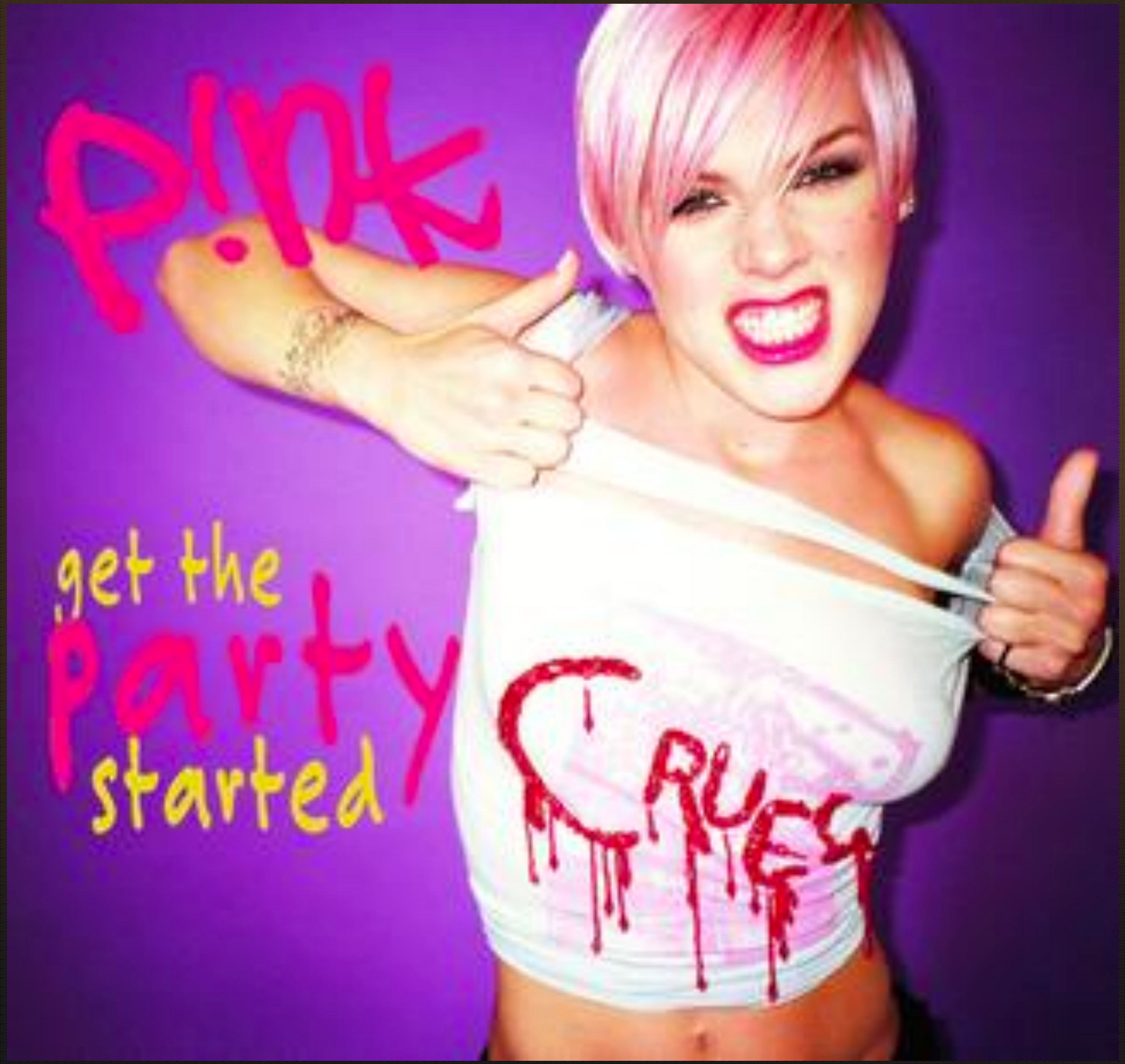
(new) Nova eZ Front-end Integration Bundle

I am **Sébastien Morel**

aka @**plopix**

- ➡ Working at novactive. By Nextedia since 2003
- ➡ In charge of the San Francisco office since 2014
- ➡ Started with eZ Publish 3.6.1 in 2005
- ➡ Passionate in Web and Mobile Technologies
- ➡ Try to always have a focus on innovation!
- ➡ French! But you've heard it already ;-)

“Get the party started”



It is all about **Developer eXperience**

User Experience (UX) for developers

Web Application

What’s inside?

Which services do you use?

Minimum services

- ✓ A web server: **Nginx** or **Apache**
- ✓ A datase: **MySQL, MariaDB** or **PostgreSQL**
- ✓ **PHP-FPM**

Performance services

- App. cache / Session storage: **Memcached** / **Redis**
- Search Engine: **Solr** or **Elastic Search**
- HTTP Cache: **Varnish**

Professional services ++

- Message broker: **RabbitMQ**
- (remote) File storage: **NFS** or **AWS S3** (among others)

Development services

- Database: **Adminer**
- Application cache: **Redis/Memcache Admin**
- Catch the emails: **Mailcatcher**
- Profiler: **Blackfire.io**
- Query profiler: **mysql-proxy**

Wait

Might be too many!........?

- More than **10 services**/tools!
- **Decoupled** approach
- Easily **scalable**
- **Sexy**
- Allows you to **innovate**

ALL TRUE, but...

That's **complex** to **manage** and takes **time** to **install**

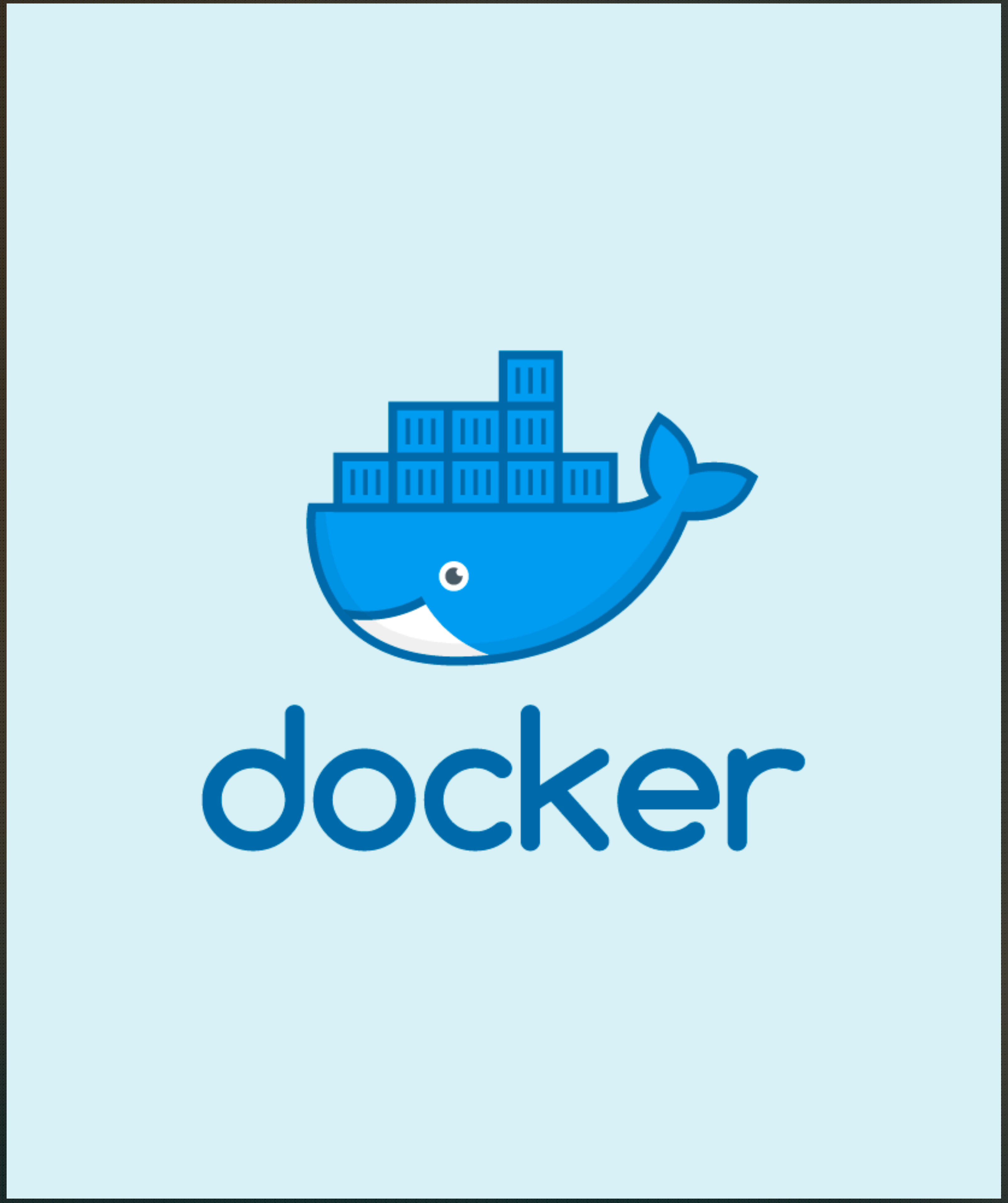
And…

- ➡ Backend Developers
- ➡ Frontend Developers
- ➡ Projects managers
- ➡ Stakeholders
- ➡ Environments to develop, test and deliver

Solution

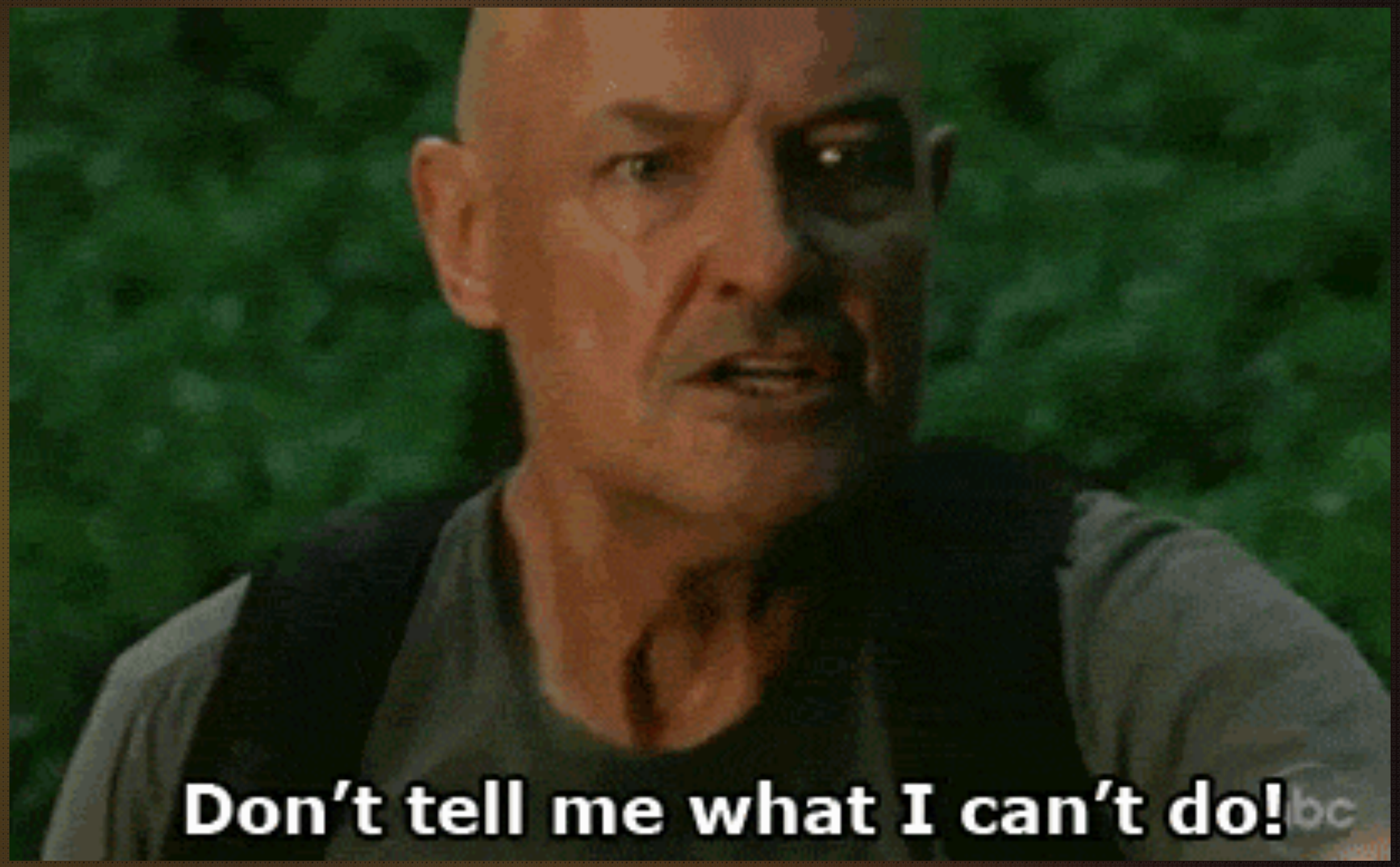
- ➡ ***docker-compose***
- ➡ Pragmatic
- ➡ Elegant
- ➡ Mind blowing

Install a prod-like architecture locally



That’s still complex

- ✓ Need to be organized
- ✓ Have experience
- ✓ Have automations
- ✓ Require processes



Need to share your fresh installed project anyway

Developer eXperience

First time to **success**

===

Fast and simple project **installation**

Consistency

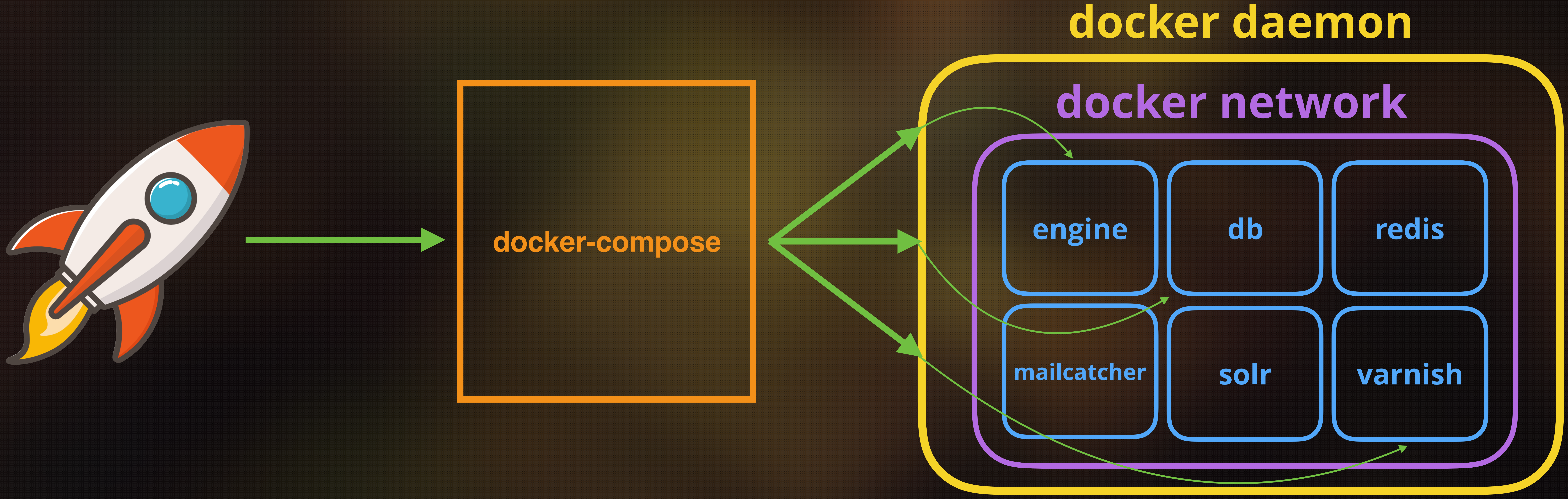
Efficiency

eZ Launchpad

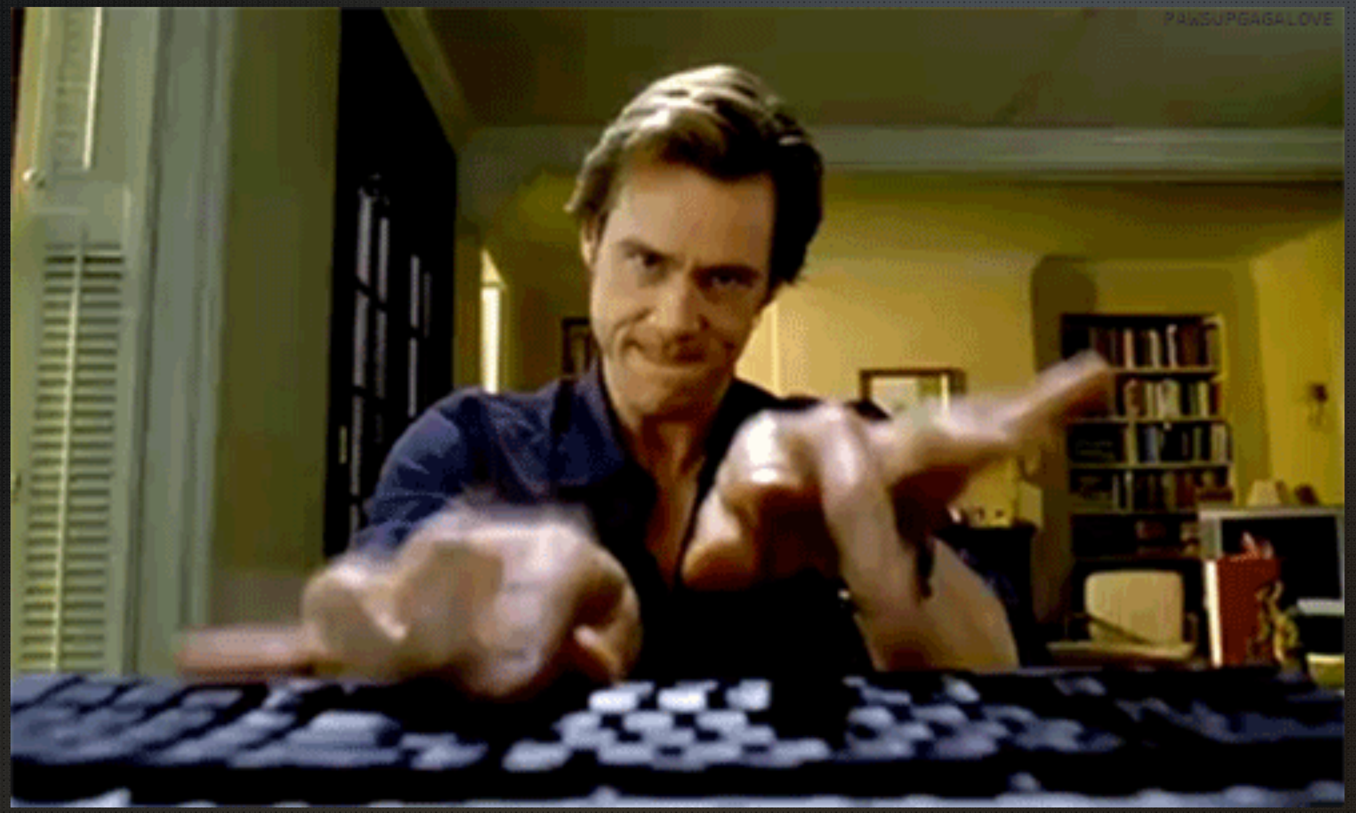
- ➡ **eZ** to install
- ➡ Install **eZ**
- ➡ And the rest of your **architecture locally**
- ➡ **And more**

```
curl -LSs https://ezsystems.github.io/launchpad/install_curl.bash | bash
~/ez init
```

A *docker-compose* wrapper



eZ Launchpad



- **2 main commands** to **first success**
  - As a lead developer to “**init**” from scratch
  - As a member a of the team to install an **init**ialized project: “**create**”
- **Many helpers** to simplify docker management

eZ Launchpad

~/ez init

- ✓ Create docker architecture
- ✓ Install eZ Platform
- ✓ Configure
- ✓ Share

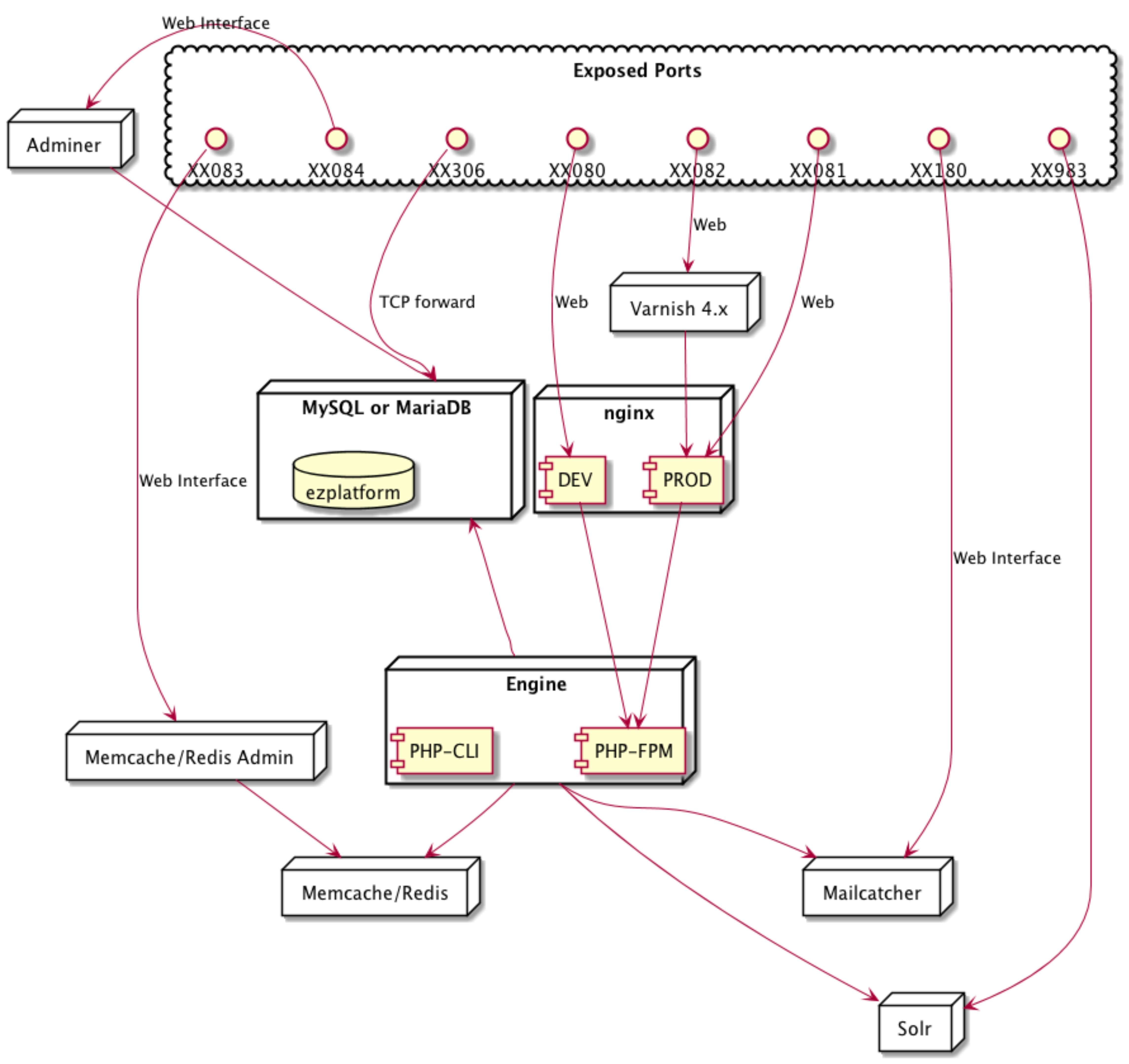
- ✓ Clone the project

~/ez create

- ✓ start services
- ✓ Use

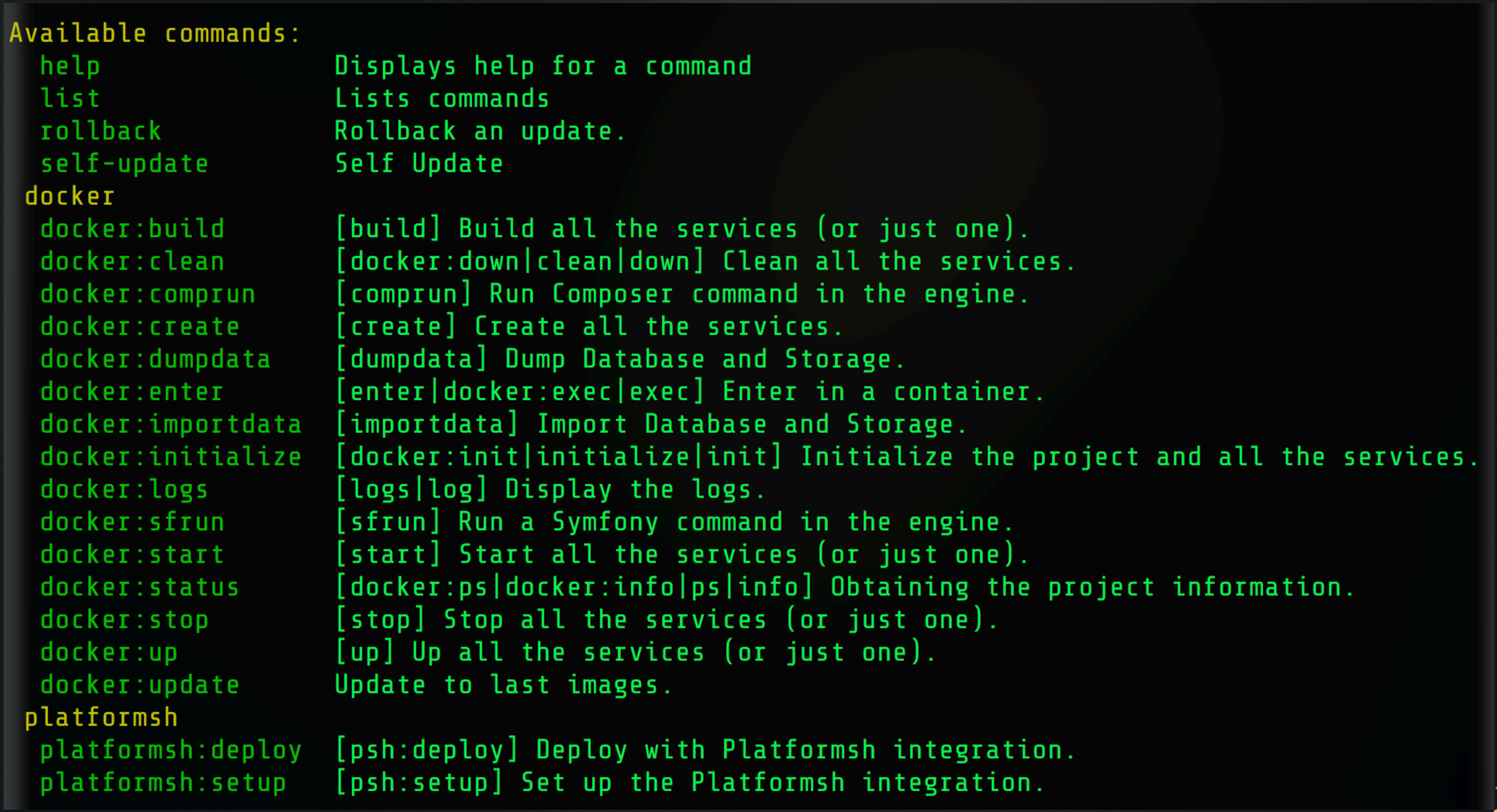
Multiple projects?

- ➡ Not a problem
- ➡ **TCP Port prefix** per project



- ➡ http://localhost:**XX**080: App in **dev** mode
- ➡ http://localhost:**XX**082: App through **Varnish** in **prod** mode
- ➡ **XX**306: direct access to the **db** server
- ➡ http://localhost:**XX9**83/solr: **solr** console
- ➡ Etc…

~/ez help



```
Available commands:
  help               Displays help for a command
  list               Lists commands
  rollback           Rollback an update.
  self-update        Self Update
 docker
  docker:build       [build] Build all the services (or just one).
  docker:clean       [docker:down|clean|down] Clean all the services.
  docker:comprun     [comprun] Run Composer command in the engine.
  docker:create      [create] Create all the services.
  docker:dumpdata    [dumpdata] Dump Database and Storage.
  docker:enter       [enter|docker:exec|exec] Enter in a container.
  docker:importdata  [importdata] Import Database and Storage.
  docker:initialize  [docker:init|initialize|init] Initialize the project and all the services.
  docker:logs        [logs|log] Display the logs.
  docker:sfrun       [sfrun] Run a Symfony command in the engine.
  docker:start       [start] Start all the services (or just one).
  docker:status      [docker:ps|docker:info|ps|info] Obtaining the project information.
  docker:stop        [stop] Stop all the services (or just one).
  docker:up          [up] Up all the services (or just one).
  docker:update      Update to last images.
 platformsh
  platformsh:deploy  [psh:deploy] Deploy with Platformsh integration.
  platformsh:setup   [psh:setup] Set up the Platformsh integration.
```

~/ez start|stop

- ➡ **start|stop** all the containers of the projects

~/ez logs <*service_name*>

Ex:

```
~/ez logs nginx
~/ez logs engine
```

➡ Display **logs** of container

~/ez enter <*service_name*>

Ex:

```
~/ez enter
~/ez enter db -u root
```

➡ **enter** into a container

~/ez sfrun <*command*>

Ex:

```
~/ez sfrun cache:clear
~/ez sfrun ‘doctrine:schema:update --force'
```

➡ **runs** a **symfony** command into the PHP container

~/ez comprun <*command*>

Ex:

```
~/ez comprun install
~/ez comprun require novactive/seobundle
```

➡ **runs** a **composer** command into the PHP container

Manage **data** and **storage**

Ex:

```
~/ez dumpdata
~/ez importdata
```

➡ **dump** or **import** the database data and storage

Clean everything

Ex:

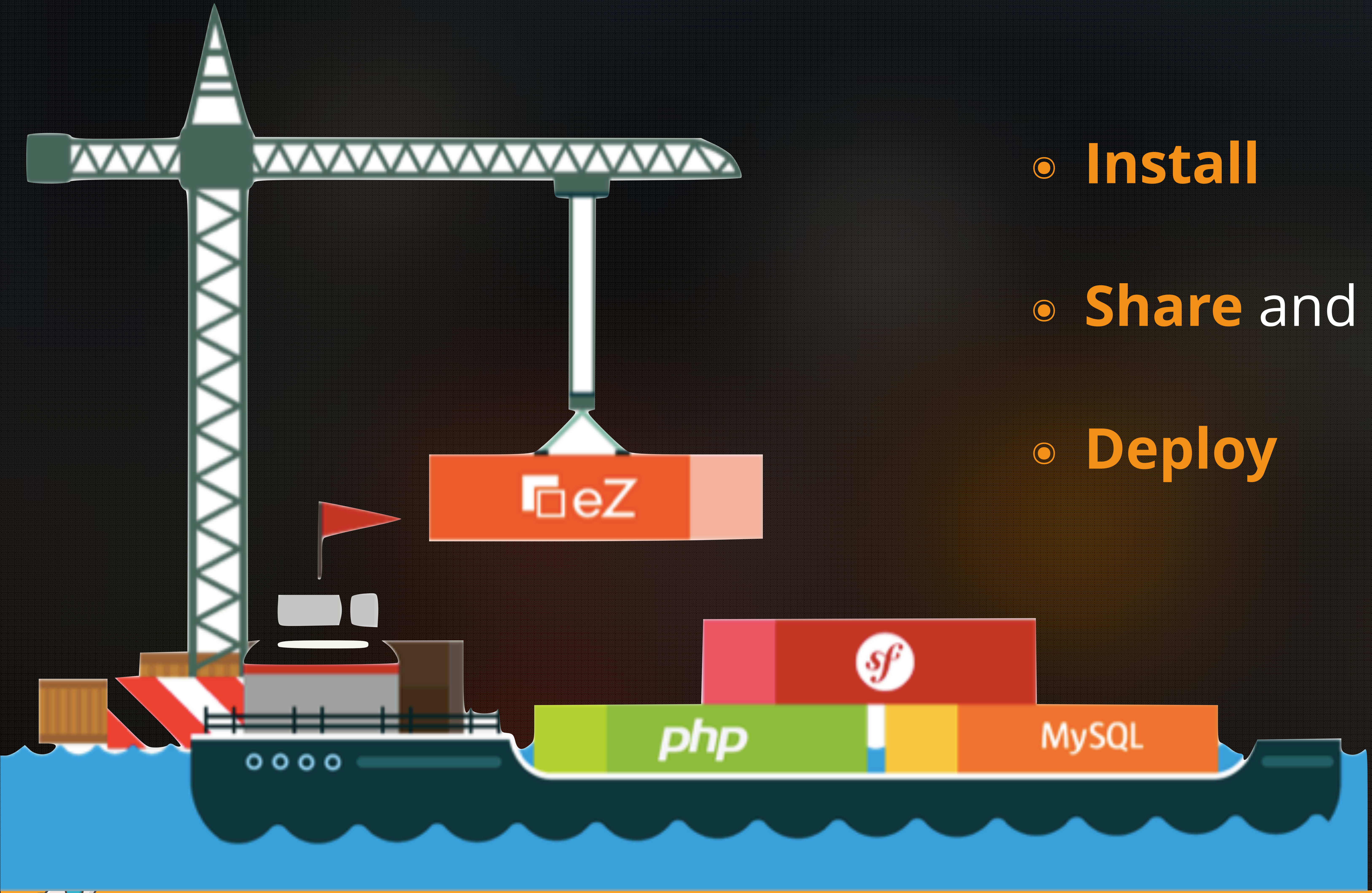
~/ez clean

- ➡ **remove**
  - ➡ The network
  - ➡ The containers
  - ➡ The volumes

eZ Launchpad

- Get a **professional** local development **environment**
- Work as usual and better with **integrated tools**
- Based on **Docker**
- **Simplify** container **management**
- Build for eZ and eZ to use
- **100% customizable**

eZ Launchpad



- **Install**
- **Share** and collaborate,
- **Deploy**

What about **QA**?

- How projects manager **test** your **features**?
- On which **environments**?
- Who is supposed to **deploy** those **environments**?
- On which **URLs**?

eZ Platform **Cloud**

A **PaaS**

Saas Paas Iaas providers

IaaS	PaaS	SaaS
Infrasture as a Service	**Platform** as a Service	**Software** as a Service
Build	**Deploy**	**Use**

SPI providers

IaaS

Infrasture

as a

Service

amazon
web services™

PaaS

Platform

as a

Service

platform.sh

SaaS

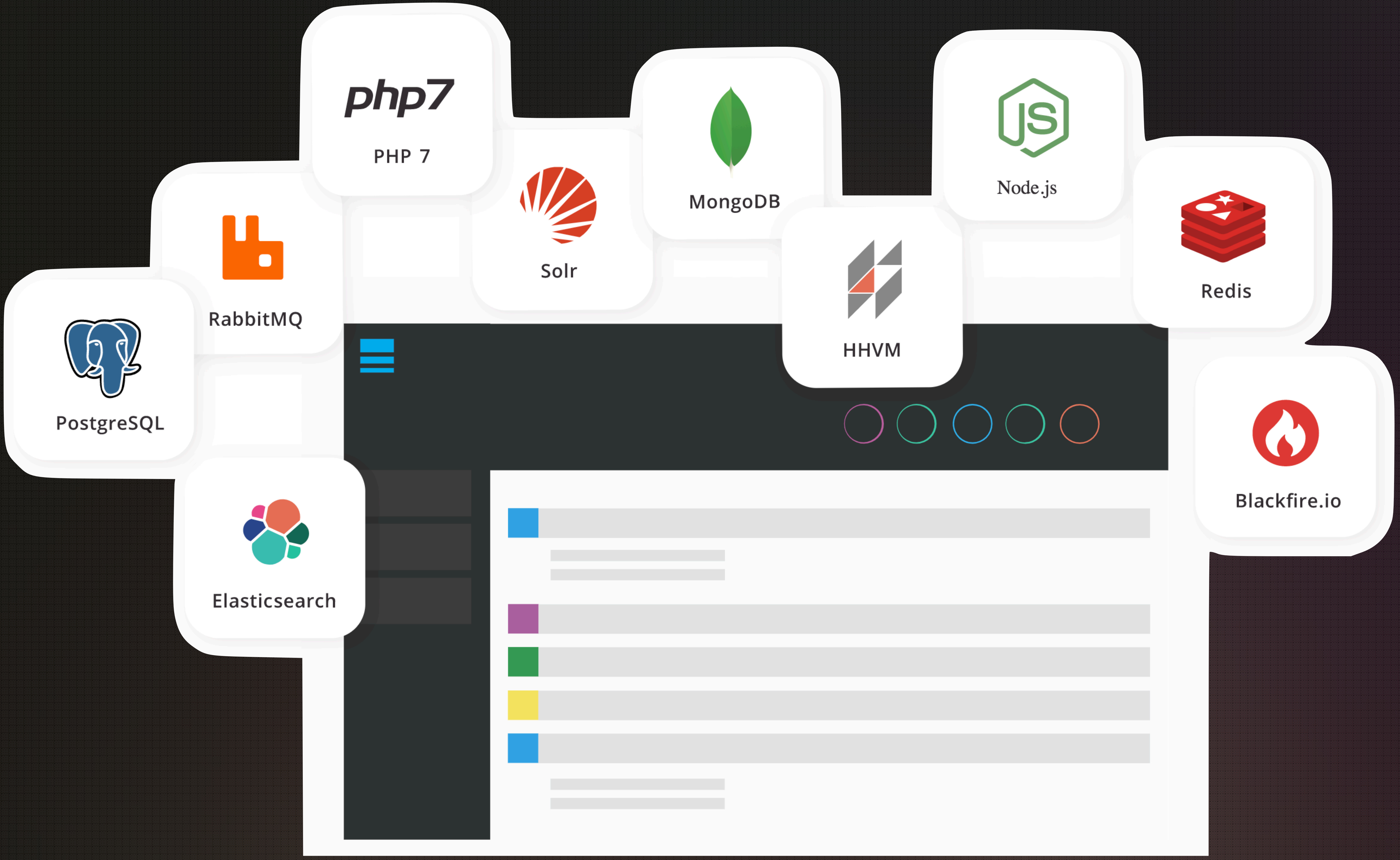
Software

as a

Service

salesforce

platform.sh



Fully Managed Stack

For Modern Web Applications

Platform.sh

- ✓ **Automated high-availability** everything
- ✓ **Git-driven** infrastructure
- ✓ Multi-cloud, multi-app, multi-stack
- ✓ **Performances** and **Security** out of the box
- ✓ **No**Ops

Continuous delivery

- **GIT-driven**
  - One **branch** == One **environnement**
- stage environments **on the fly** with **up-to-date data**
  - **Fast** byte-for-byte **cloning**
- No more QA bottleneck
- Fail proof, **predictable deployments**

Platform.sh “services”

A subset interesting for eZ

- PHP 7
- MySQL / MongoDB
- Redis / Memcached
- Solr / Elastic Search
- RabbitMQ

- XXXX can you tell which one is missing?

eZ Platform **Cloud**

eZ Platform Cloud

eZ Systems

+

Platform.sh

- ✓ **Unified support and SLA**
- ✓ One single contact point
- ✓ **Optimized** architecture
- ✓ Hosting + Software

Enterprise Benefits

- ✓ **Global Delivery** Network
  - ✓ **CloudFront** for **assets**
  - ✓ **Fastly** for **pages**
- ✓ **Triple-redundant stack**
- ✓ **99.99% SLAs** and **24/7/365 support**

Git Workflow

Create a branch

Add commits

Open Pull Request

Code review

User Acceptance

Where?

Merge

Now you have to deploy? And test?

Open Pull Request with platform.sh

- NEW ENV! **feature-something**.mywebsite.com
- **Up-to-date data!**

Open Pull Request with platform.sh

platform.sh

- **feature1-something**.mywebsite.com
- **feature2-something**.mywebsite.com
- **featureN-something**.mywebsite.com

eZ Conference 2018

Merge === Deploy with platform.sh

Done! Changes are live!

To sum up

- ✓ **DevOps** efforts **reduced** by **80%**
- ✓ **Faster** User **Acceptance**
- ✓ **Focus** on your **business**
- ✓ Better **productivity**
- ✓ **More deployments, more often** in **less time**

That’s not all

eZ **Launchpad** is **Cloud** ready

eZ Launchpad

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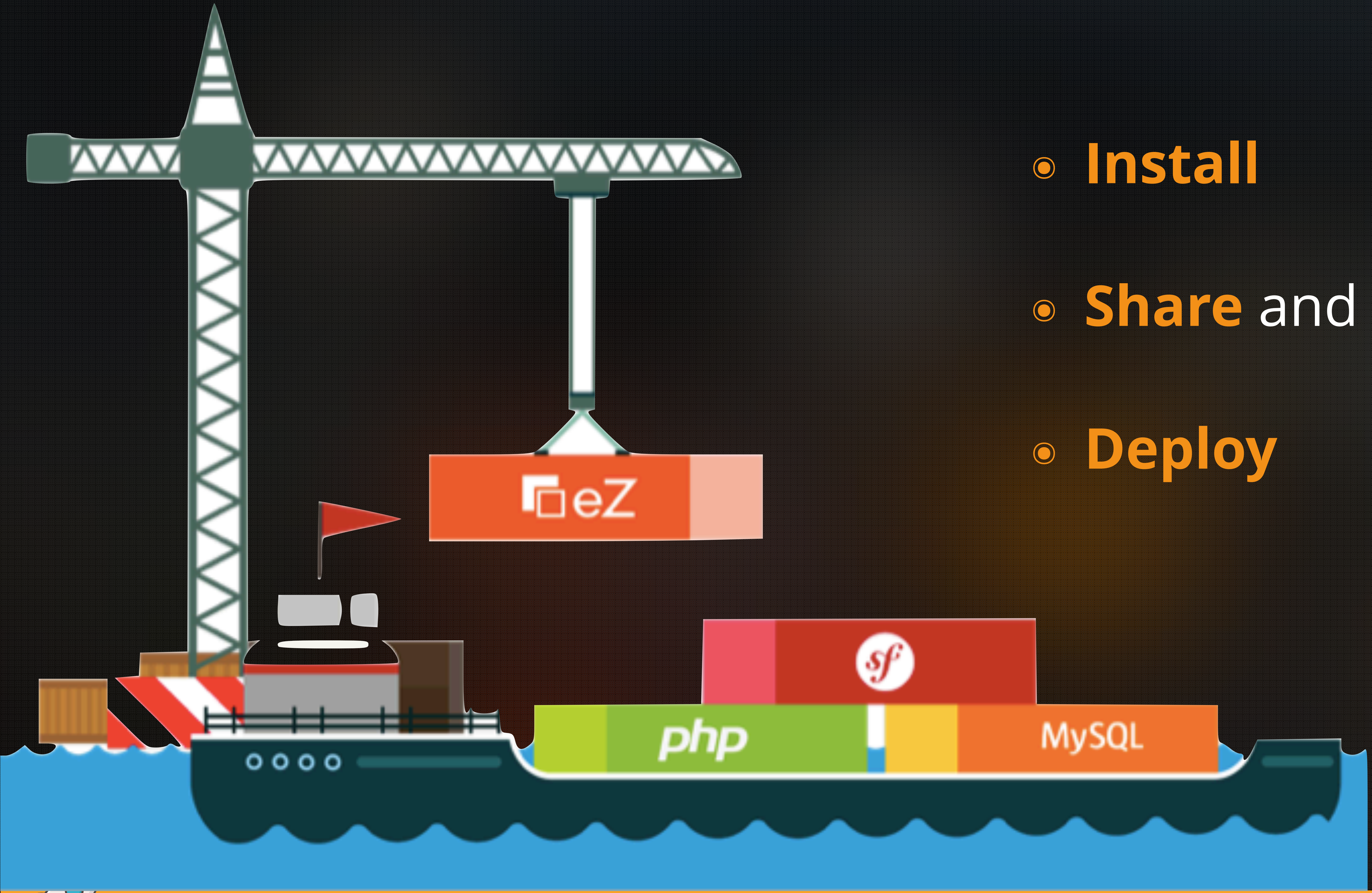
```

eZ Launchpad

- ➡ **eZ** to install
- ➡ Install **eZ**
- ➡ And the rest of your **architecture locally**
- ➡ **Configure** Platform.sh according to it

- **curl -LSs https://ezsystems.github.io/launchpad/install_curl.bash | bash**
- **~/ez init**
- **~/ez platormsh:setup**
- **git init|add|commit|push**

eZ Launchpad



- **Install**
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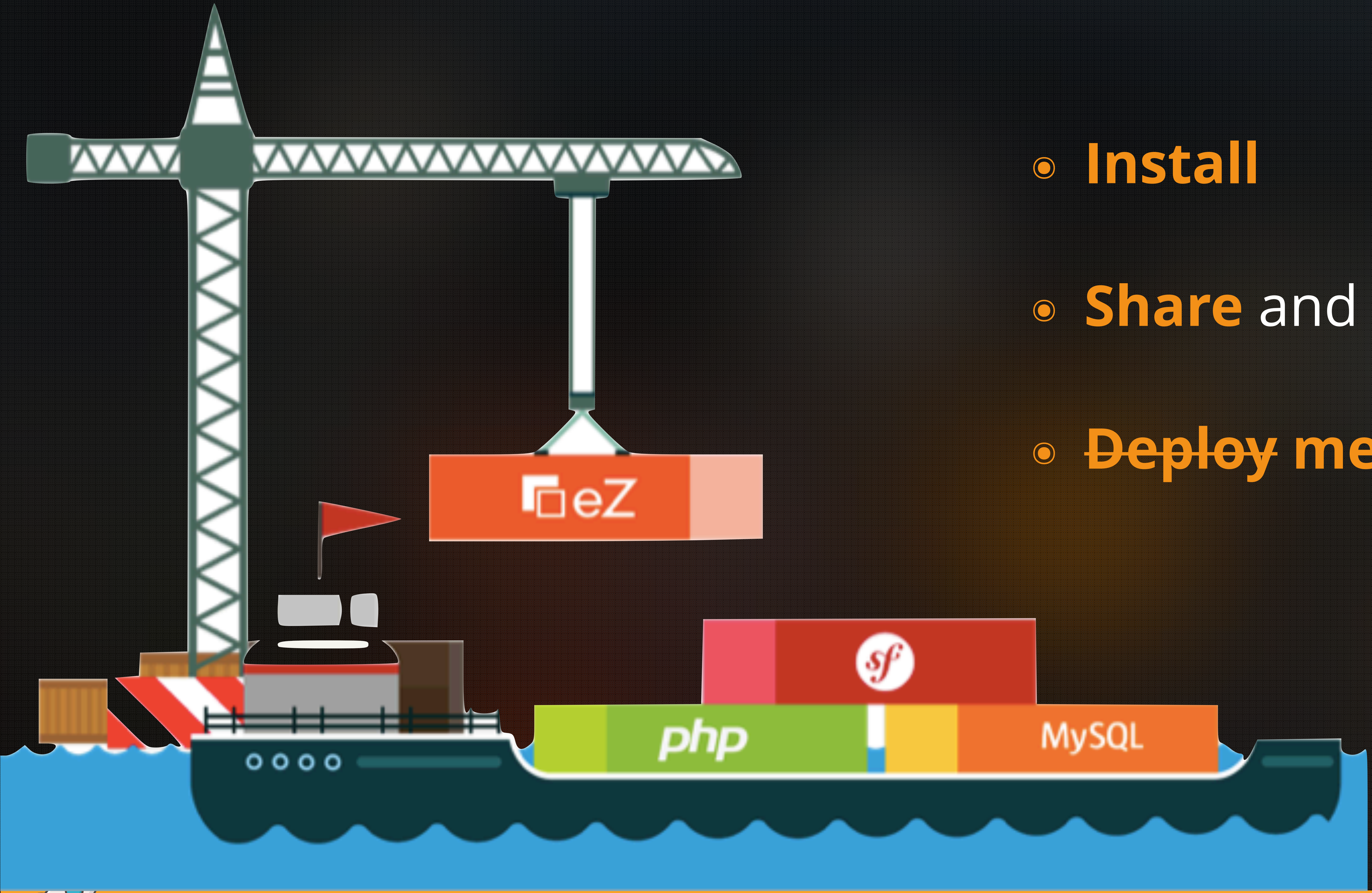
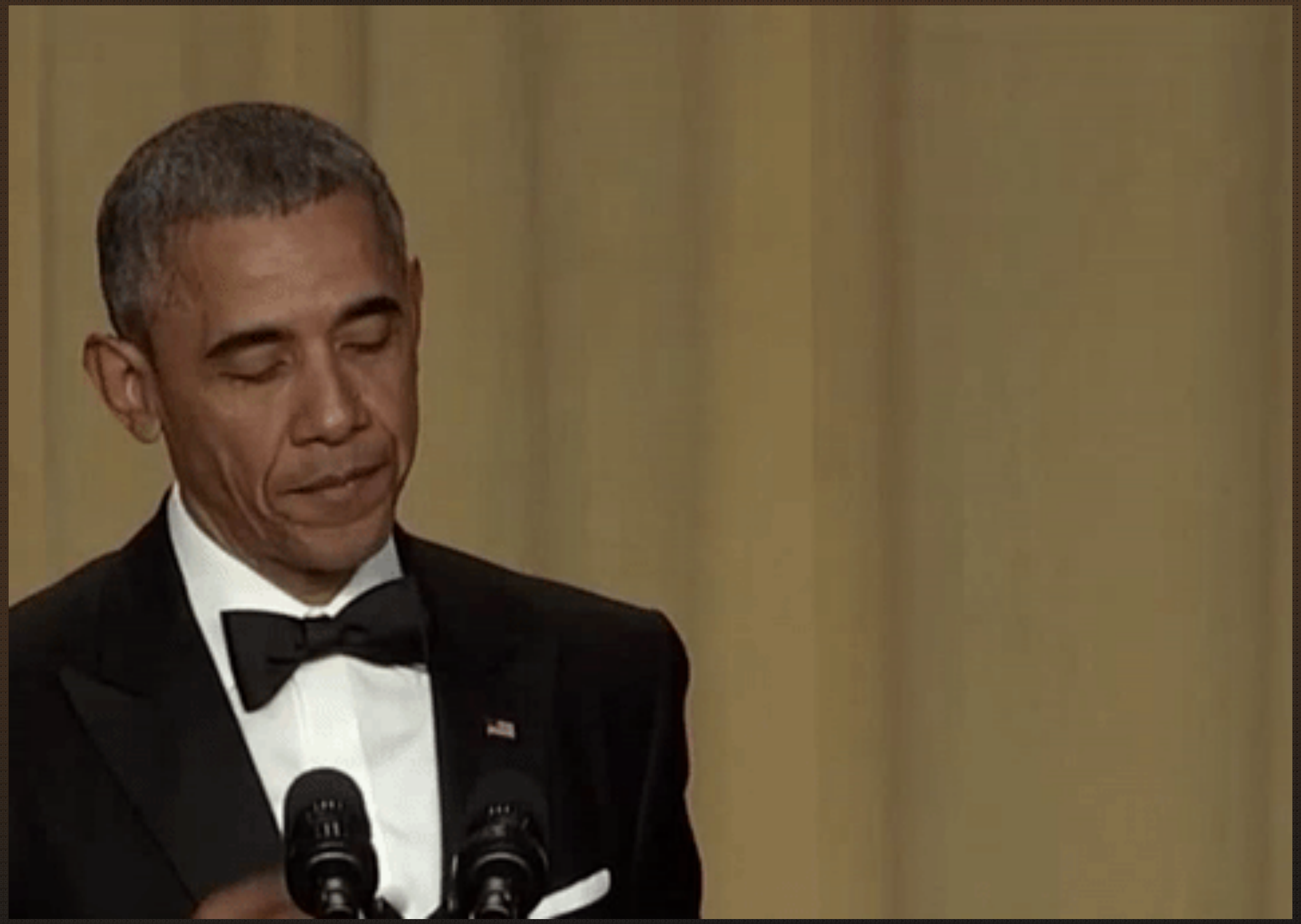
eZ Launchpad



- **Install**
- **Share** and collaborate,
- ~~**Deploy**~~ **merge** (or push)

“Don’t host, don’t deploy, don’t install - **just code**!”

–Plopix



Questions?

Thank you!

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