

Puffin
puffin.rocks



Docker Paris Meetup
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Concept

Introduction

Software repository for Docker containing
lightweight web applications

Hosting service with easy to use interface à la
mobile app store

Free as in freedom but also as a beer

Benefits For Users

Decentralization – run your own software

Simple user interface – accessible to average technical-oriented user

Easy to maintain – automatic updates, backup

No need to worry about a server
...if you don't want to

Benefits For Developers

Reach wider, less technical audience with your software

Capture small-scale deployment knowledge in a configuration file

Easy to add your software to the repository – it's just Docker Compose

Packages can be deployed anywhere Docker is supported

Free

Free as in freedom

Free as a beer

...with certain limitations

Multi-tenancy

Checkpoint and Restore

Comparison with other projects

Rancher – rancher.com

Bitnami – bitnami.com

Sandstorm – sandstorm.io

Implementation

General

Young project, alpha stage

Web application

Automatic Nginx reverse-proxy

Possible to install on a single server

One physical server, no clustering

Docker, Compose, Python, Flask, Postgres

Try it on puffin.rocks or clone the repository github.com/loomchild/puffin and deploy your own instance via docker-compose up

Software Repository

Example manifest.yml:

```
name: WordPress
logo: logo.png
description: |
    WordPress is a free and open source blogging tool
    and a content management system.
compose: docker-compose.yml
```

Example docker-compose.yml:

```
main:
  image: wordpress
  links:
    - db:mysql
  ports:
    - 80
db:
  image: mariadb
  environment:
    MYSQL_ROOT_PASSWORD: root
```

Demo

P alpha

[Log In](#) [Register](#)

Welcome to Puffin!

Puffin is a webapp store. It's the easiest way to run software on the net. [Learn more »](#)



ghost

Ghost is a blogging platform designed to simplify the process of online publishing for individuals.



ownCloud

ownCloud is a self-hosted file sync and share server.



Redmine

Redmine is a web-based project management and issue tracking tool.



Rocket.Chat

Rocket.Chat is a Web Chat Server.



WordPress

WordPress is a free and open source blogging tool and a content management system.

Future

Optimized images. **Custom domains.**
Automatic updates. **Backup.** Monitoring.
HAProxy. **Suspend.** sso. Simplified
application configuration. **Clustering.**
Volumes stored on NFS. Custom images.
Reproducible builds. **Inter-application
communication.** Resource quotas.

Questions and Feedback

Please tell me what you think, what potential issues do you see with this approach?

Github Issues:

github.com/loomchild/puffin/issues

Email:

puffin@puffin.rocks