Docker Paris Meetup #15 - 12/08/2014
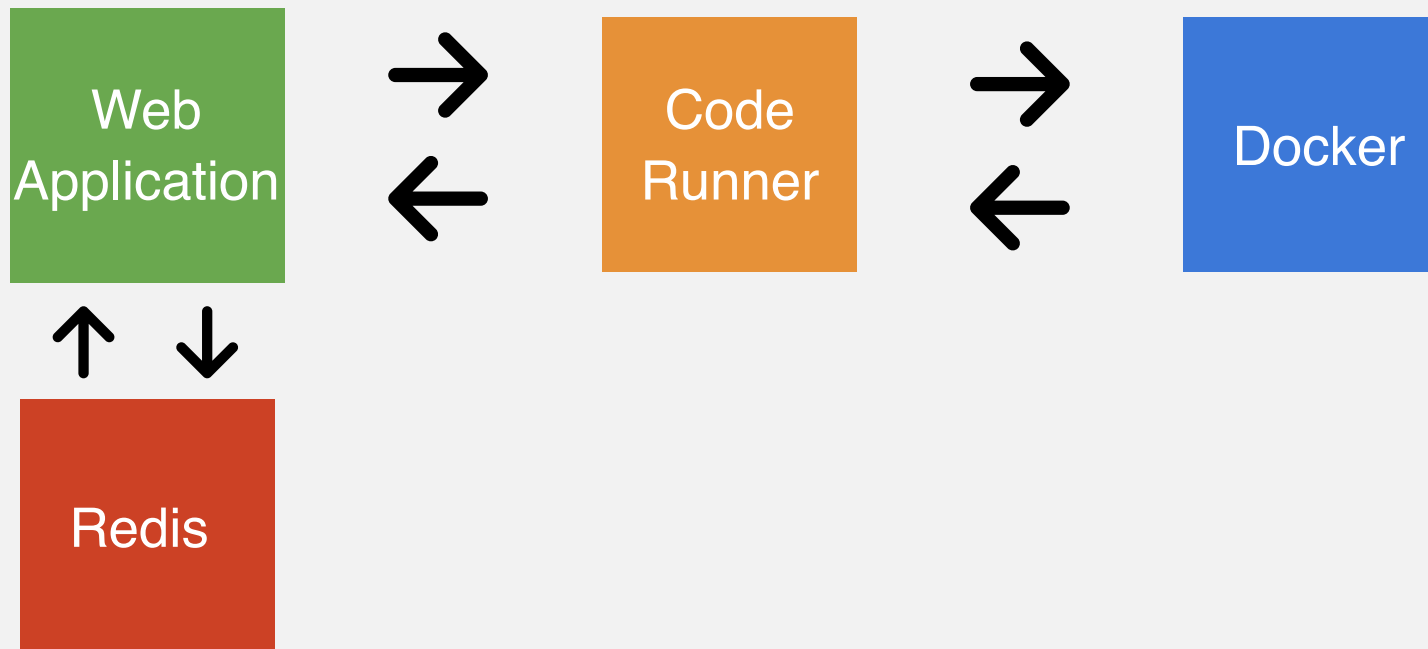

Grounds

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Under the hood

Web Application → Code Runner → Docker

Web Application ← Code Runner ← Docker

Web Application ↑ ↓ Redis

Code runner images

One image per language stack

- Easily pluggable / unpluggable
- Based on official language stack images

Official language stack images

- Simplicity
- Common layers
- Latest language stack version

Image example

Dockerfile

```
FROM ruby:latest

COPY run.sh /home/dev/run.sh

# Add a user with access to dev directory
RUN useradd dev
RUN chown -R dev: /home/dev

# Switch to user dev
USER dev

# Set working dir to app's location
WORKDIR /home/dev

# Start container with run.sh script
ENTRYPOINT ["/home/dev/run.sh"]
```

run.sh

```
#!/bin/sh

# Create a code file
echo "$1" > prog.rb

# Launch the program
ruby prog.rb
```

$> docker run exec-ruby "puts 'hello world!'"

hello world!

Security

Container

- Limited memory
- Short lifetime
- Destroyed after a run
- No root inside

Self Promotion

github.com/grounds

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Questions