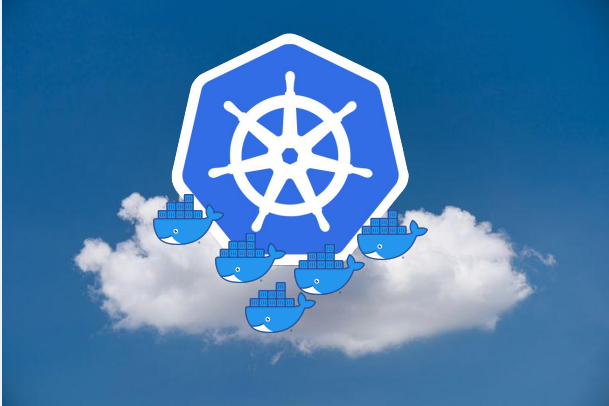
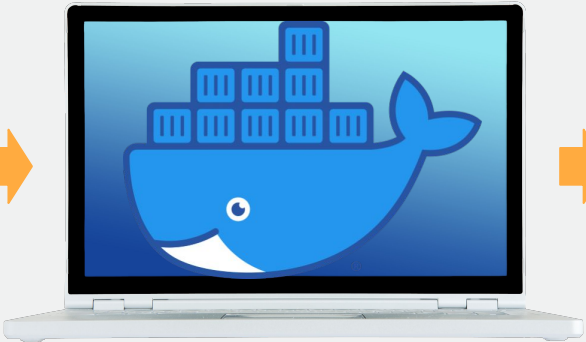
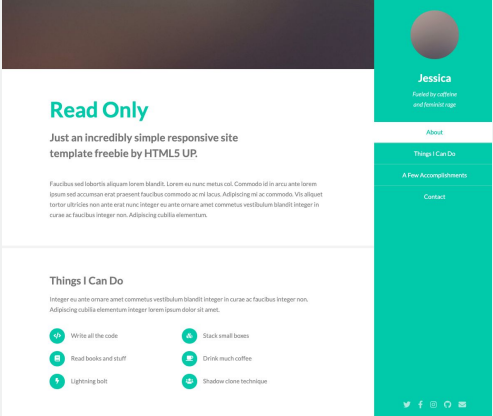
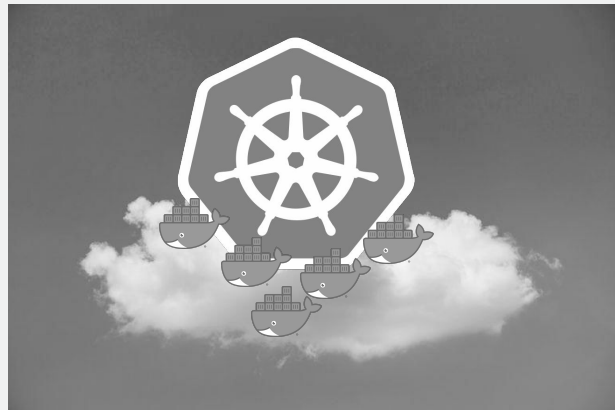
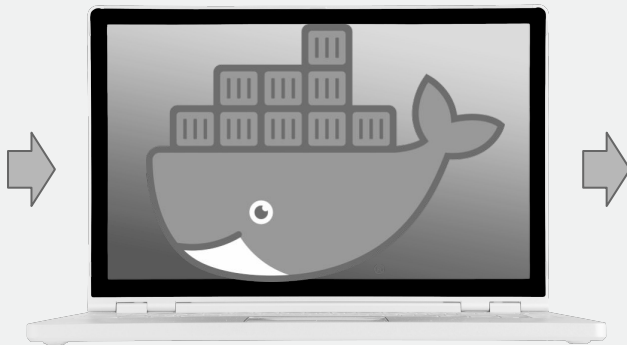
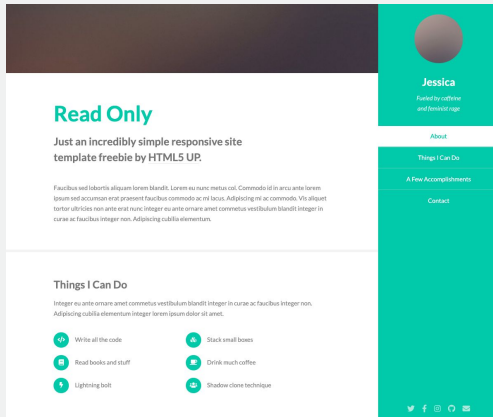


Ship it!

a workshop on how to package and deploy code by Annotell



What is our code in this case?



Our Code

- Static Webpage - <https://html5up.net/>
- This method could be applied to any sort of program

HTML5 UP



Fully
Responsive



Built on intelligent
HTML5 + CSS3



Super
Customizable



100% Free under the
Creative Commons

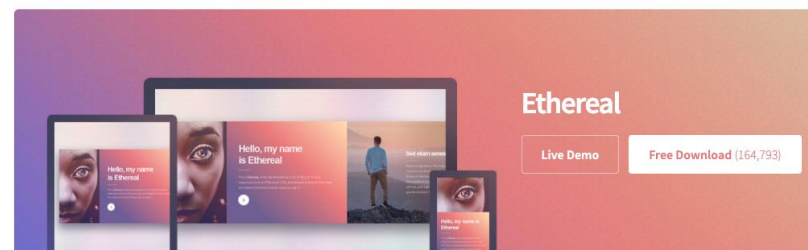
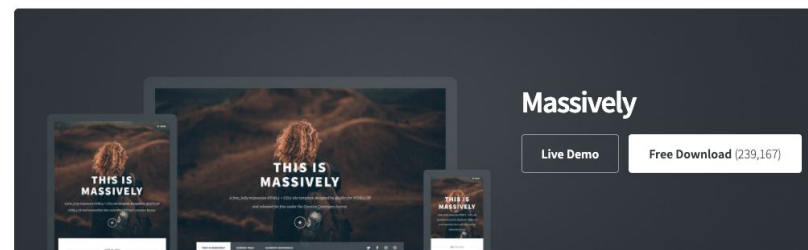
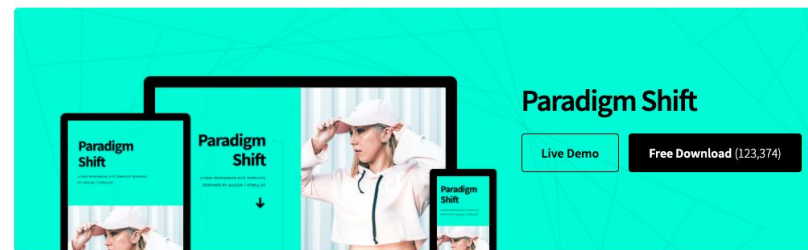
... makes **spiffy HTML5**

site templates that are:

Like Tweet

Get notified when I release new stuff!

Follow @ajlkn



Read Only

Just an incredibly simple responsive site
template freebie by [HTML5 UP](#).

Faucibus sed lobortis aliquam lorem blandit. Lorem eu nunc metus col. Commodo id in arcu ante lorem ipsum sed accumsan erat praesent faucibus commodo ac mi lacus. Adipiscing mi ac commodo. Vis aliquet tortor ultricies non ante erat nunc integer eu ante ornare amet commetus vestibulum blandit integer in curae ac faucibus integer non. Adipiscing cubilia elementum.

Things I Can Do

Integer eu ante ornare amet commetus vestibulum blandit integer in curae ac faucibus integer non. Adipiscing cubilia elementum integer lorem ipsum dolor sit amet.



Write all the code



Read books and stuff



Lightning bolt



Stack small boxes



Drink much coffee



Shadow clone technique



Jessica

*Fueled by caffeine
and feminist rage*

About

Things I Can Do

A Few Accomplishments

Contact



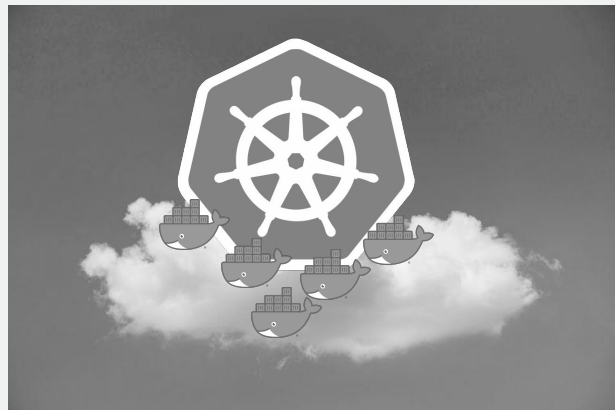
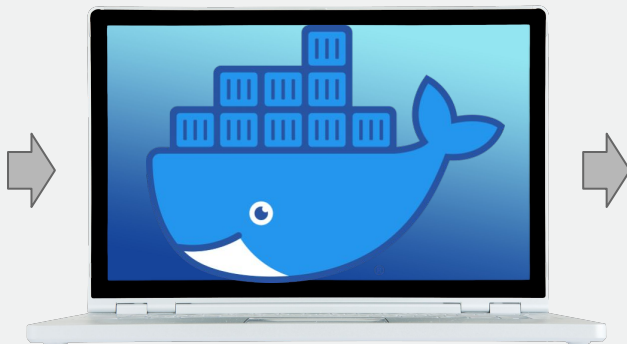
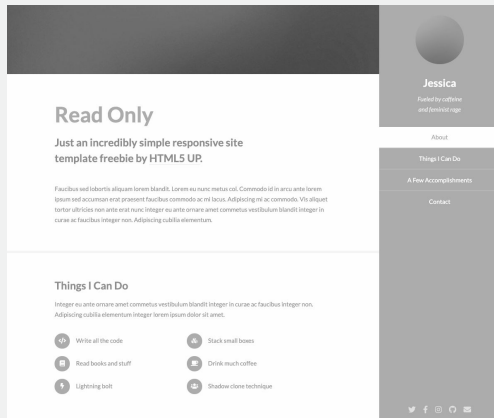
Speaker notes for previous slide

We would like to know that the code will **behave in a similar way** when we **deploy it to production**, as it does on our computer. But right now we're looking at a **file on my laptop!** And that file **references images** also on my laptop. How can I be sure that all parts will be **available and work in a similar way** once I'm ready to **deploy to production**?

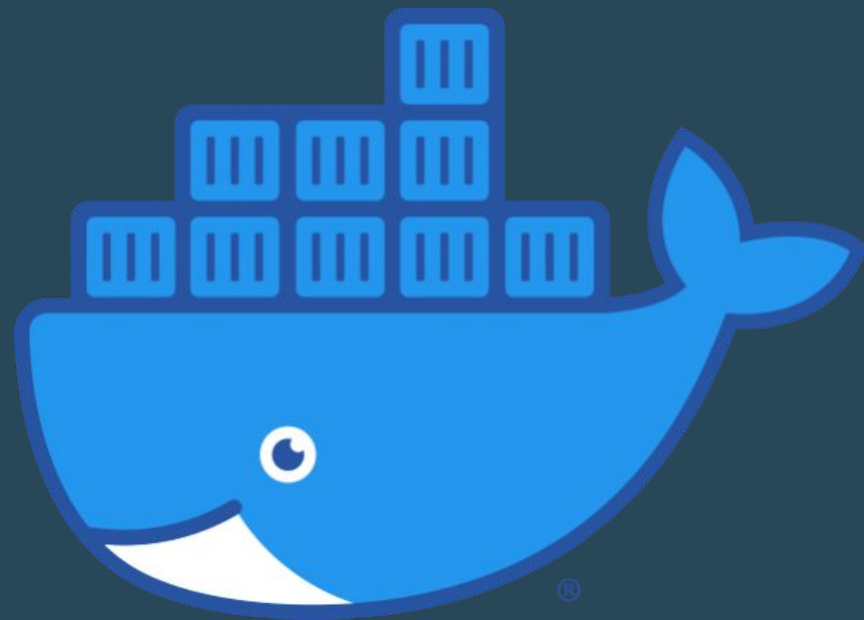
CONCLUSION: We'd like to package our code in some way

Show off in the browser

What do we mean when we say “package our code”?



Why containers?



Some pros with containers

- Works on my machine == works on your machine == works in production
- Isolated environments for each application
- Many different types of workloads can run on every ship (worker node)

How does it work?

dockerfile

ship-it >  Dockerfile > ...

1 FROM nginx:alpine

2 ADD src /usr/share/nginx/html

3 |

```
$ docker build -t datatjej:1.0 .
```

Docker! Build us an image!

We want to name it..

```
$ docker build -t datatjej:1.0 .
```

.. to be NAME:TAG

Using the recipe (Dockerfile) in this folder

```
$ docker build -t datatjej:1.0 .
```

```
Sending build context to Docker daemon 3.235MB
```

```
Step 1/2 : FROM nginx:alpine
```

```
alpine: Pulling from library/nginx
```

```
ba3557a56b15: Pull complete
```

```
1a18b9f93d41: Pull complete
```

```
38ceab6c6432: Pull complete
```

```
6104f3bd82cc: Pull complete
```

```
750e0e12d70c: Pull complete
```

```
d7c38a871210: Pull complete
```

```
Digest: sha256:14536d83ca3128923ee7c2f7f4f285e023abd40f3ccdc8911f56cd4119558506
```

```
Status: Downloaded newer image for nginx:alpine
```

```
---> eb9291454164
```

```
Step 2/2 : ADD src /usr/share/nginx/html
```

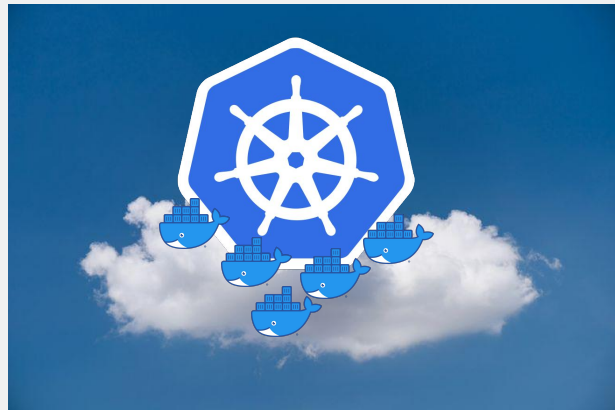
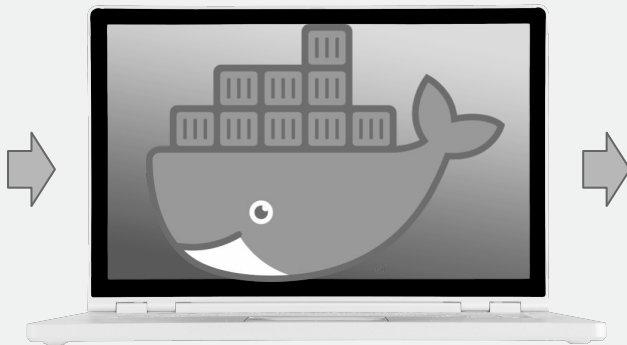
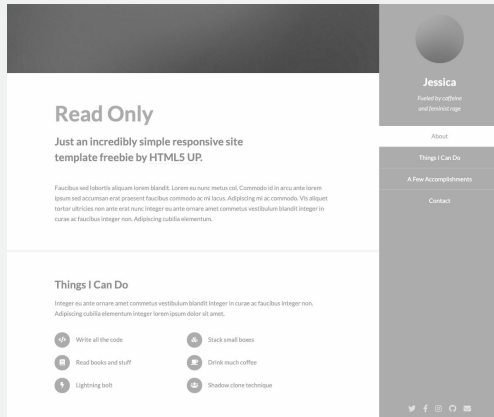
```
---> 2452fe5bb82c
```

```
Successfully built 2452fe5bb82c
```

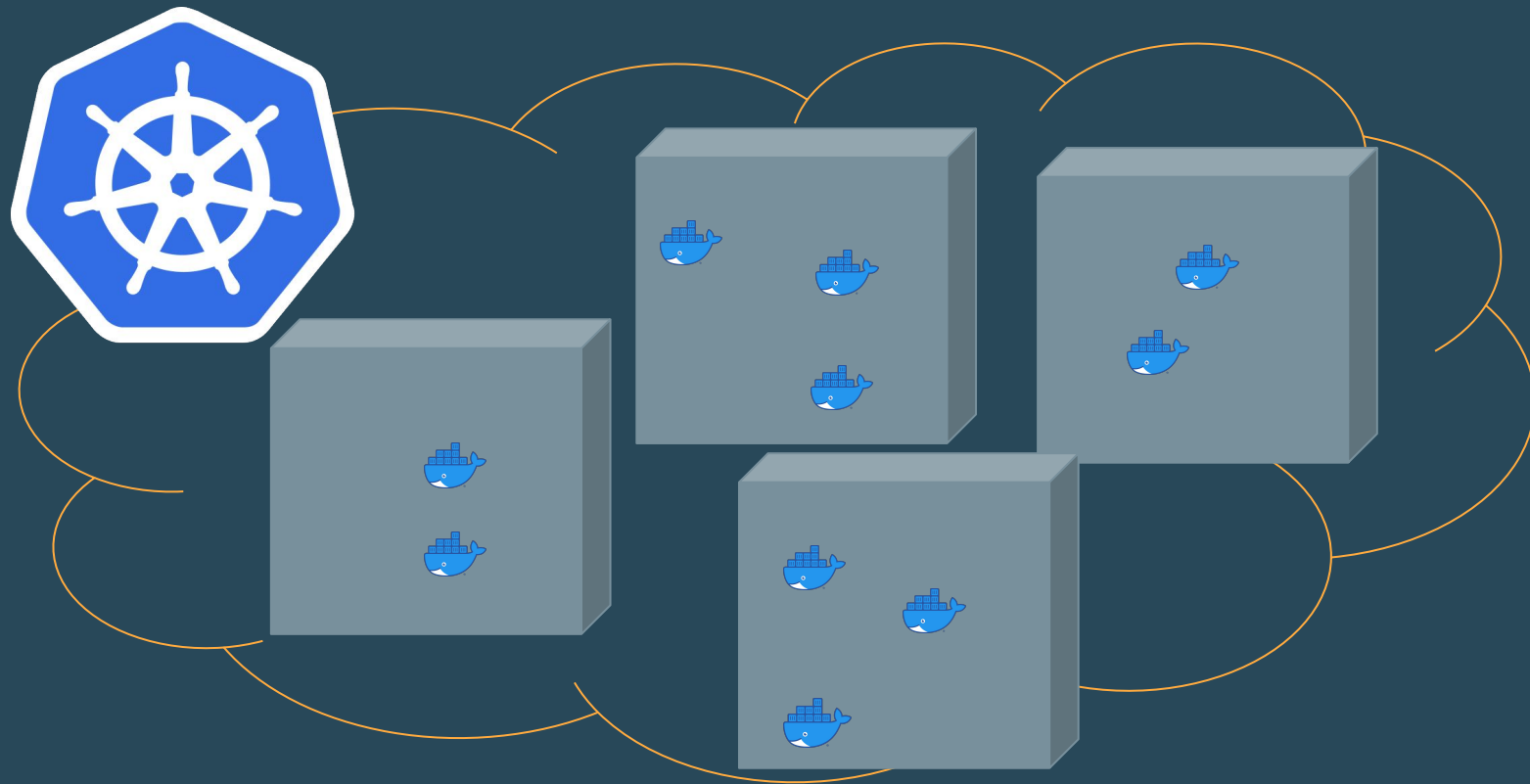
```
Successfully tagged datatjej:1.0
```


**Okay, so we have a container, now
what?**

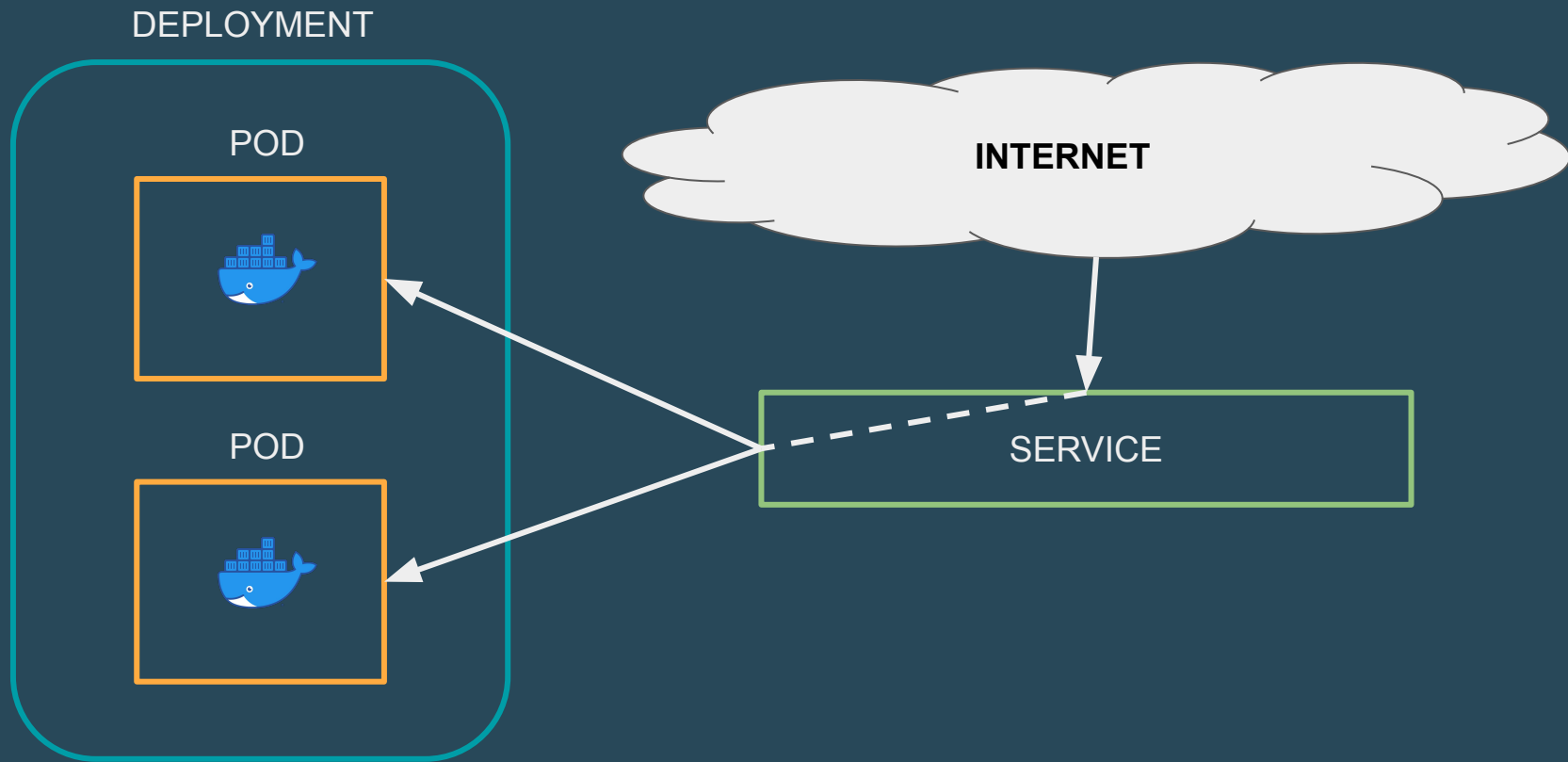
What do we mean when we say “package our code”?



**How can a production env for
containers look?**



Okay, cool!
**How do I tell Kubernetes to run my
application?**



Minikube vs kubernetes local vs cloud

Questions?