

Cypressio Docker Tests

Write containerized tests in cypressio

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Videos Lessons:

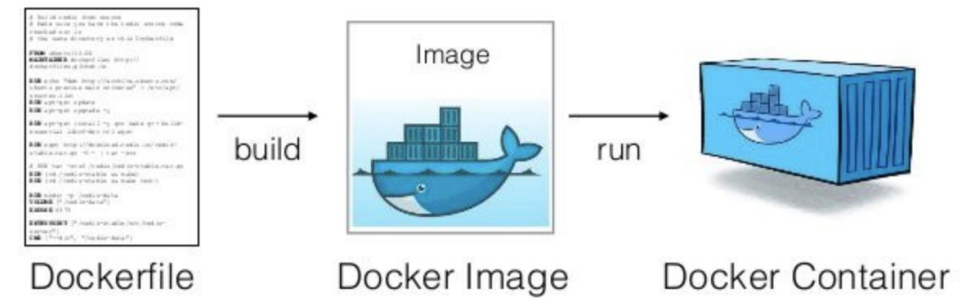
<https://engineers-hub.teachable.com/p/cypressio>

Docker

Containerisation, Docker Image and virtually deployed Cypress Tests



- Docker is an open-source project that automates the deployment of applications inside software containers. It is promoted by the company Docker, Inc
- Engineers can use Docker to pack, ship, and run any application as a lightweight, portable, self sufficient LXC container that can run virtually anywhere. Therefore, “*Containers gives you instant application portability.*”
- Docker provides this same capability without the overhead of a virtual machine. It lets you put your environment and configuration into code and deploy it. The same Docker configuration can also be used in a variety of environments. This decouples infrastructure requirements from the application environment.



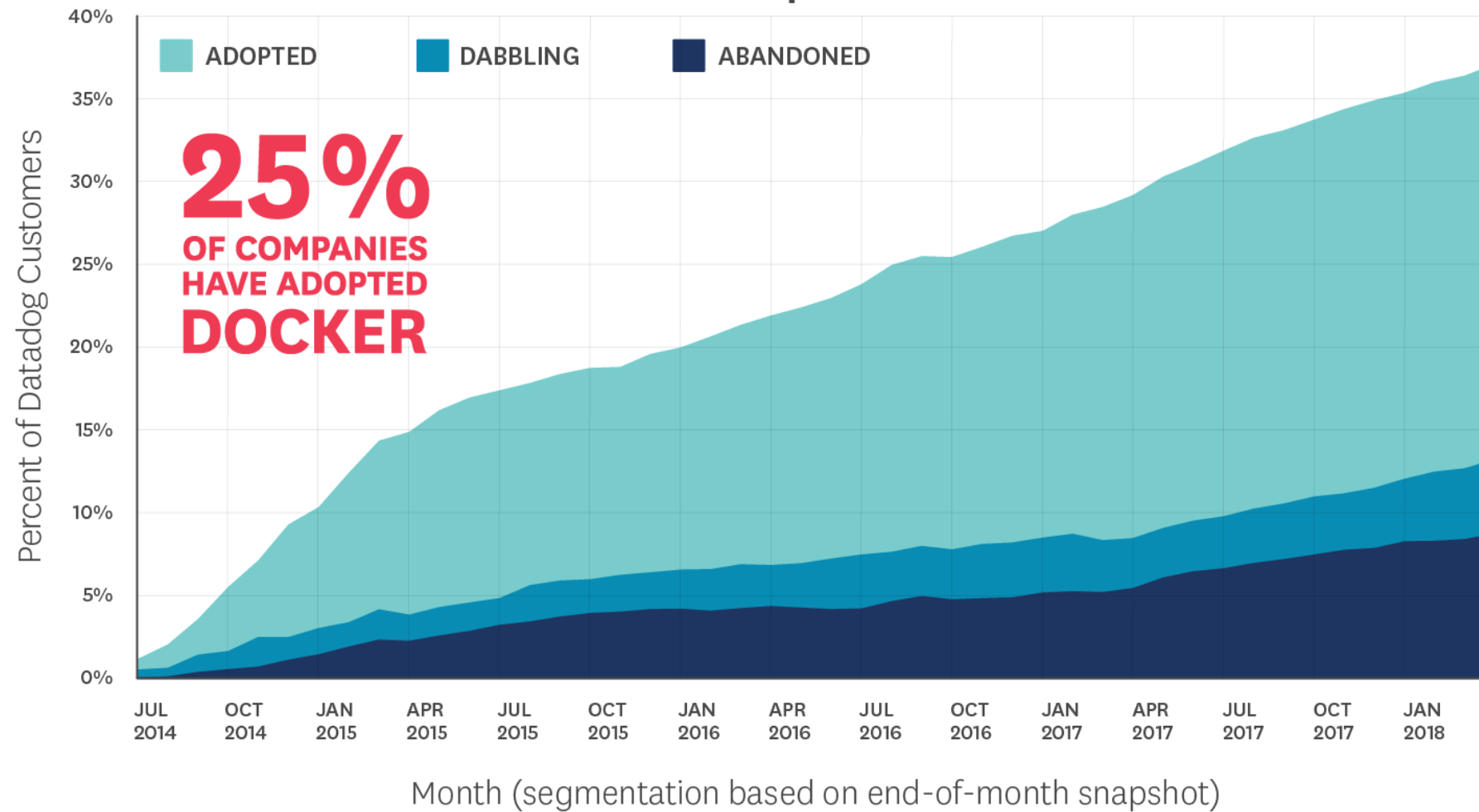
Credits:

Amulya Saxena at https://www.slideshare.net/AmulyaSaxena5/docker-and-containerization?qid=374b7a51-63b6-41a9-a1cd-e8c5d8cf2fd4&v=&b=&from_search=1
Nilesh Jayanandana at <https://medium.com/platformer-blog/practical-guide-on-writing-a-dockerfile-for-your-application-89376f88b3b5>

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Docker Adoption Behavior



Source: Datadog

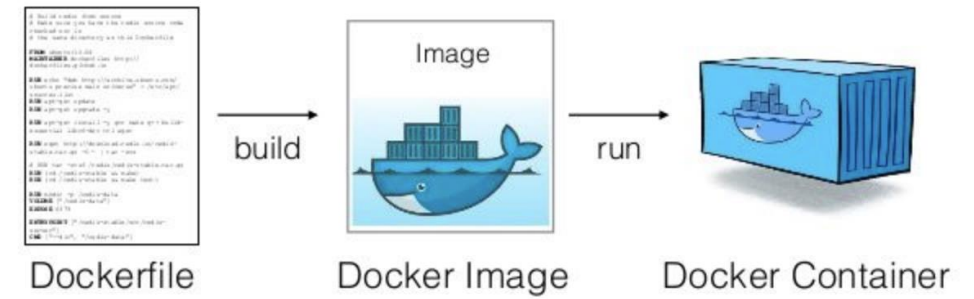
Cypress Configuration

Containerisation, Docker Image and virtually deployed Cypress Tests



- “dockerfile”
- “.dockerignore”
- “docker-compose.yml”

Install Docker in computer and run the tests with:
docker build -t cypress .



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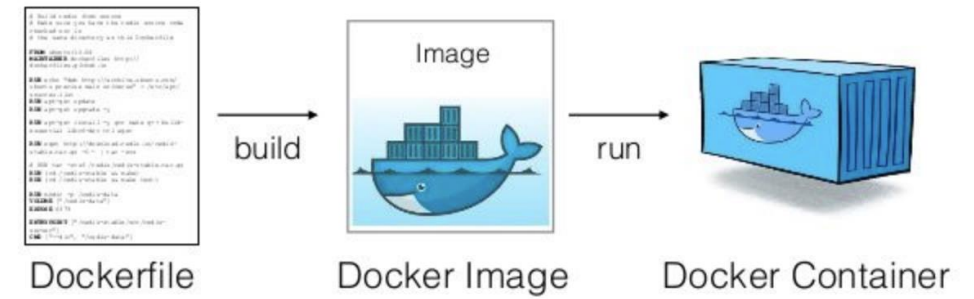
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Docker File

Containerisation, Docker Image and virtually deployed Cypress Tests



```
FROM cypress/browsers:node13.6.0-chrome80-ff72
# make directory inside container
RUN mkdir /cyTests
WORKDIR /cyTests
# copy cypress code from host to container
COPY . /cyTests
# execute the tests
RUN npm install
RUN npm link
RUN npm link cypress-cucumber-preprocessor
RUN npm install through
RUN npm run test:mochawesomereport
#RUN $(npm bin)/cypress verify
RUN $(npm bin)/cypress run --browser firefox
RUN $(npm bin)/cypress run --browser chrome
```





```
naray@DESKTOP-SMANHTC MINGW64 /e/udemy/github/cypress/cypress-test-techniques (master)
$ docker build -t cypress .
Sending build context to Docker daemon 64.84MB
Step 1/22 : FROM cypress/browsers:node13.6.0-chrome80-ff72
node13.6.0-chrome80-ff72: Pulling from cypress/browsers
3f0fdd3eaac0: Already exists
```




(Run Finished)

Spec		Tests	Passing	Failing	Pending	Skipped
features/homeOrangehrmCompatibilityTests.feature	00:41	4	4	-	-	-
features/homeOrangehrmDropdownA11yTests.feature	00:18	1	1	-	-	-
features/homeOrangehrmDropdownTests.feature	00:19	1	1	-	-	-
features/homeOrangehrmMouseEvent.feature	00:49	5	5	-	-	-
features/homeOrangehrmTest.feature	01:07	7	7	-	-	-
features/loginOrangehrm_signInTest.feature	00:09	1	1	-	-	-
features/loginOrangehrmA11yAudit.feature	00:06	1	-	1	-	-
features/loginOrangehrmTest.feature	00:05	1	1	-	-	-
features/loginVisualTest.feature	00:10	1	-	1	-	-
features/recruitmentOrangehrmUploadTests.feature	00:15	1	1	-	-	-
2 of 10 failed (20%)	04:03	23	21	2	-	-



Thank You

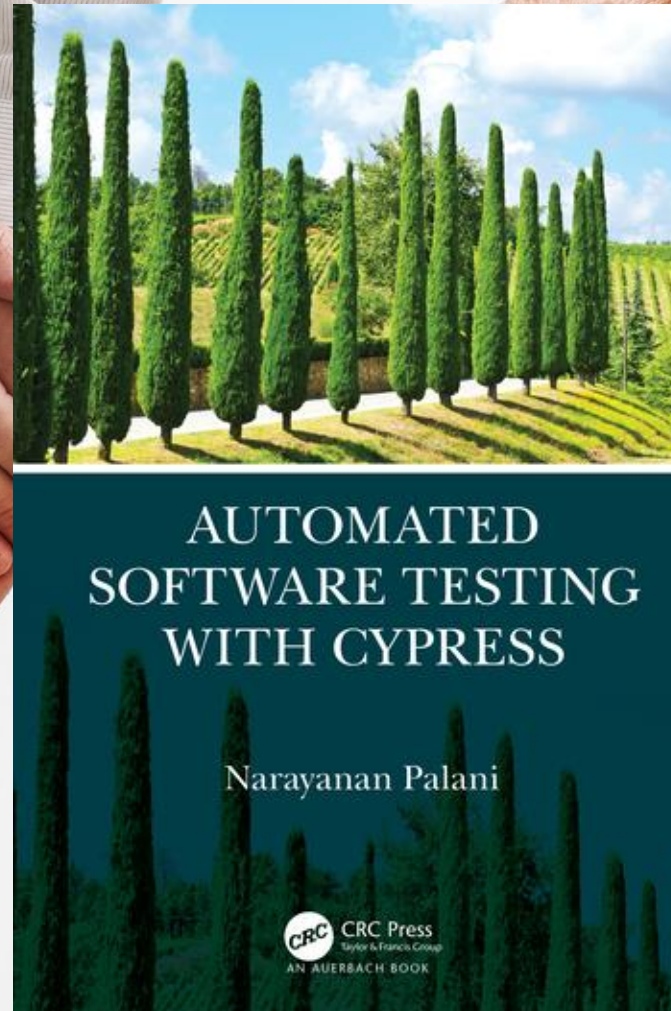
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