Introduce the scenario
Web front end running on LAMP
Using API back end running on Windows

Agenda

Introduction

1. Admin
2. Docker on Windows
3. Demo app

Workshop

1. Docker & Windows Containers
2. Modernizing the platform
3. Modernizing the architecture

Meet the team

Michael Friis

Brandon Royal

Stefan Scherer

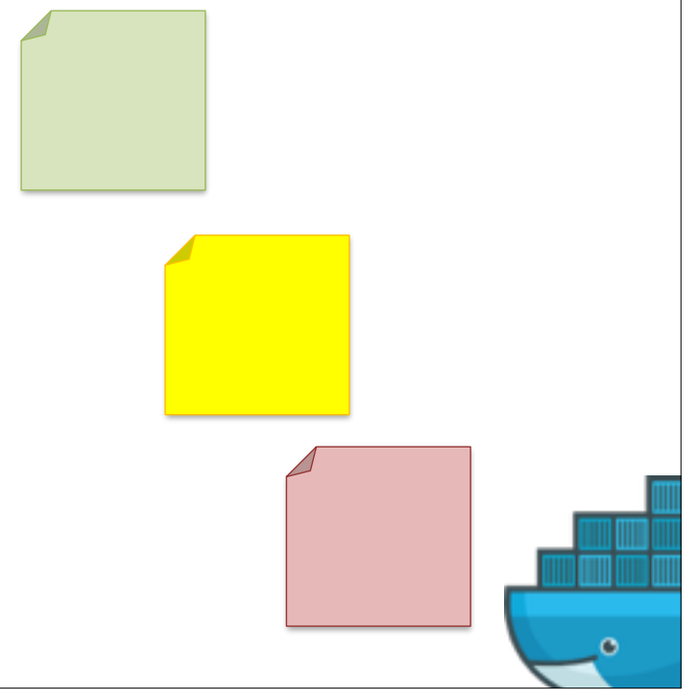
Elton Stoneman

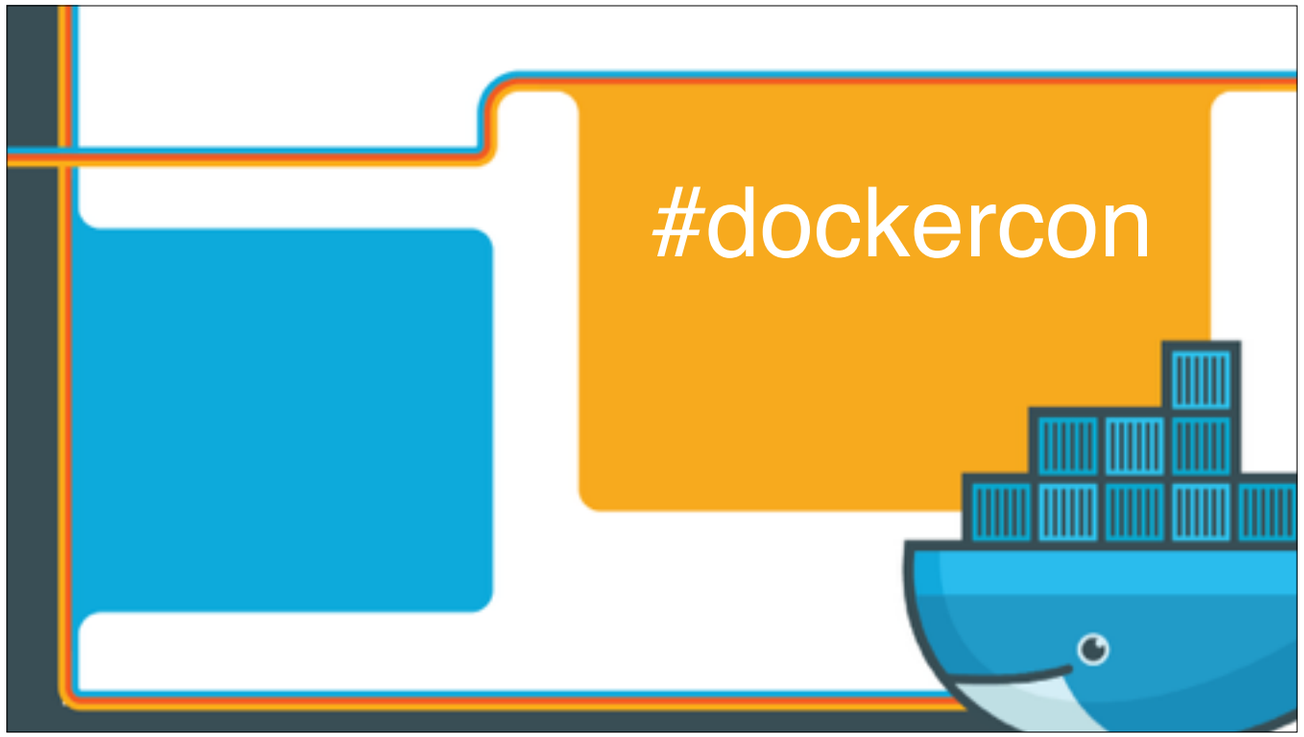
Protocol

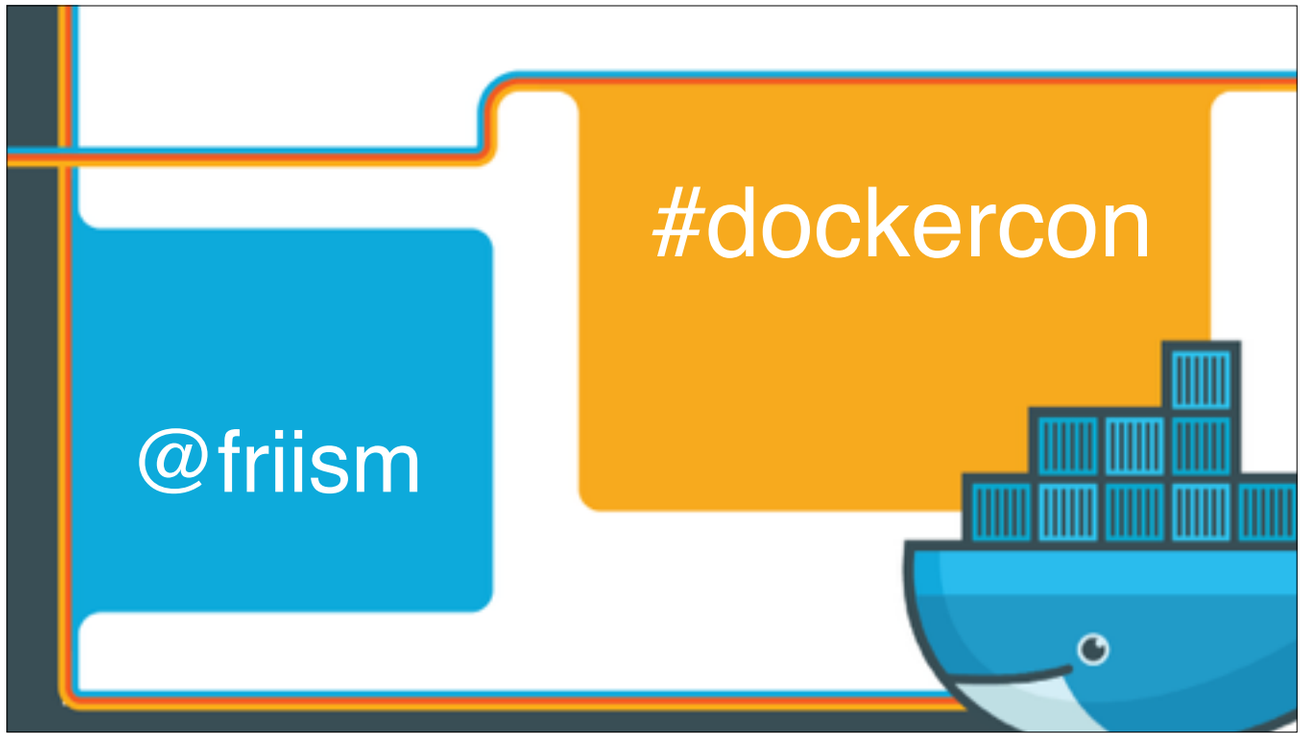
Green: done

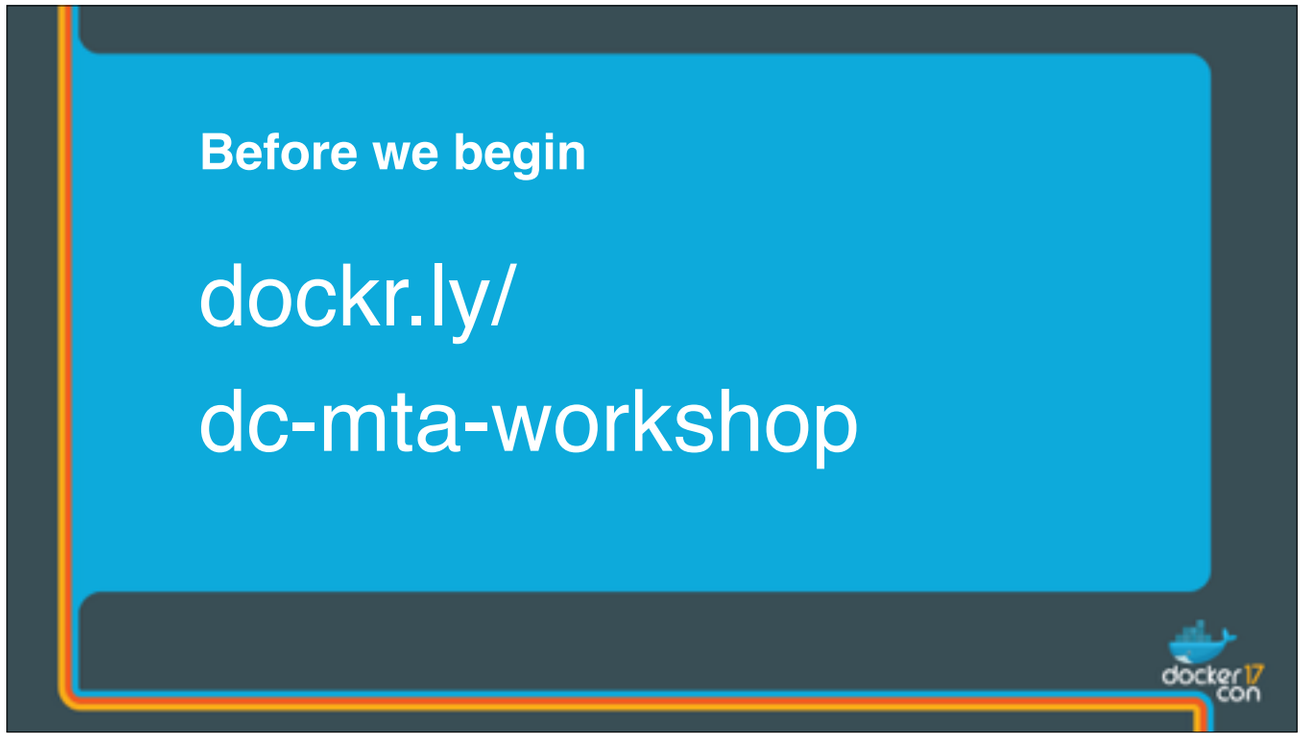
Yellow: need advice

Red: HELP!




#dockercon


#dockercon
@friism

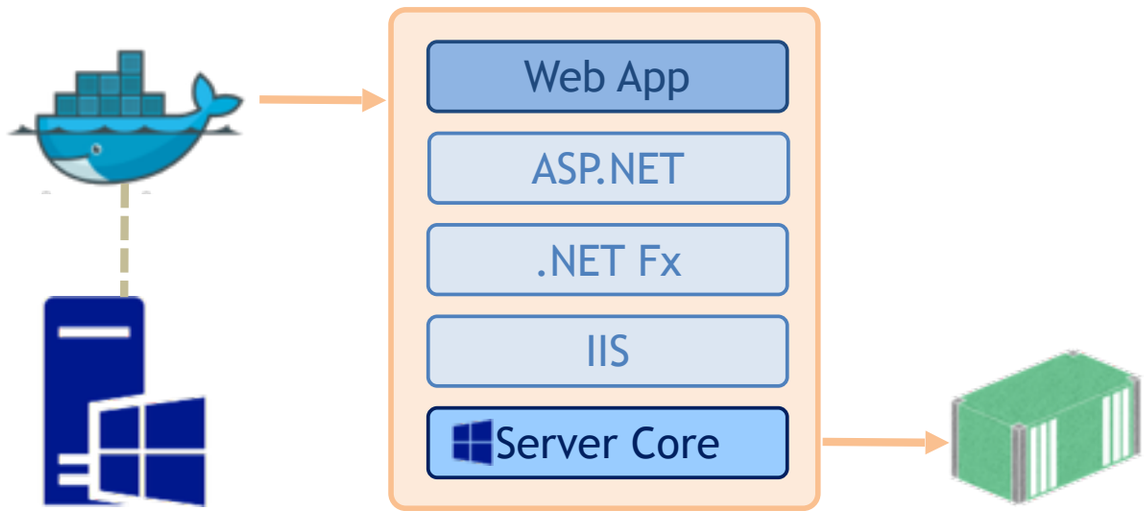

Before we begin
dockr.ly/
dc-mta-workshop
docker17 con

build

ship

run

```
> docker build
```



```
FROM microsoft/aspnet:windowsservercore

COPY UpgradeSample-1.0.0.0.msi /

RUN msiexec /i c:\UpgradeSample-1.0.0.0.msi
RELEASENAME=2017.02 /qn
```

```
# escape=`
FROM microsoft/windowsservercore
SHELL ["powershell", "-Command"]

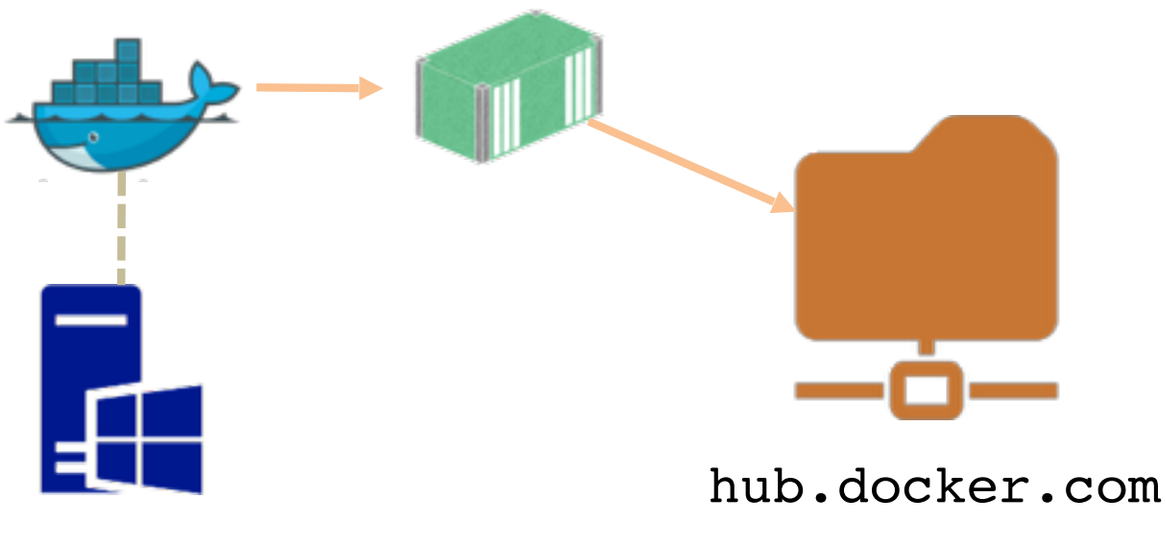
RUN Add-WindowsFeature Web-server, `
                       NET-Framework-45-ASPNET, Web-Asp-Net45;
`
    Remove-Website -Name 'Default Web Site'

COPY ProductLaunchWeb /product-launch-web
RUN New-Website -Name 'product-launch' `
                -PhysicalPath 'C:\product-launch-web' -Port 80

EXPOSE 80

COPY bootstrap.ps1 /
ENTRYPOINT ./bootstrap.ps1
```

```
> docker push
```



Pulls
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docker hub
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PULLS

```
> docker run
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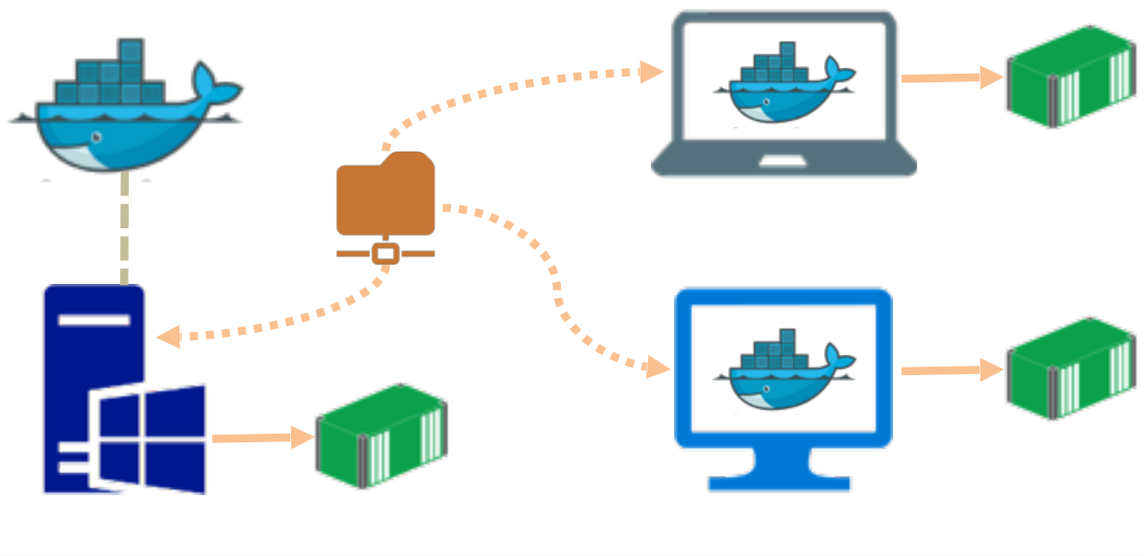
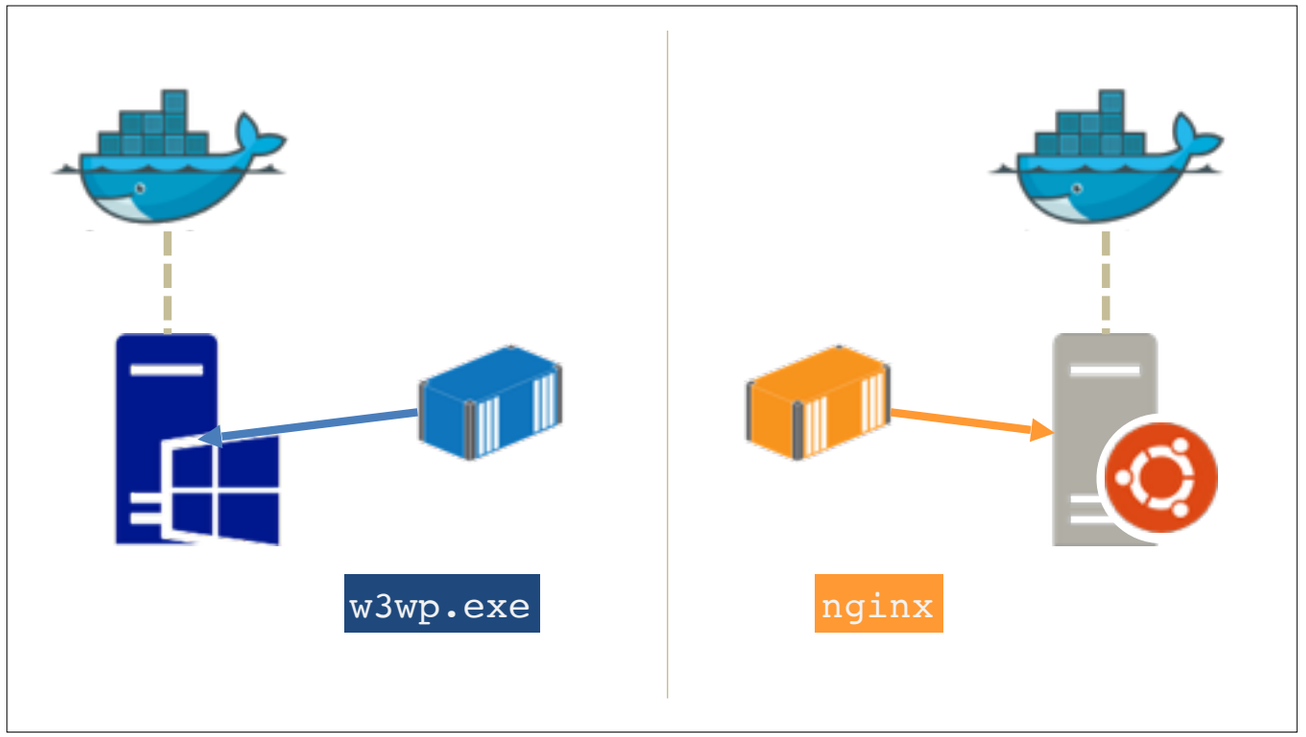
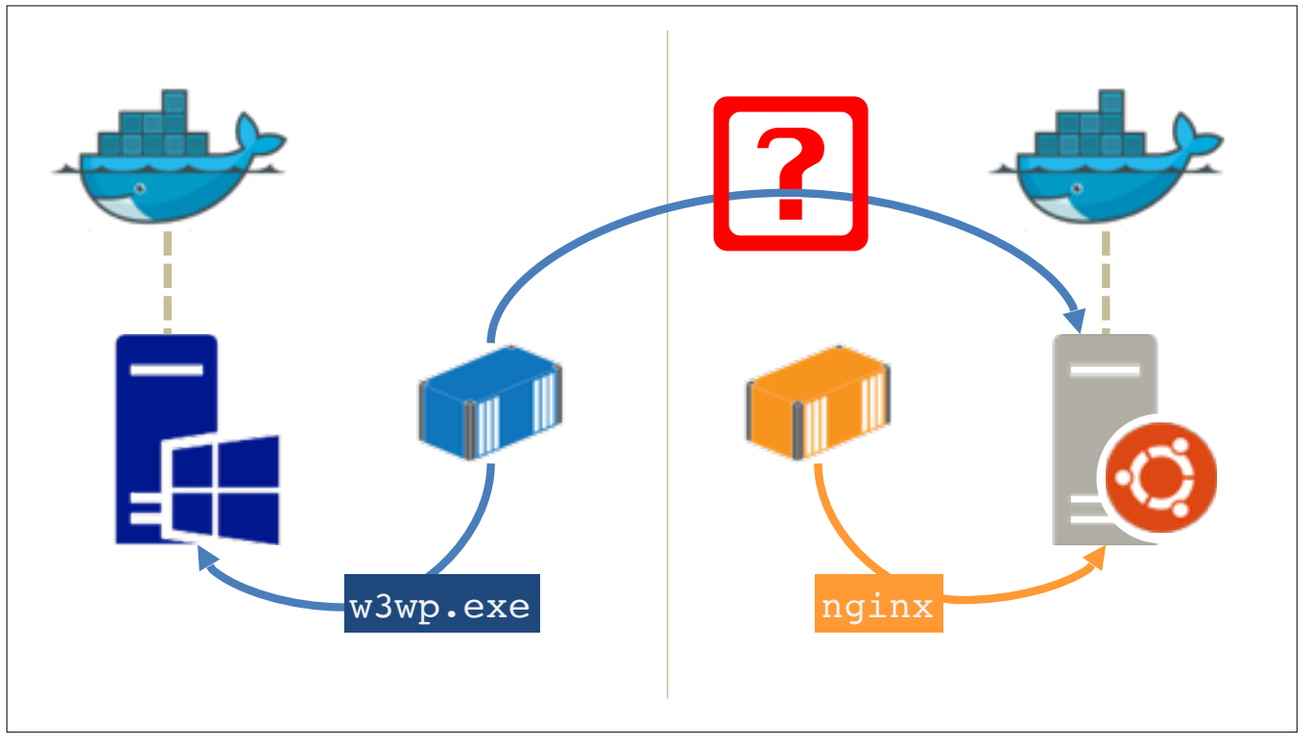


Dude, what about Linux?


w3wp.exe
nginx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w3wp.exe
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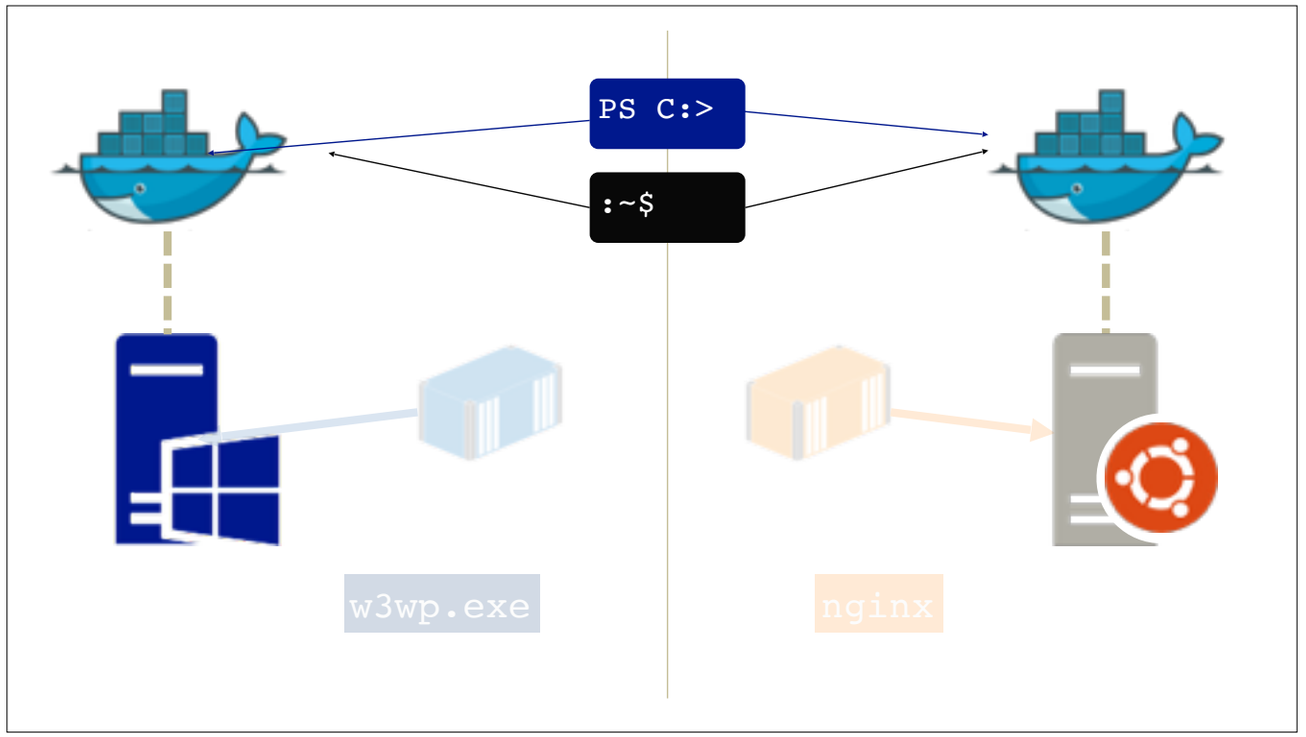
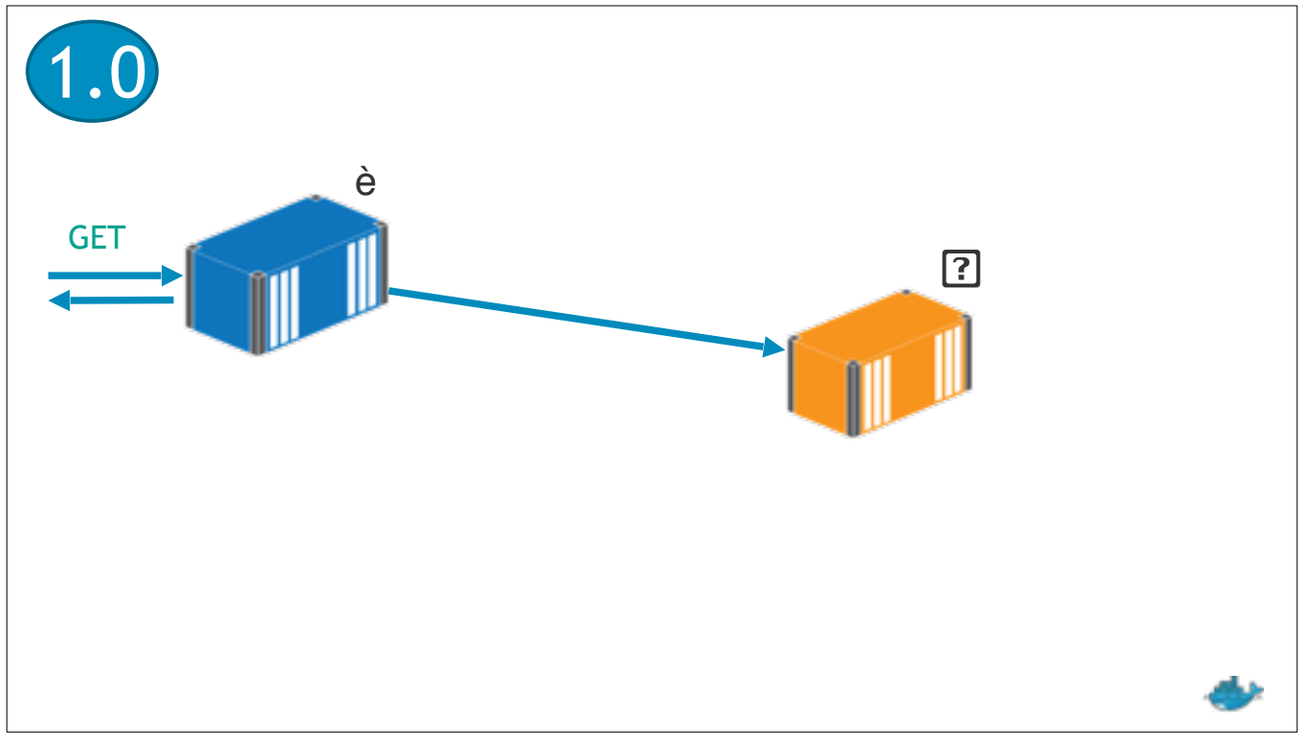

PS C:>
:~$
w3wp.exe
nginx

The Demo App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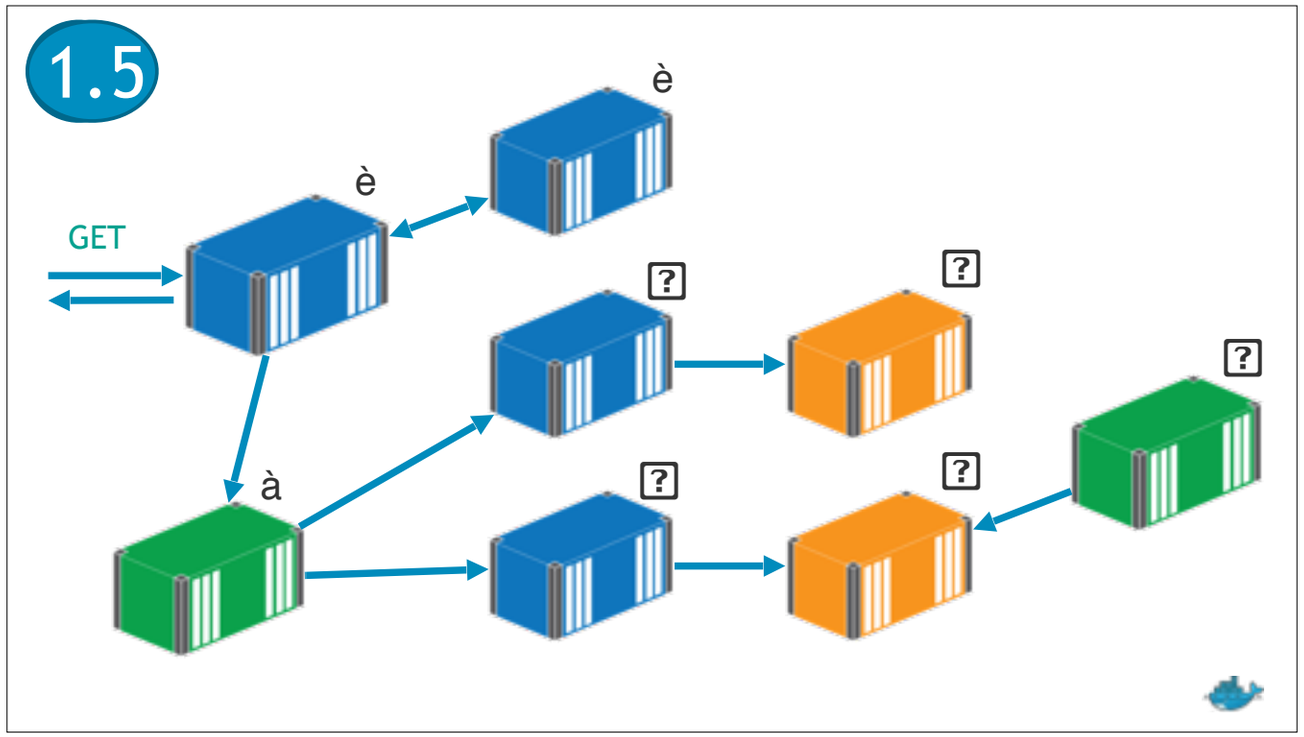
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Part 1:
Docker on Windows

Show the app running across two VMs
Highlight different management interfaces
Talk around deployment and upgrade options

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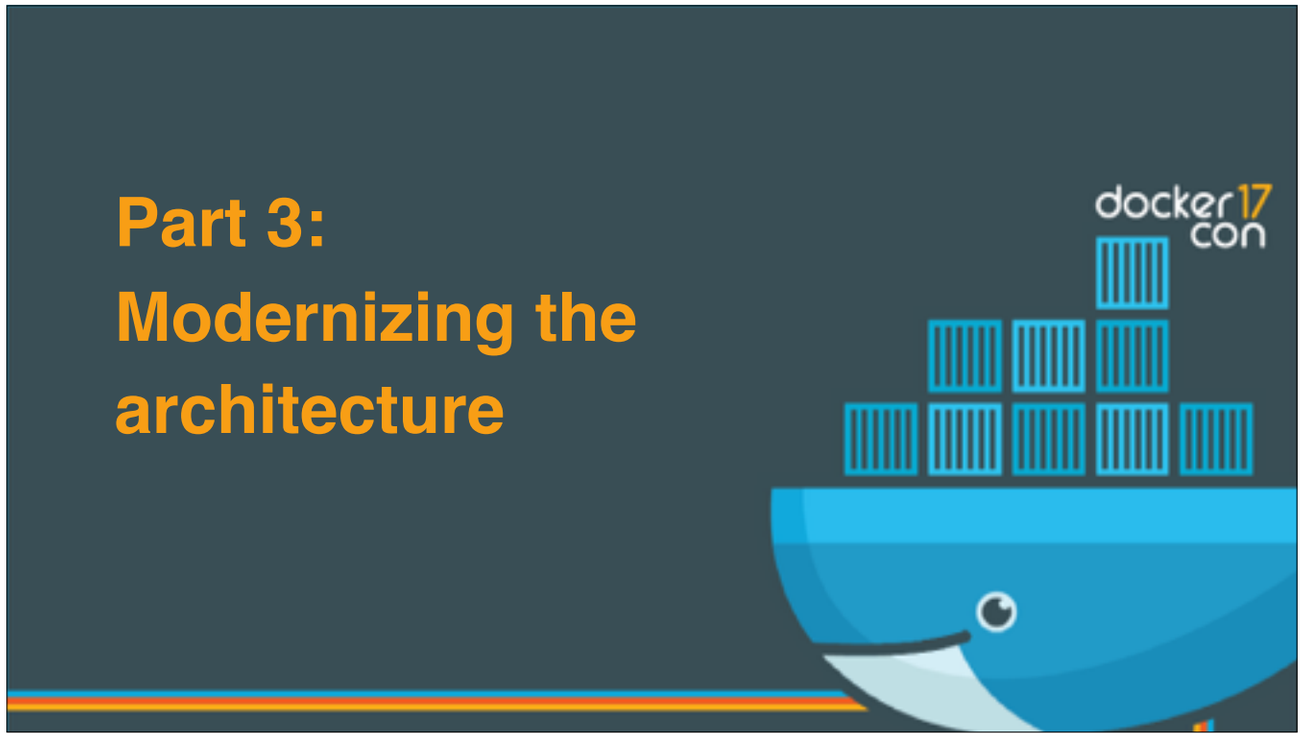

Show the app running across two VMs
Highlight different management interfaces
Talk around deployment and upgrade options

Thank you!

Try the Hands-On Labs for swarm mode!

#dockercon @friism @brandon_royal @stefscherer @EltonStoneman