MICROSERVICES, CONTAINERS AND KUBERNETES

Sebastián Gómez

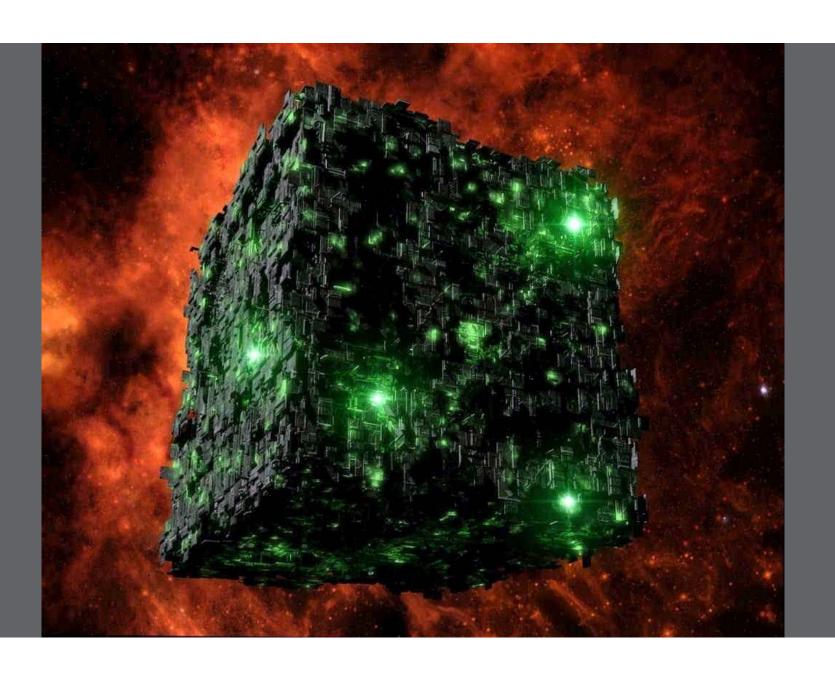


🔰 @sebagomez

#GX28

The power doing.





#### WHAT IS MICROSERVICES?

#### Monolithic



#### Microservices



# Conway's Law Monolithic Microservices











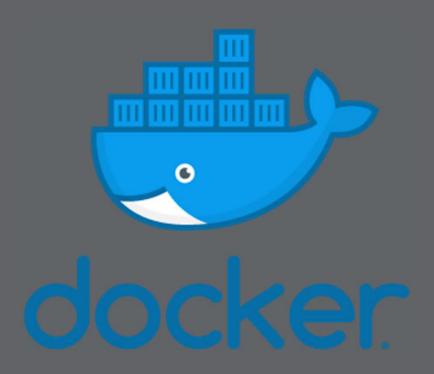


#### The team

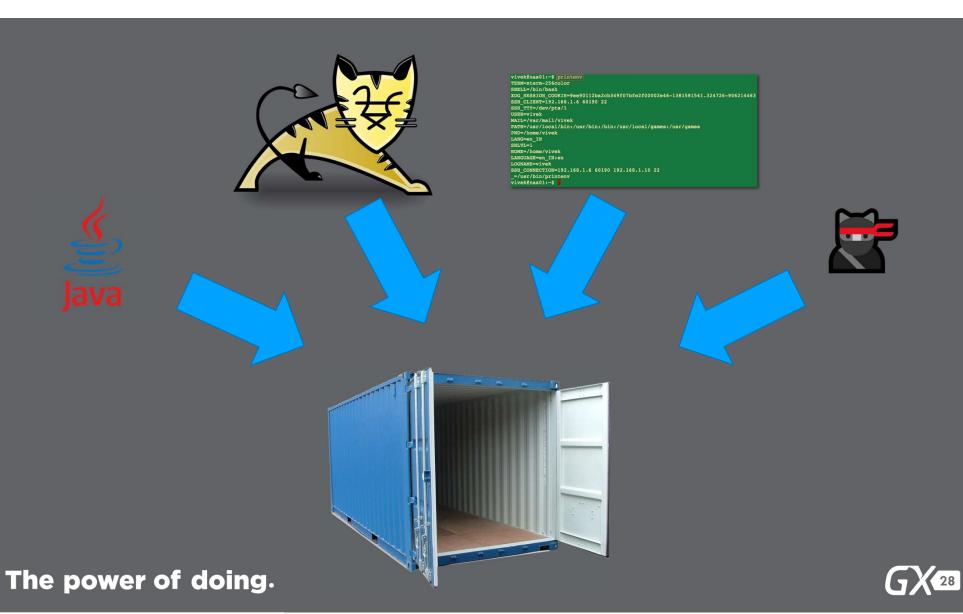
Autonomous
Size: 2 pizzas
Pick tech stack (including DBMS)
Continuous delivery
"You build it, you run it"
Prepare for chaos



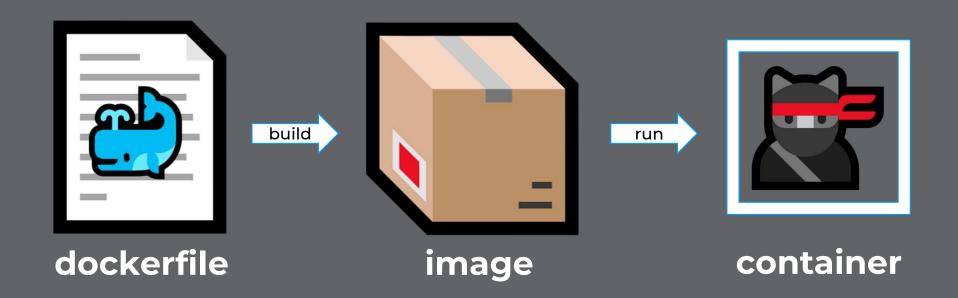








# actually... no





```
# Dockerfile generated by GeneXus (.NET Core)
FROM microsoft/dotnet:2.1.1-aspnetcore-runtime
LABEL maintainer="seba gomez <sgomez@genexus.com>"
ENV GXAPPVERSION=v1
WORKDIR /app
COPY ["GX28/20180923122144", "/app"]
ENTRYPOINT ["dotnet", "bin/GxNetCoreStartup.dll"]
```

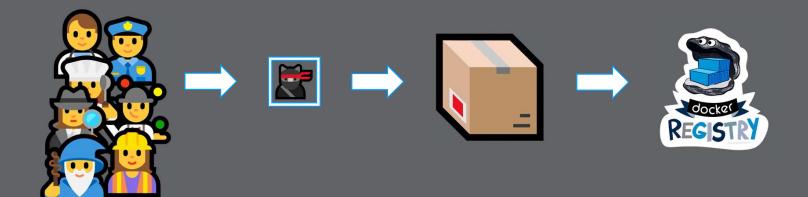


## VMs vs Containers







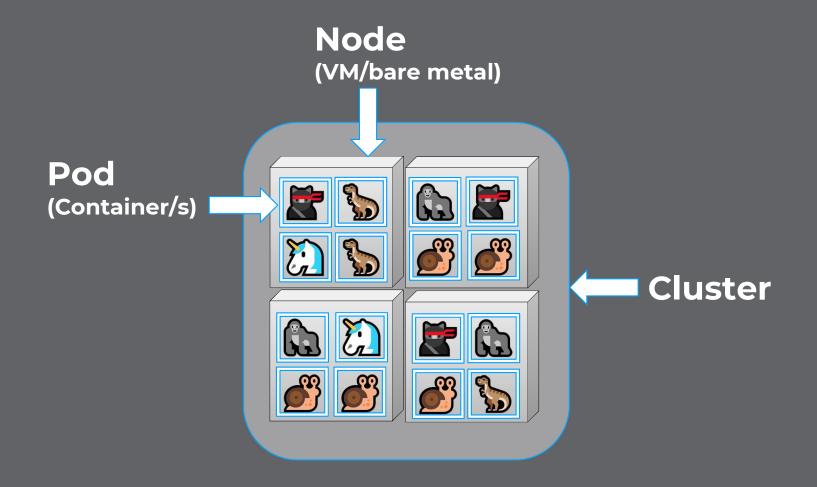












# YOU DESCRIBE A DESIRED STATE IN A DEPLOYMENT OBJECT

```
metadata:
  labels:
                                             kind: Service
    gx: "28"
                                             metadata:
                                               labels:
  selector:
    matchLabels:
                                               selector:
  template:
    metadata:
      labels:
        gx: "28"
      containers:
        - containerPort: 80
```

### **DEMO!**

http://bit.ly/gx28k8s

Thank you

Sebagomez



