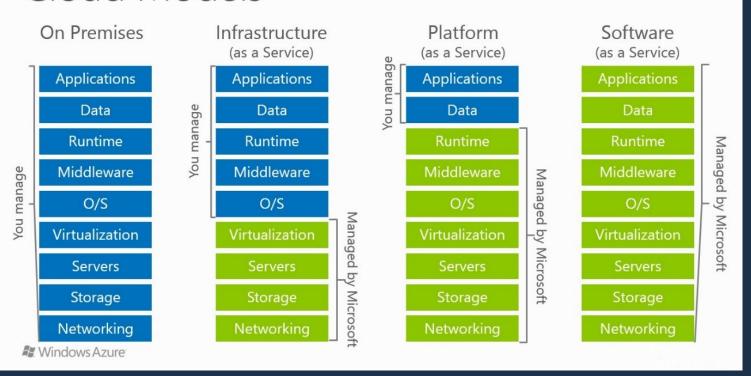
## **Cloud-native apps**



### 1/ laaS vs PaaS vs SaaS

#### Cloud Models

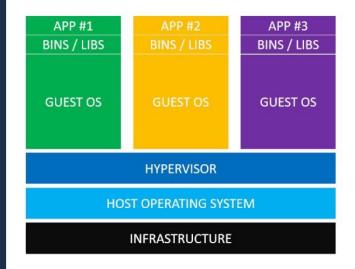


## FaaS? Function as a Service

Cloud Foundry? Vendor-agnostic platform abstraction layer on top of laaS

# 2/ VMs vs Containers vs Buildpacks





APP #1
BINS / LIBS
BINS / LIBS
BINS / LIBS

DOCKER DAEMON

HOST OPERATING SYSTEM

INFRASTRUCTURE

Virtual Machines

**Docker Containers** 

#### Containers vs Buildpacks

Container (e.g. Docker)

Buildpack

**Dev Provides** 

System Provides

App container

application layer

runtime layer

OS image

system brings fixed host OS Kernel

application layer

runtime layer\*

OS image

system brings fixed host OS Kernel

Devs may bring a custom buildpack

Pivotal.

### 3/ 12 Factor App

### Comments, questions?

