

# Suitable Workloads

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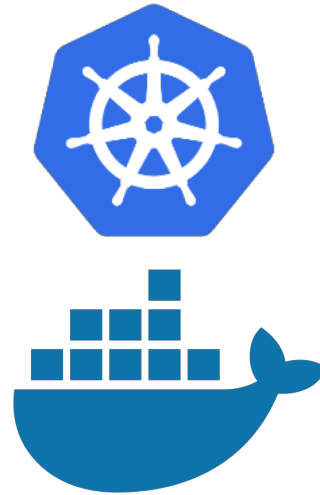


**Nigel Poulton**

@nigelpoulton [www.nigelpoulton.com](http://www.nigelpoulton.com)



# Stateless

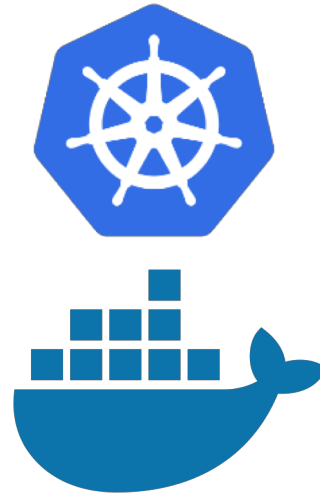


# Stateful

- Has to remember stuff

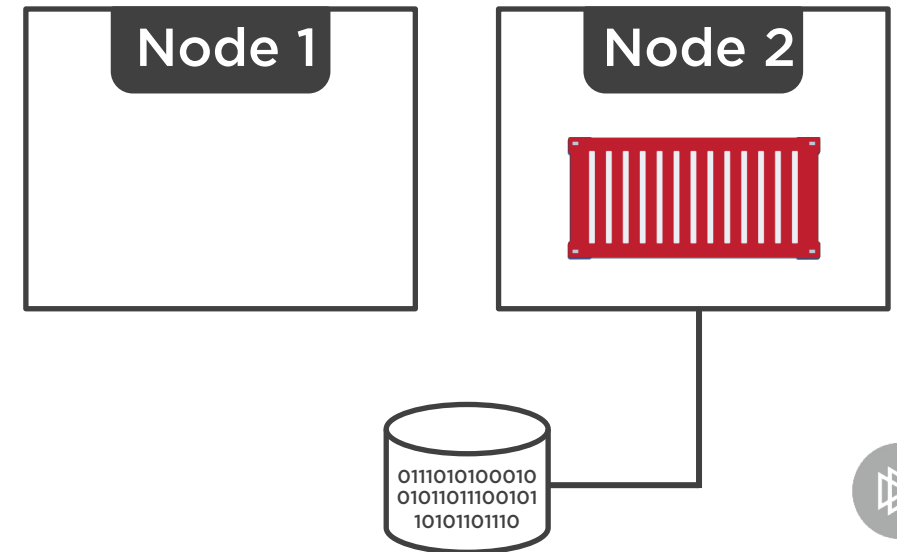


# Stateless

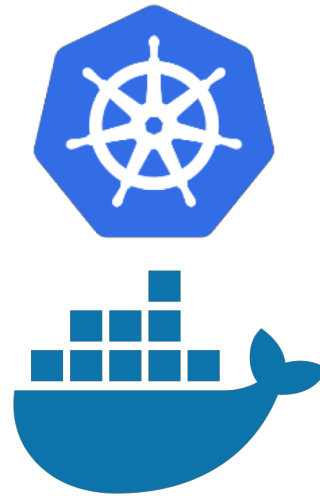


# Stateful

- Has to remember stuff

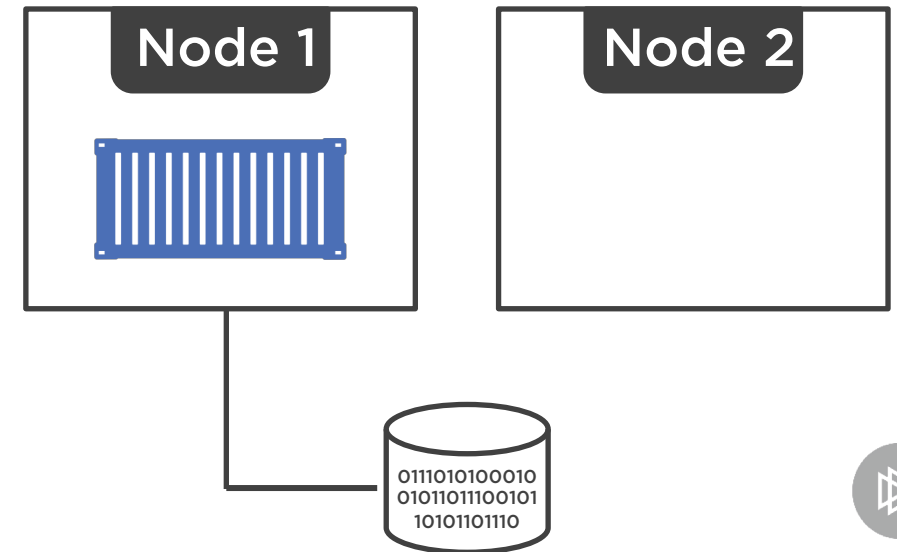


# Stateless



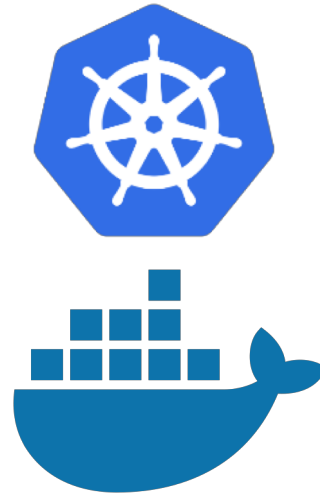
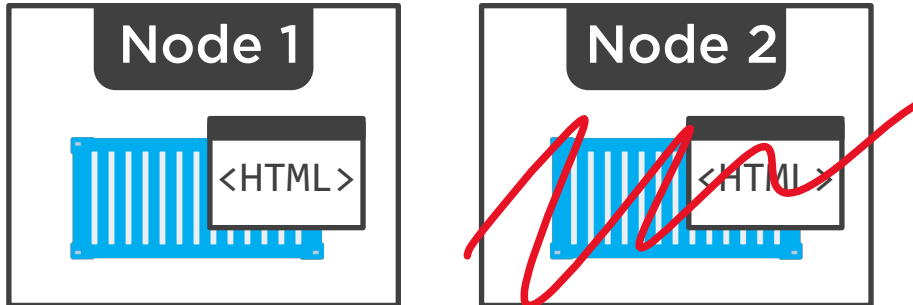
# Stateful

- Has to remember stuff



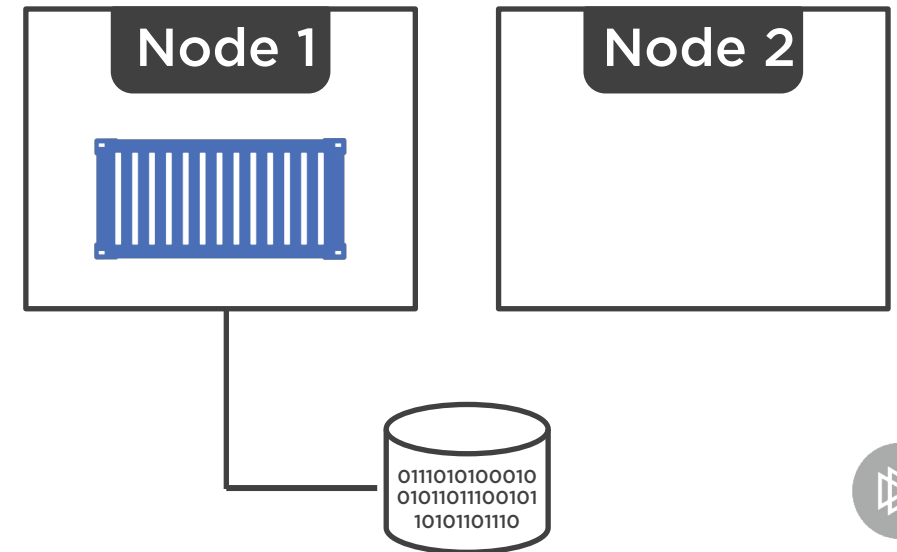
# ✓ Stateless

- Doesn't remember stuff



# Stateful ✓

- Has to remember stuff



# Low-hanging Fruit

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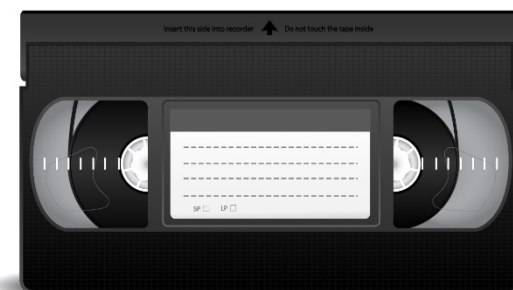
# Cloud Native & Microservices

`business=sum(app1:appx)`

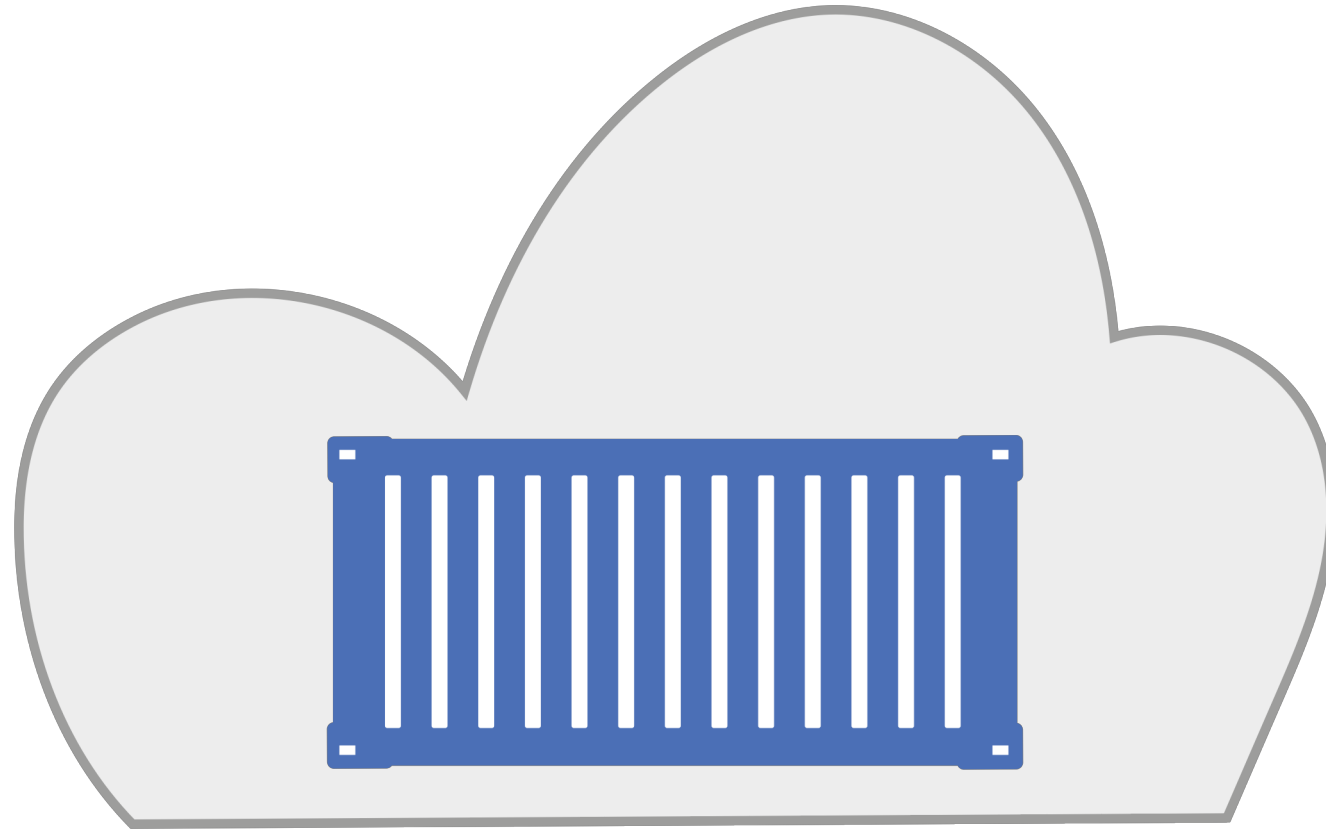
`Slow apps = slow business`





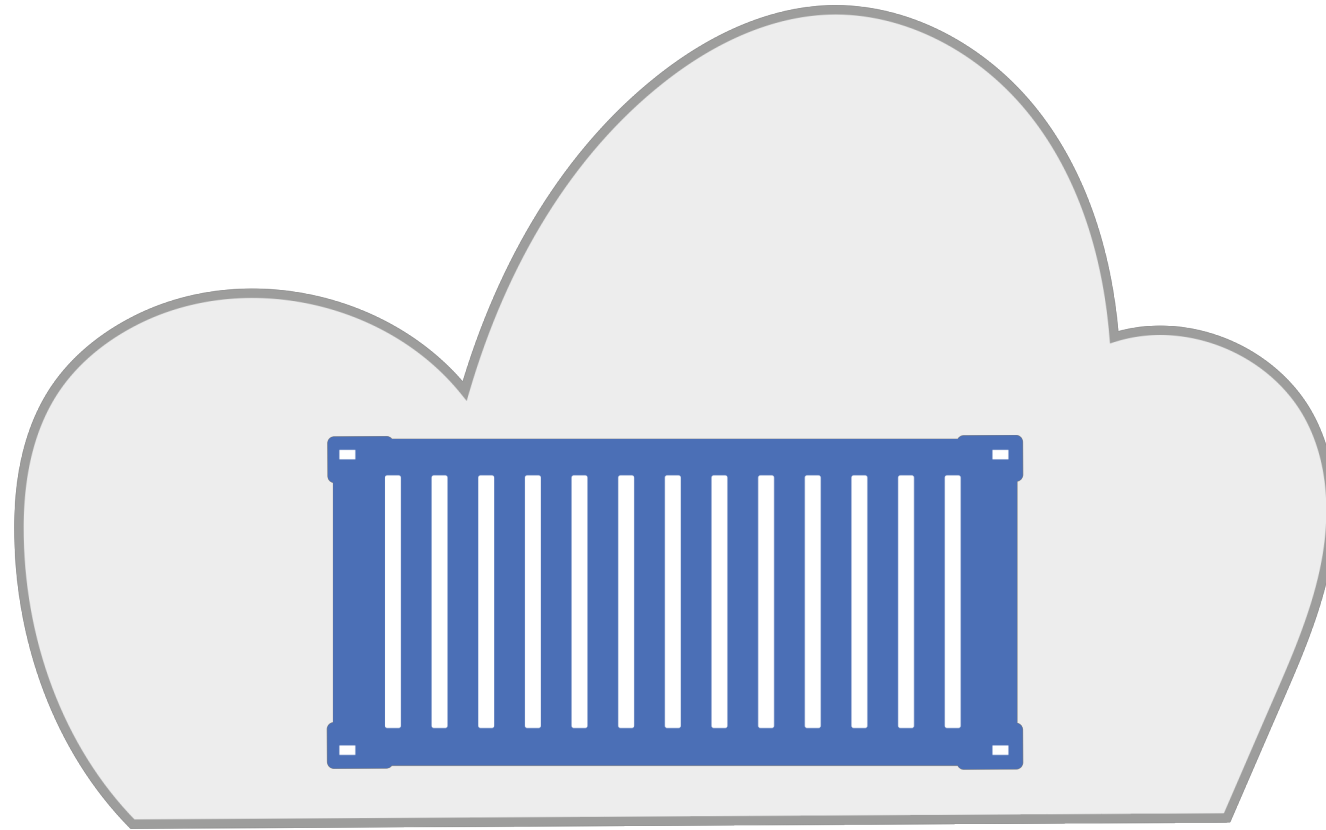






F u t u r e





F u t u r e



“Hypervisors revolutionized IT.”



# Hypervisor Virtualization



Let us keep our existing apps

- Simple migrations
- Made life easy



Let us keep our existing apps

- We've still got our legacy apps

# Containers



# Containers

**It is possible to deploy *some* of our legacy apps directly inside of containers...**



# Containers

**It is possible to deploy *some* of our legacy apps directly inside of containers... But that's not the ultimate end-goal!**





# Containers



# Containers



# Containers



We get to develop apps that are:

- modern
- scalable
- self-healing
- portable



# Containers



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We get to develop apps that are:

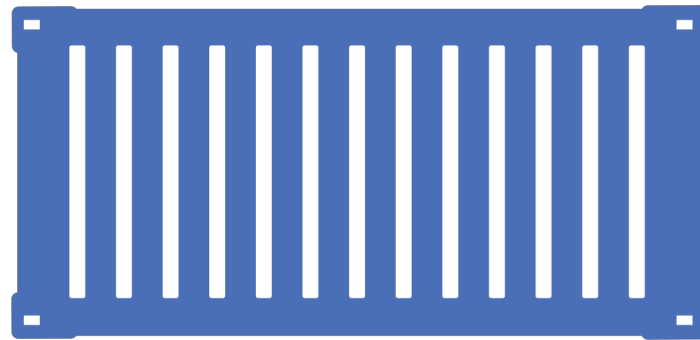
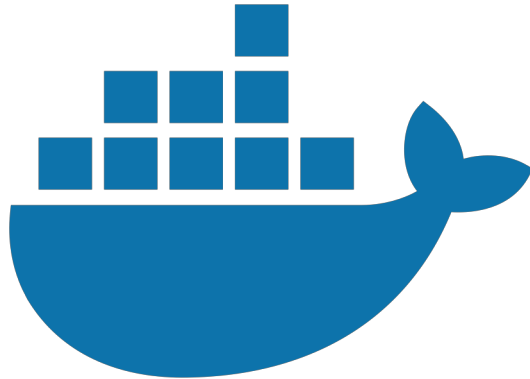
- modern
- scalable
- self-healing
- portable

# State & Legacy Apps

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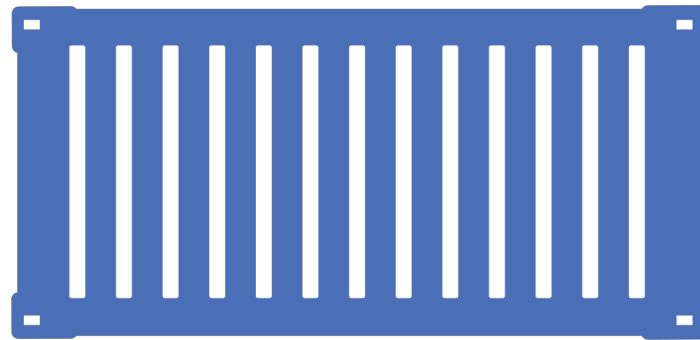
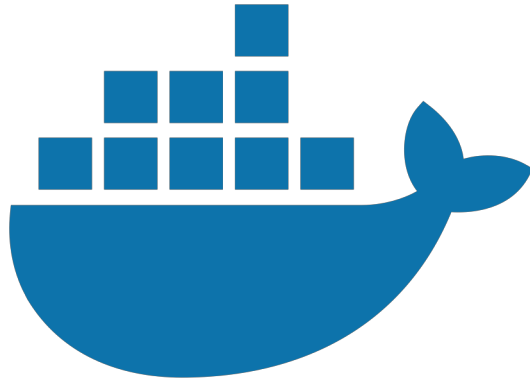


# State is hard



**Added features for  
stateful apps**

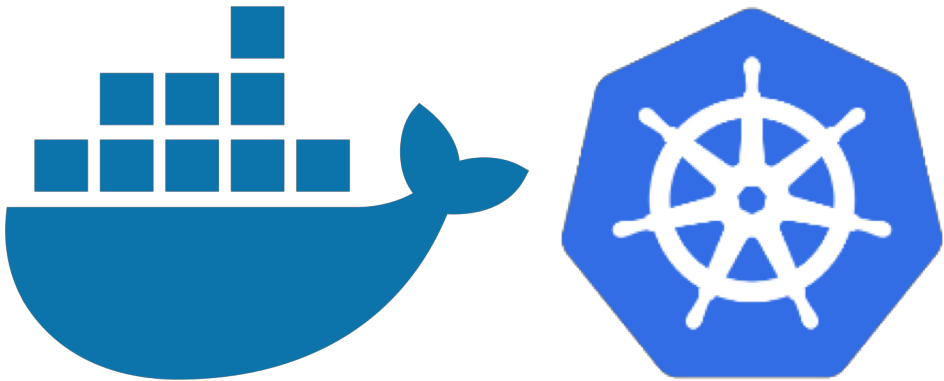
Stateful    State is hard



**Added features for  
stateful apps**

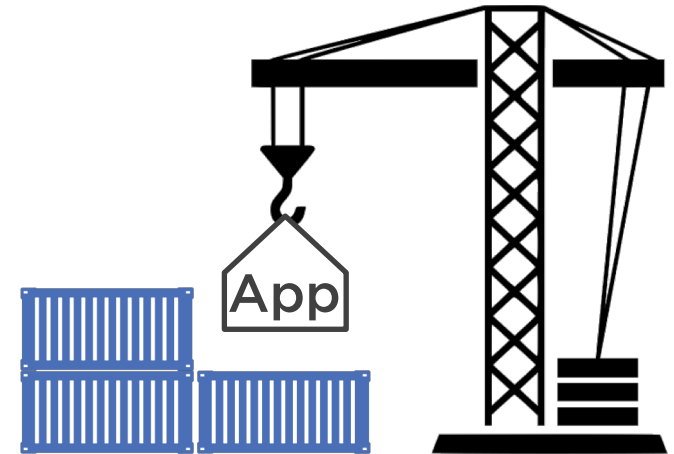


# Stateful



Added features for  
stateful apps

# Legacy

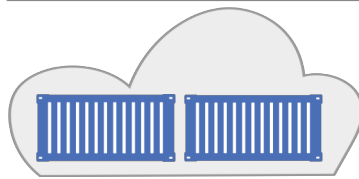


Some apps can be  
migrated directly to  
containers

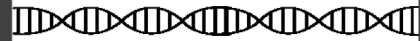
# Recap

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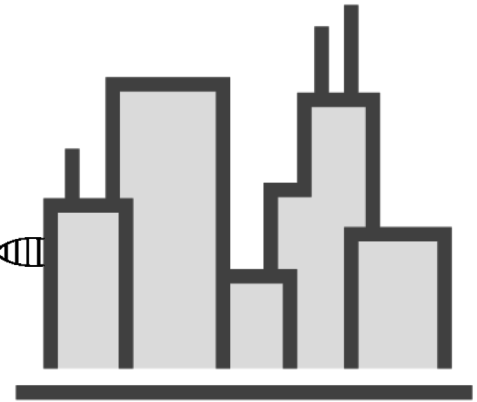
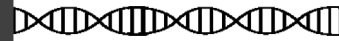


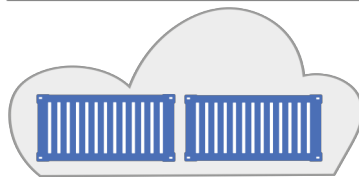


Clouds &  
Containers  
(Dynamic)



Dynamic





Clouds &  
Containers  
(Dynamic)



Dynamic

