

# KUBERNETES / OPENSIFT

- THE HARD WAY

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**CHAKRADHAR JONAGAM (CHAK)**

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debianmaster

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debianmaster



redhat.

# KUBERNETES / OPENSIFT

WHY?

CHAKRADHAR JONAGAM (CHAK)



debianmaster



redhat.



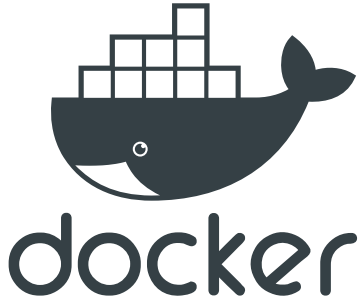
 **CLOUD NATIVE**  
COMPUTING FOUNDATION

AMBASSADOR

# AGENDA

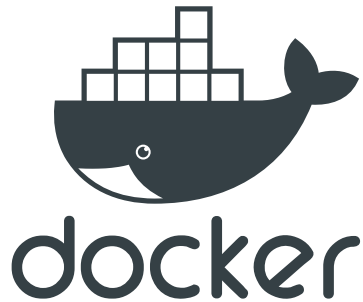
- ULTRA SHORT INTRO ABOUT DOCKER/K8S/OPENSIFT
- DEMO OF OPENSIFT
- INSTALLING K8S FROM SCRATCH.

BUZZWORDS!!



OPENSIFT  
**origin**

*EVERYONE LOVES ANALOGIES...*



APPLICATION  
OR ~VM



OPERATING SYTEM  
FOR YOUR DATA  
CENTER





kubernetes

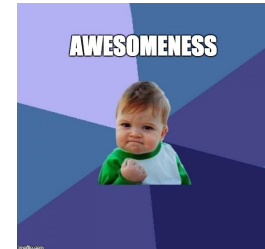


KERNEL FOR YOUR  
DATA CENTER



*SOME MATH....*

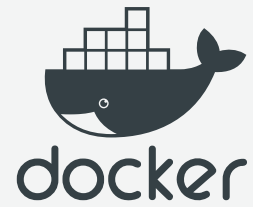
OPENSIFT  
**origin** =   
docker +   
kubernetes +



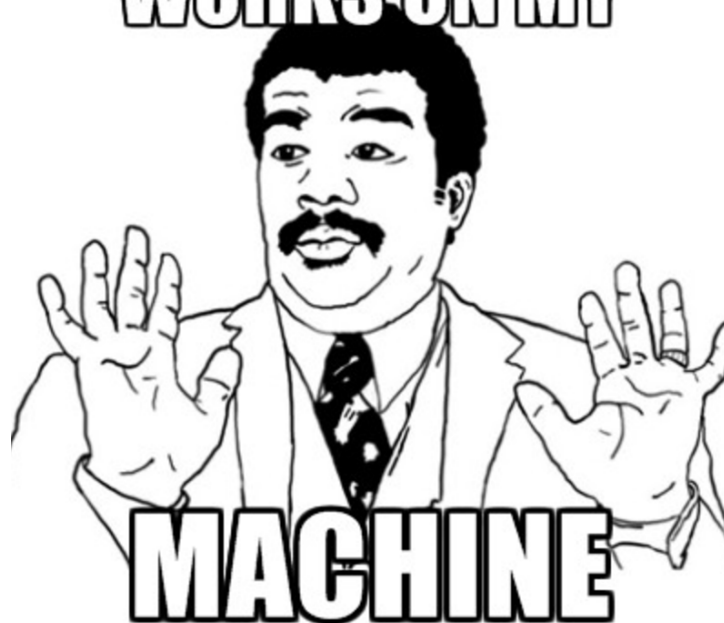
*PLEASE ELOBORATE AWESOMENESS....*



*SO WHAT IS DOCKER?*



**WORKS ON MY**



**MACHINE**

Here is a server:



It has some processes...



We can sandbox our  
processes with  
seccomp & cgroups



We can block/allow certain  
syscalls with seccomp...

block clone NEWNS  
NEW-NET

block ptrace



