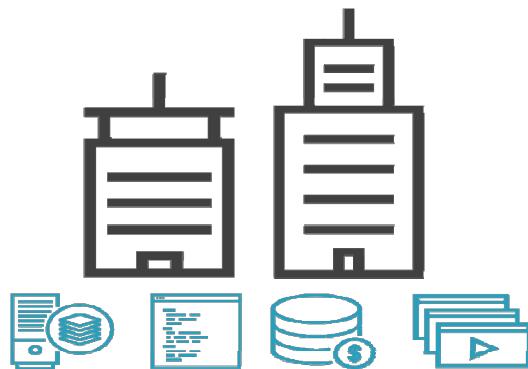


Containers: Primer



The Bad Old Days

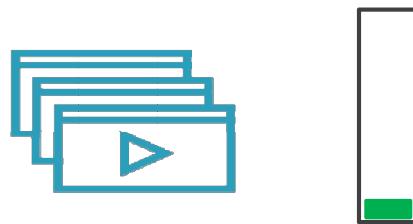
Application run Business



Application run on Servers

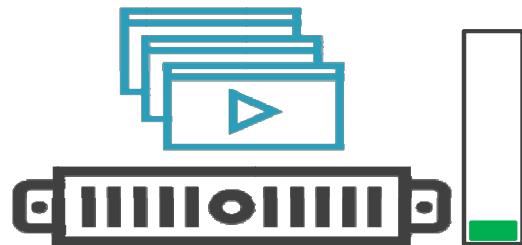


New Application need New Servers

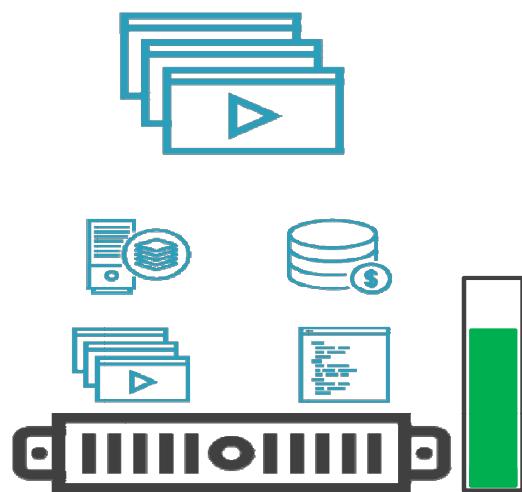


Hello Virtual Machine!

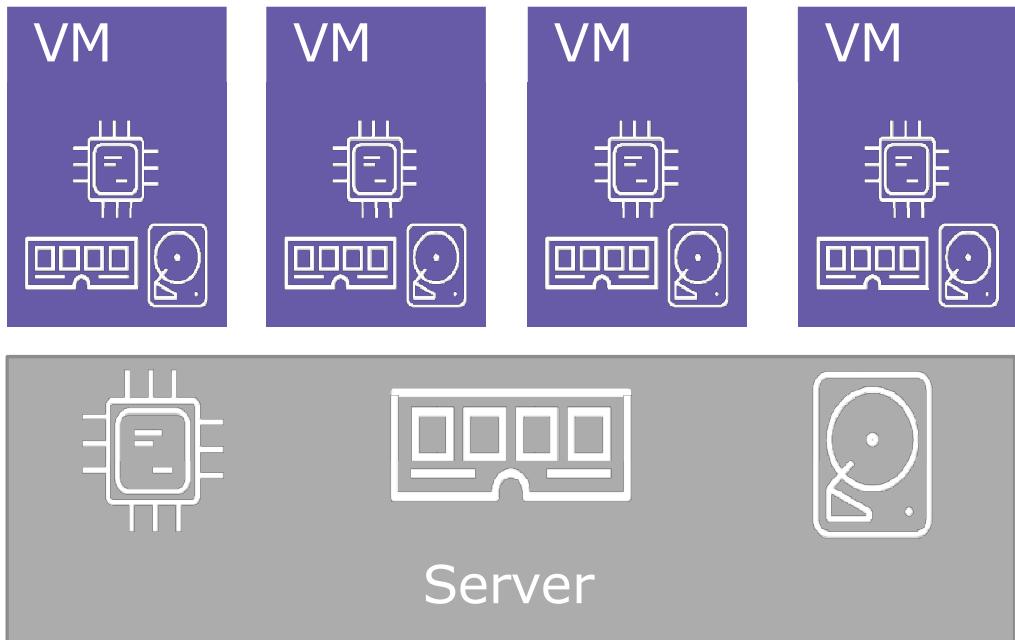
Old Days: One Server for One App



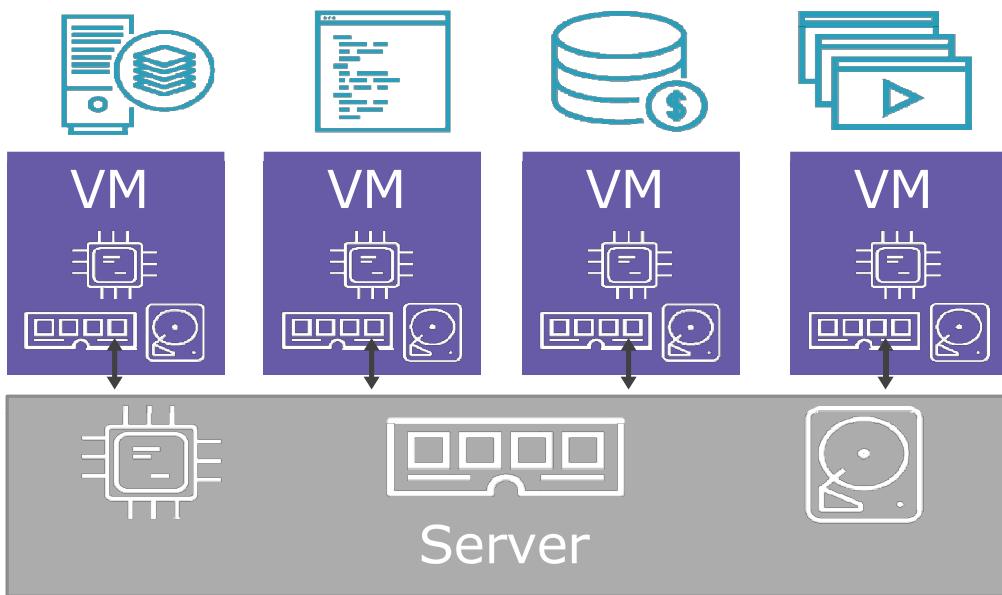
Many Apps on a single Physical Server



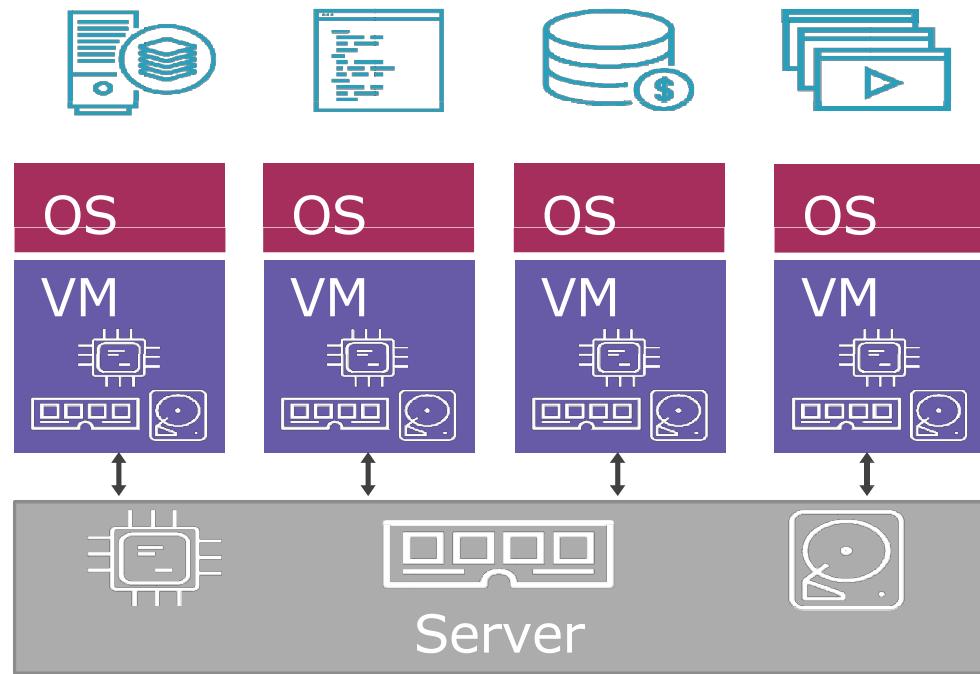
Virtual Machine on Physical Server



Application run on VM



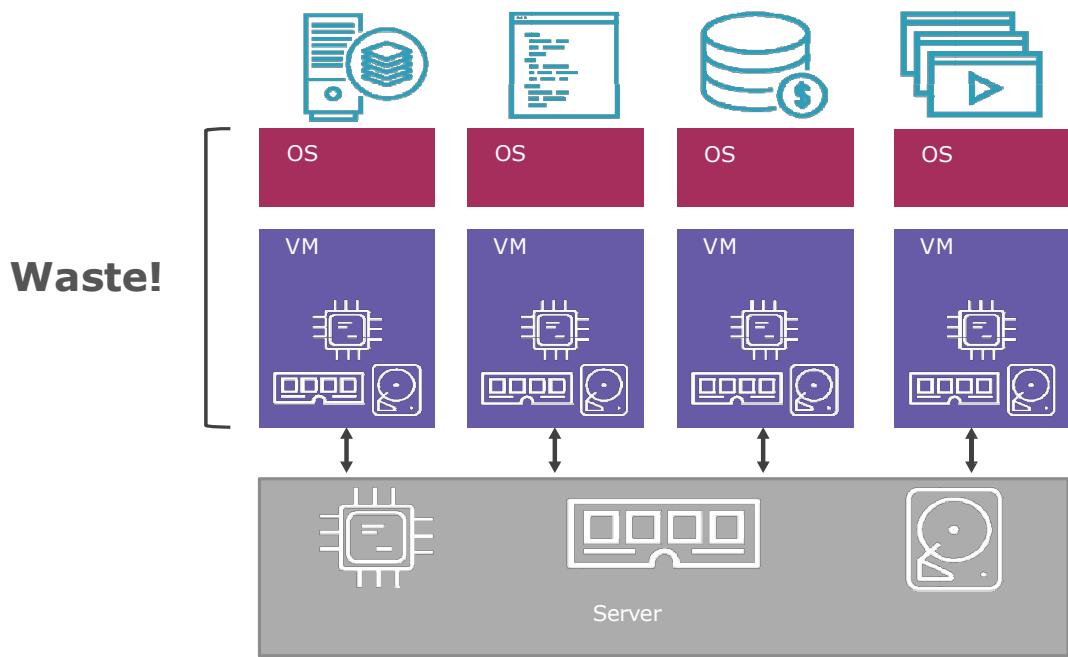
Application run on VM



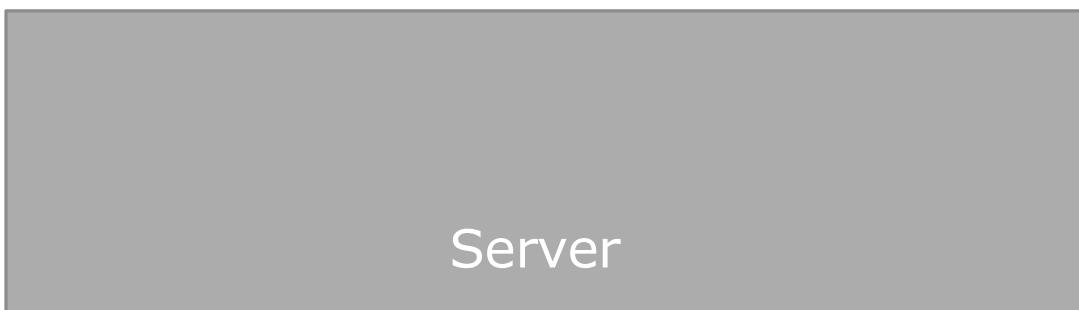
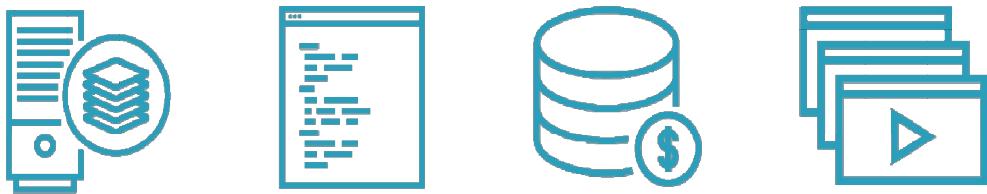
Potential OS overheads

- License costs
- Admin
 - Patching
 - Updates
 - AV
 - More

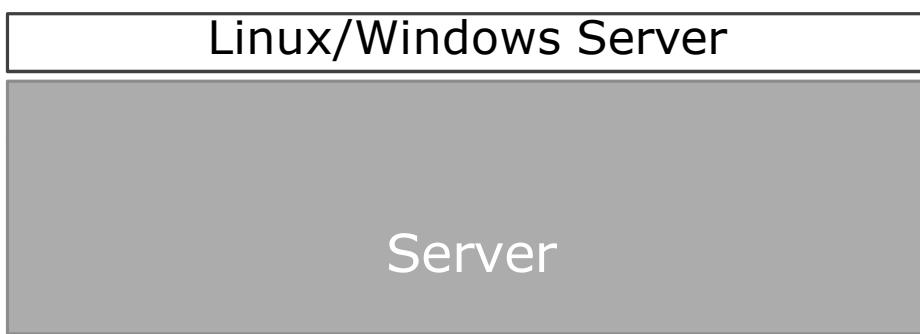
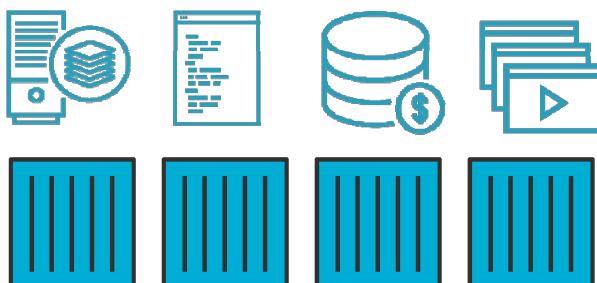
Potential OS overheads



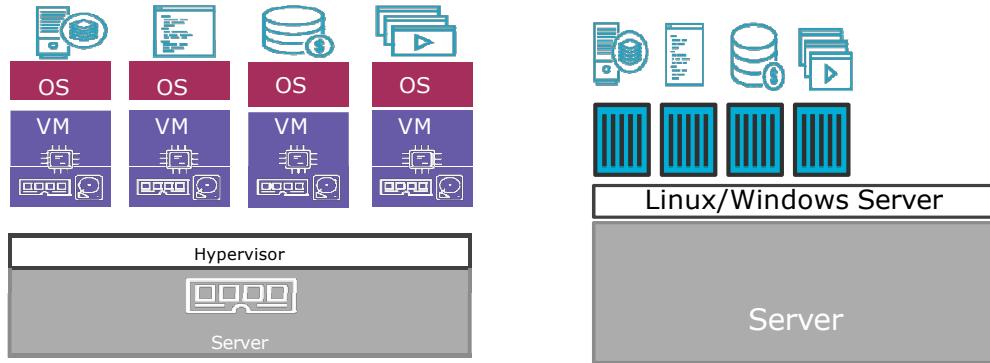
4 Apps with 1 Physical Server



One OS and 4 Containers



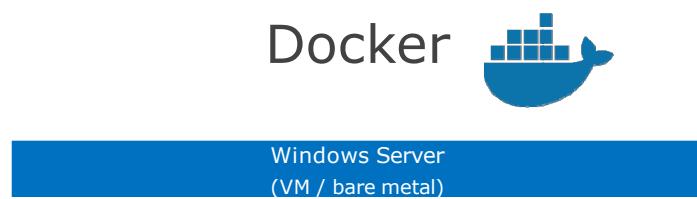
Virtual Machine vs Container



Container Example

List of Containers

- Docker
- Mesos Containerizer
- CoreOS rkt
- LXC Linux Containers
- OpenVZ
- containerd
- Windows Server Containers
- Linux VServer
- Hyper-V Containers
- Unikernels
- Java containers



Summary

