### What Are Containers?



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Applications run on servers





### Applications run on servers

- Procurement lead times
- Up-front capex
- Ongoing opex





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Hypervisors allow multiple apps per server







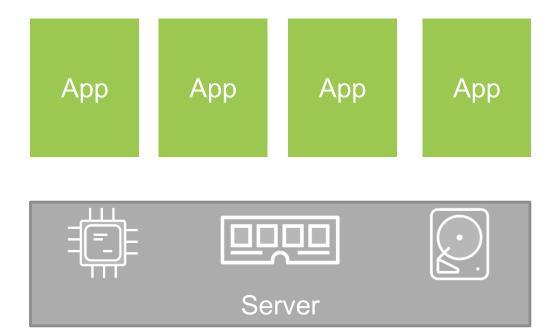


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#### The Trouble with Hypervisors

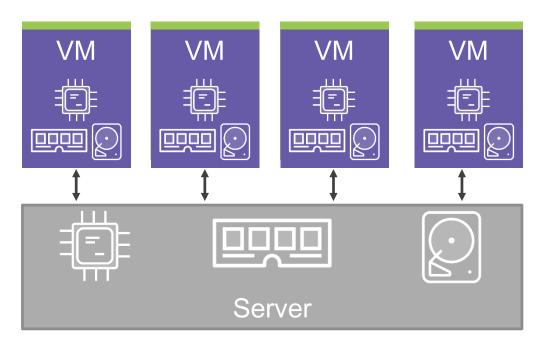




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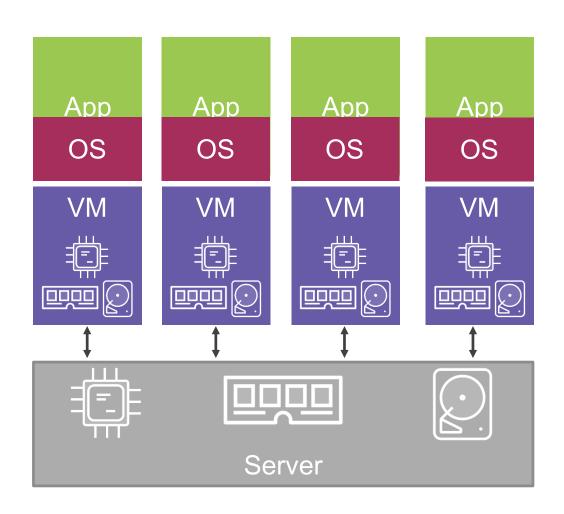


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# Hypervisors allow Englishesapps per server

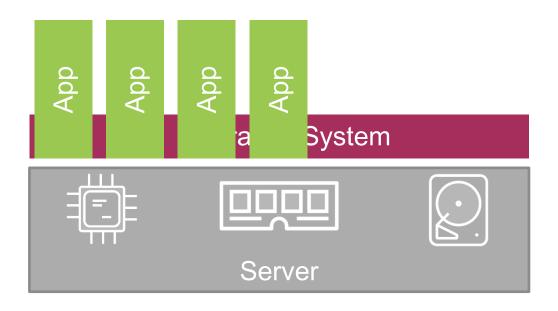
- Uses CPU
- Uses RAM
- Uses disk
- May have license cost
- Requires admin time



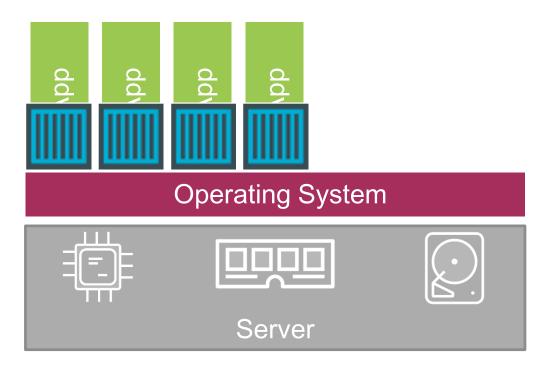


### Containers

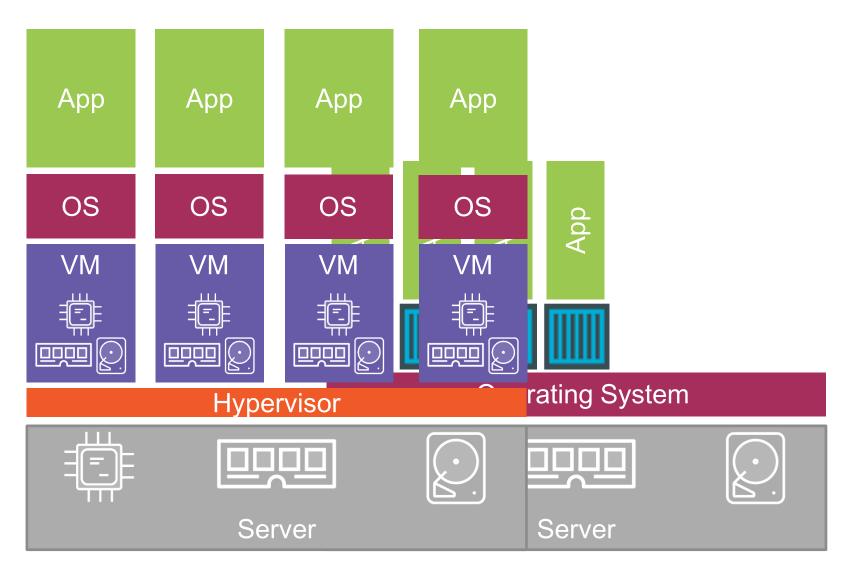






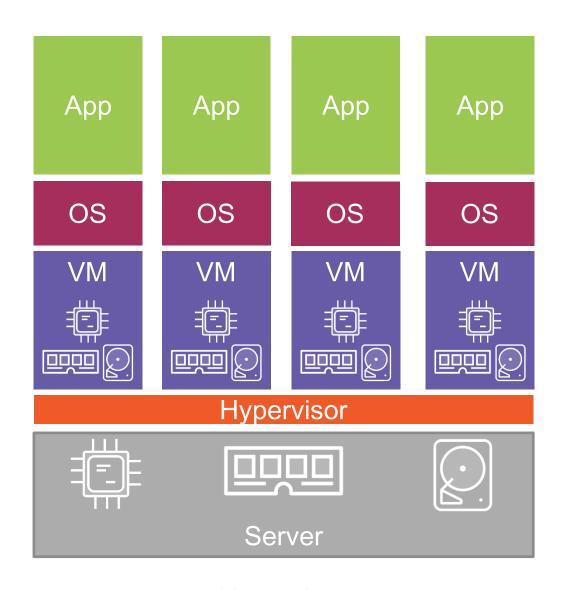




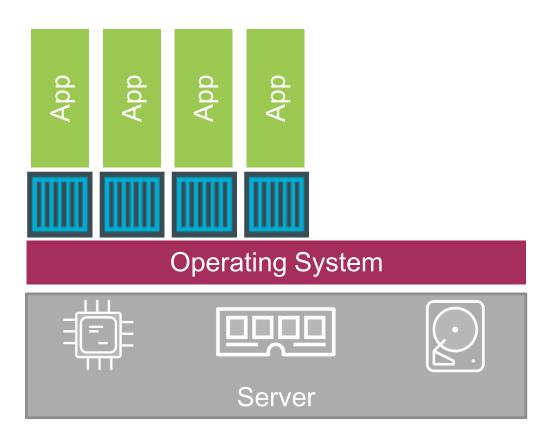


Hypervisor Architecture Container Architecture



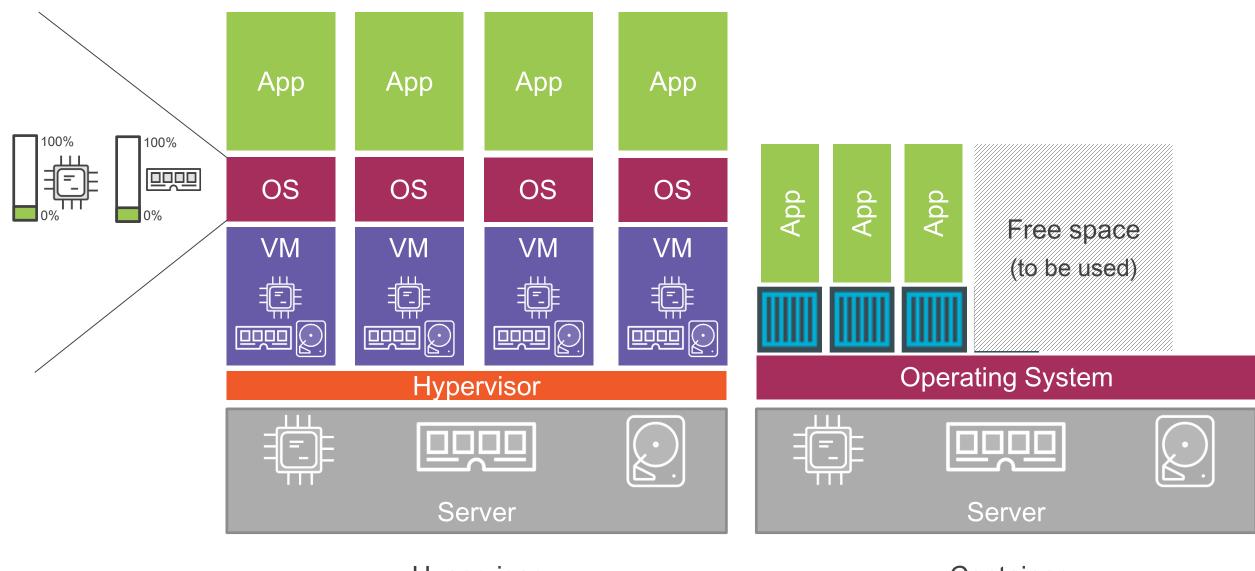






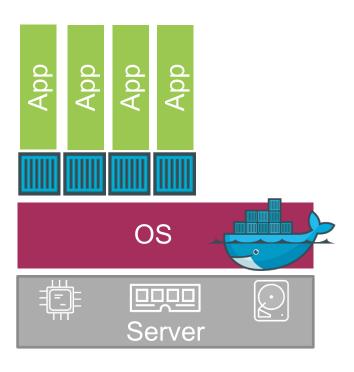
Container Architecture





Hypervisor Architecture Container Architecture







#### Summary

Past (physical servers)



Wasted!



Wasted!



Wasted!

Present (Hypervisor virtualization)



More efficient than physical servers

Could be better!

Present/Future (Containers)



More efficient than Hypervisor virtualization

Virtualization 2.0

Less mature than Hypervisor virtualization

Less mature than Hypervisor ecosystem



Coming Up Next...

Docker Docker Docker...

