

CLOUD



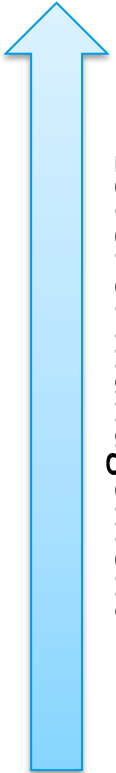
- ⬡ Private vs. public cloud
- ⬡ Marketing buzzword
- ⬡ Services

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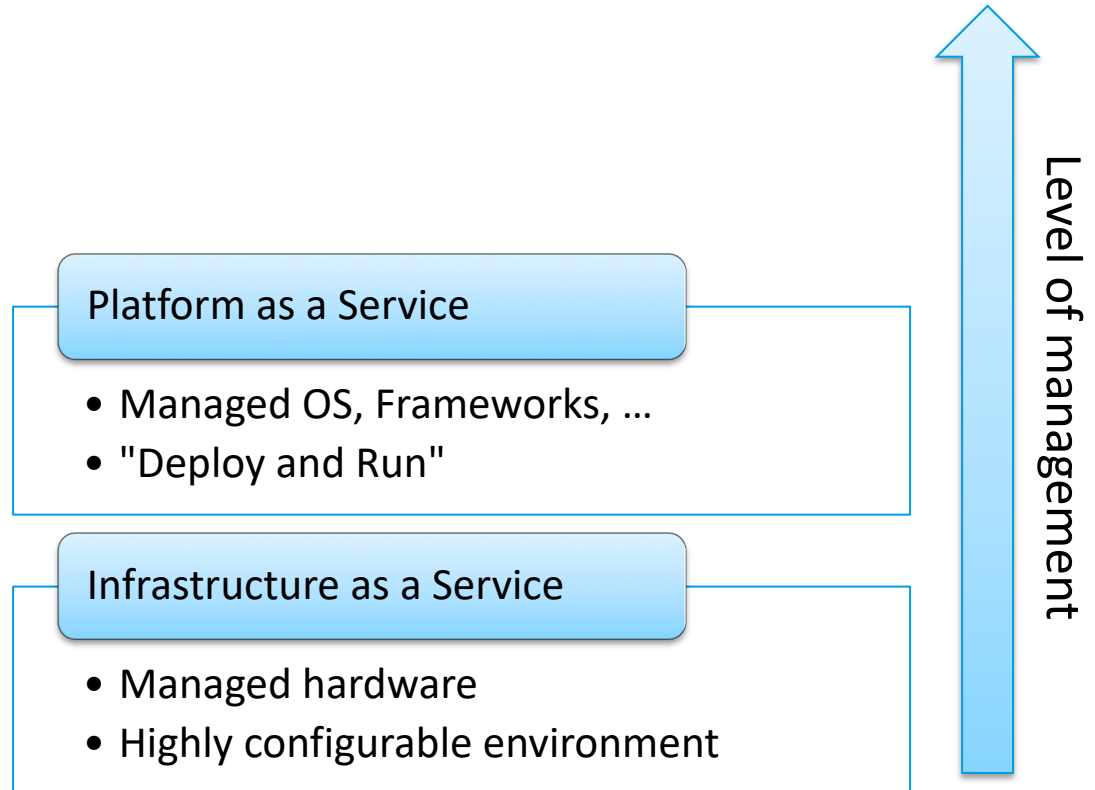
Infrastructure as a Service

- Managed hardware
- Highly configurable environment

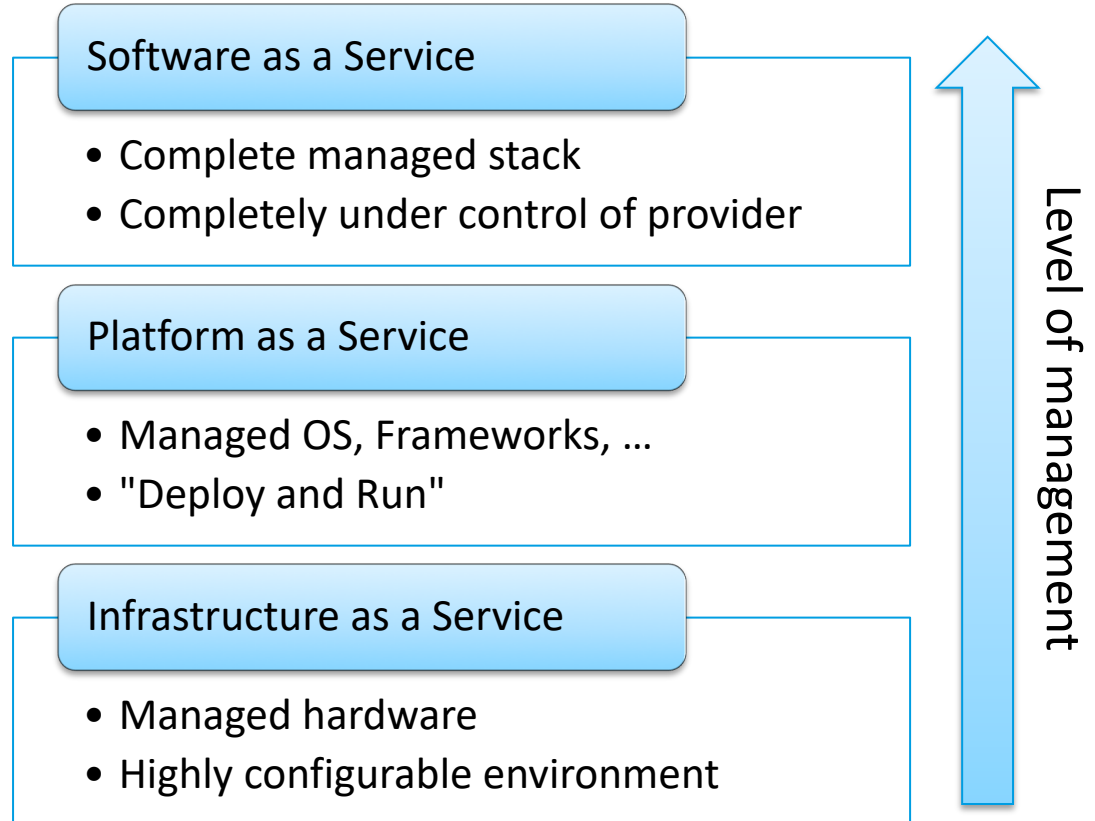
Level of management



- ⬡ Private vs. public cloud
- ⬡ Marketing buzzword
- ⬡ Services

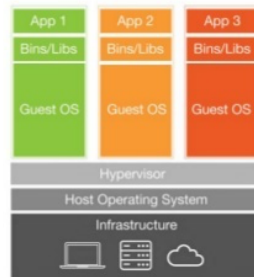


- Private vs. public cloud
- Marketing buzzword
- Services



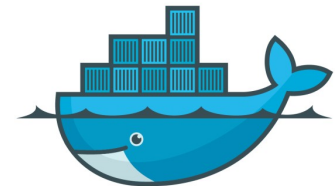
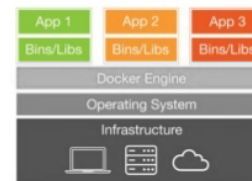
VM

- ⬢ Slow: Hypervisor simulates hardware
- ⬢ Big: VM contains its own OS
- ⬢ Inflexible: Fixed resource allocation (RAM, CPU)

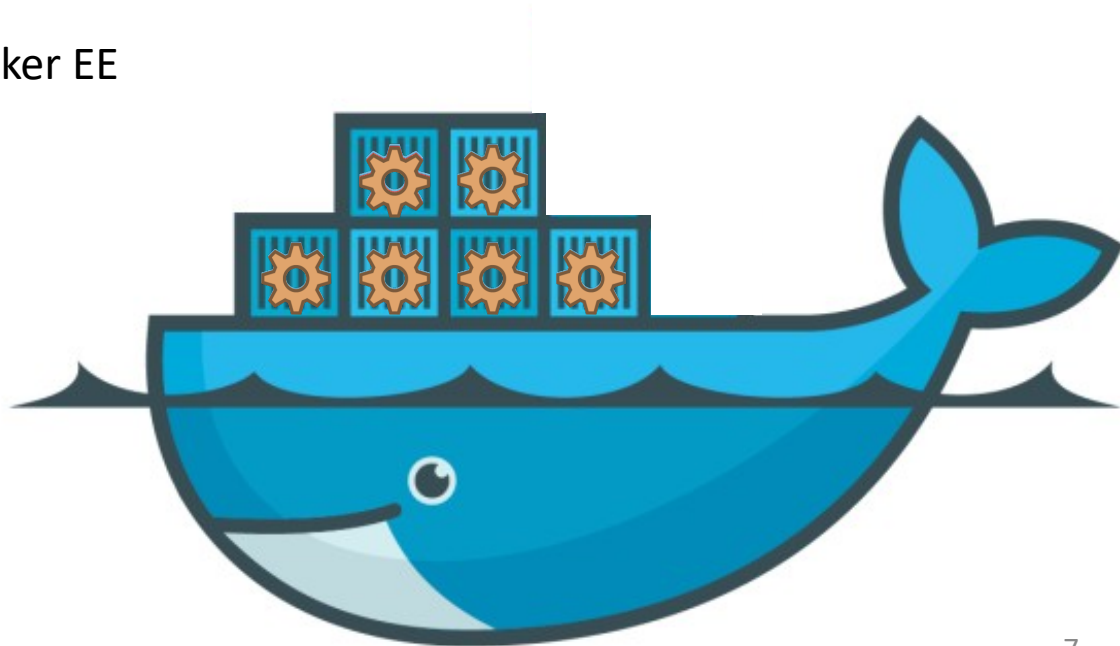


Docker Container

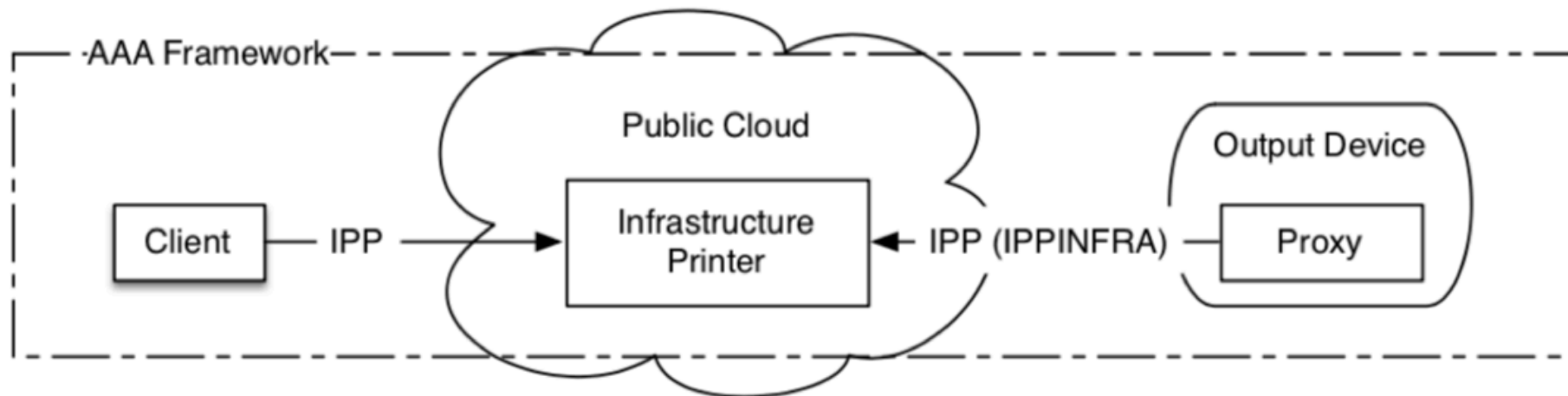
- ⬢ Isolation of processes
- ⬢ Shared access to OS
- ⬢ Resource-sharing possible

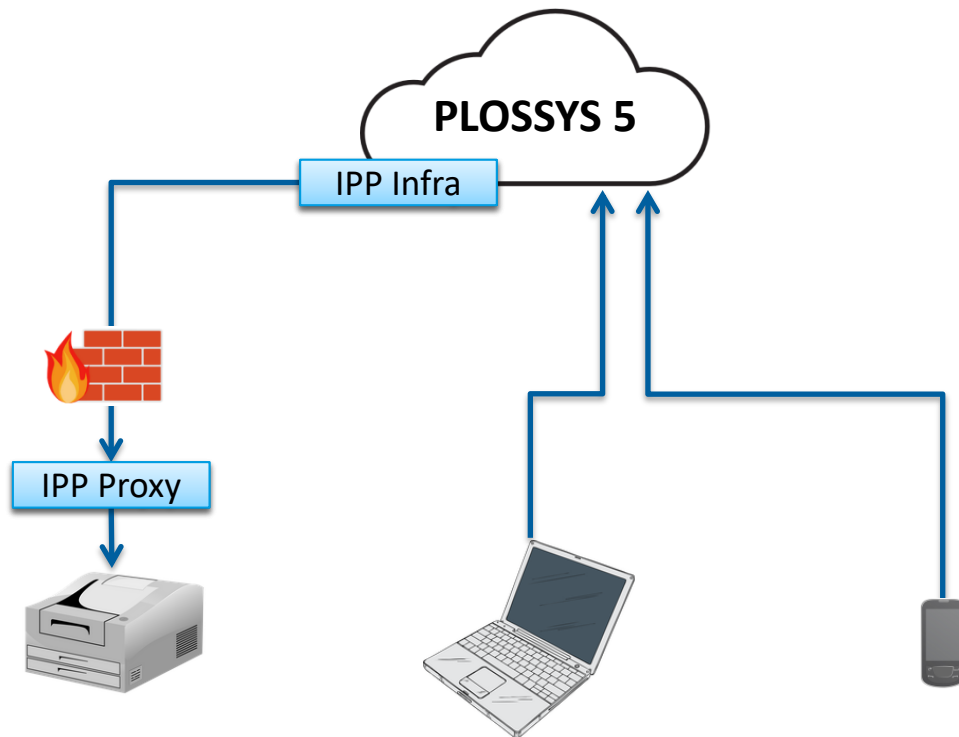


- Containers instead of VMs
- Microservices
- Kubernetes, Openshift, Docker EE
- Built-in monitoring
- Load dependant scaling
- Rolling updates



- TLS encryption
- IPP Shared Infrastructure Extensions





- Feedback
 - Job status
 - Printer monitoring
- Control of print jobs
- Communication across multiple data centers



WHERE ARE WE?



Kubernetes

DEMO



WIR SIND FÜR SIE DA!

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