

Azure Talk – Azure Container Service

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Agenda

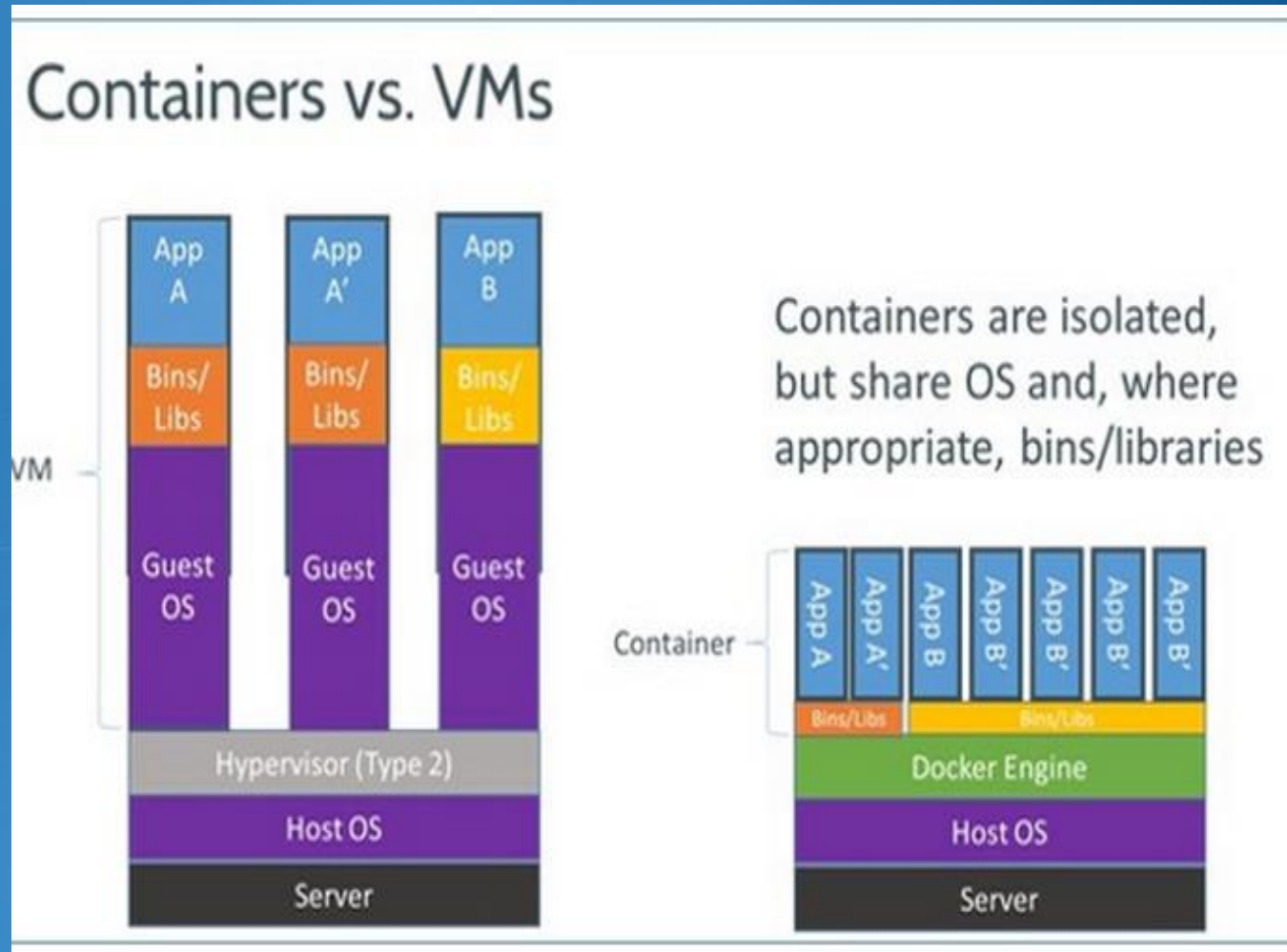
Azure Container Services

- Containers vs VMs
- Azure Container Service
- Azure Container Registry
- Azure Container Instance
- Demo



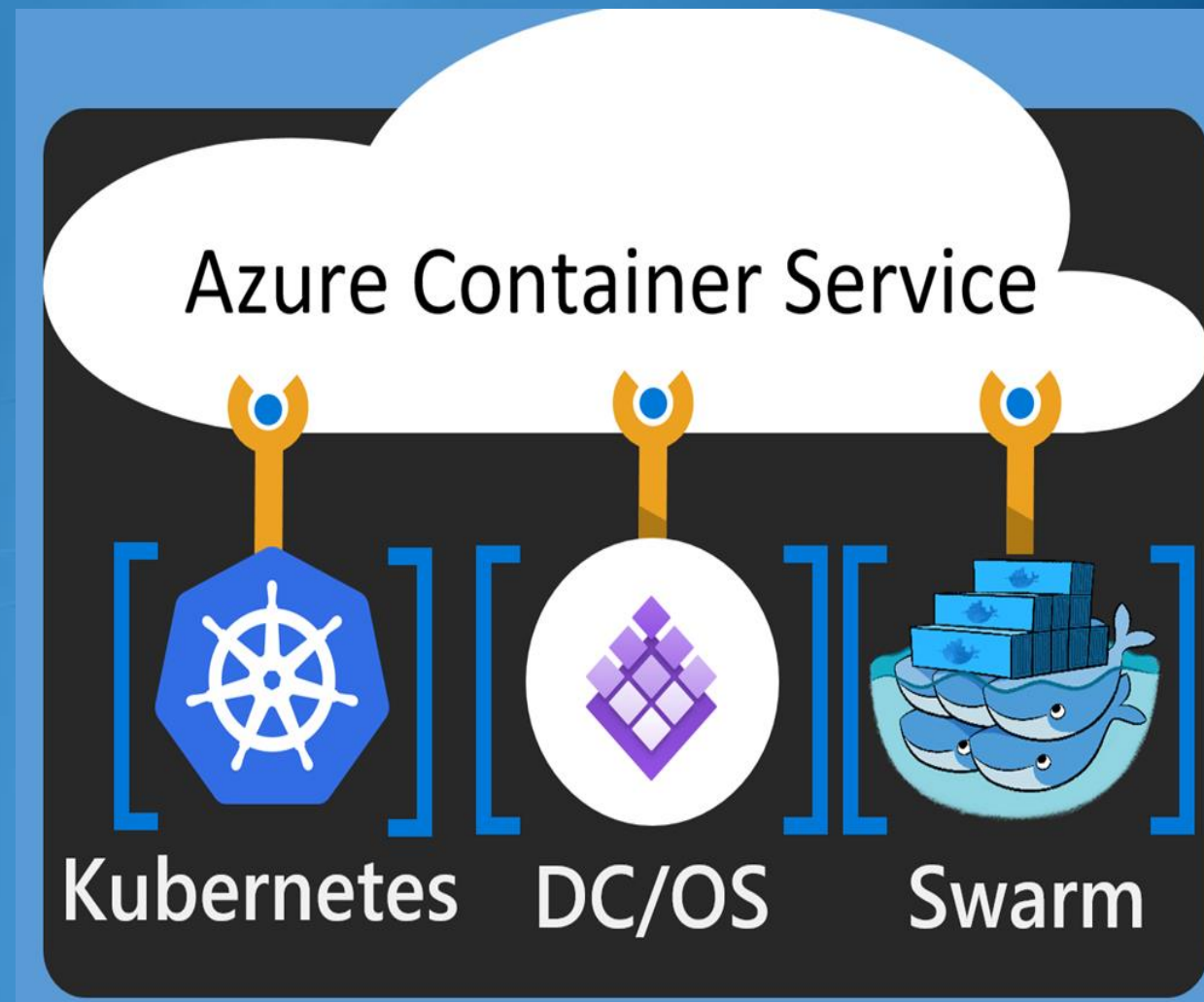
VM vs Container

- VM
 - It abstracts hardware & virtualizes hardware(CPU, RAM, HDD)
 - Offers Kernel Mode Isolation
 - Better physical resource utilization
- Containers
 - It abstracts OS and provides OS virtualization
 - Offers user mode isolation
 - Promotes portability and even better resource utilization



Azure Container Service

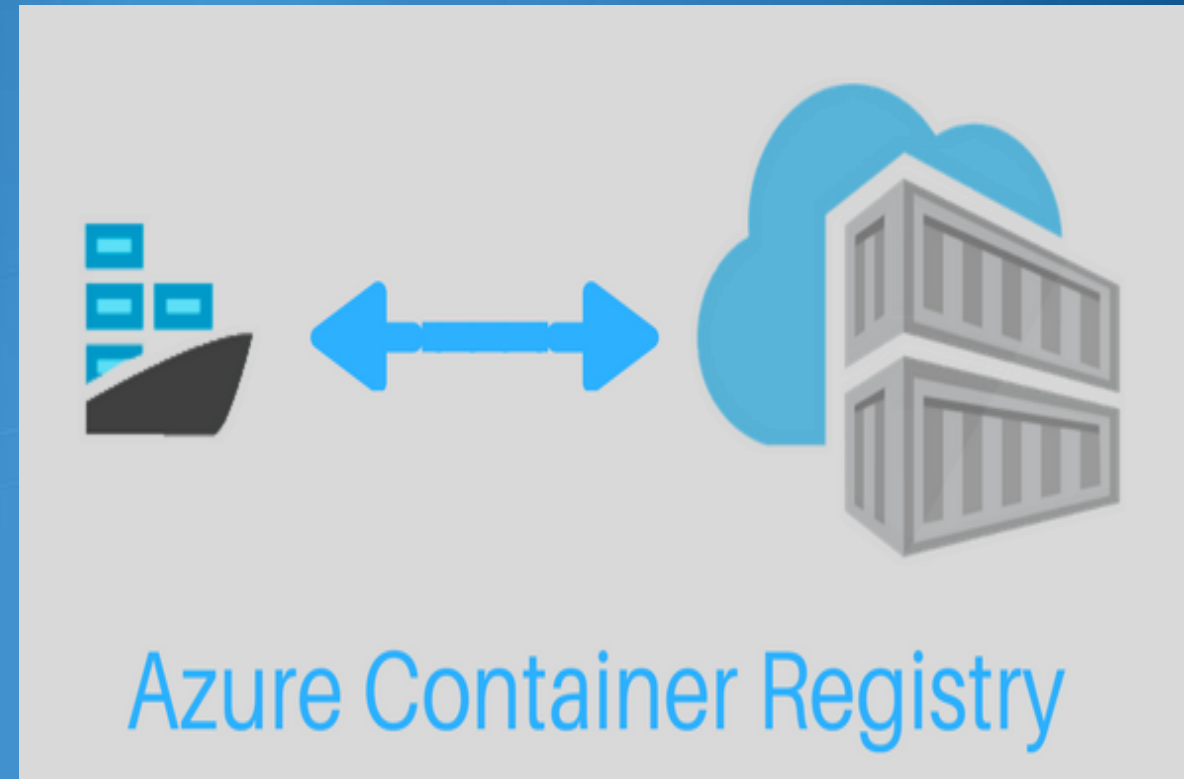
- Azure Container Service (ACS) is cluster of VMs that are preconfigured to run containerized applications.
- ACS leverages **Docker images** to ensure that your application containers are fully portable.
- Supports choice of Kubernetes, DC/OS (powered by Apache Mesos), or Docker Swarm for orchestration



Source: Microsoft

Azure Container Registry

- Azure Container Registry (ACR) is an Azure-based, private registry, for Docker container images.
- Based on open-source Docker Registry 2.0
- Maintain **Windows and Linux** container images in a single Docker registry
- Key Terminologies
 - Registry
 - Managed Registry
 - Repository: Group of container images
 - Image: Stored in a repository
 - Container: Based on Windows or Linux image



Azure Container Service

demo

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Appendix

- [Azure Talk Telegram group.](#)
- [All Past Azure Talks.](#)
- Register [here](#) for updates on future Azure Talks.

