

</ KubeVirt Alchemy: Transforming VMs into Kubernetes Workloads />



Kube Native 2024




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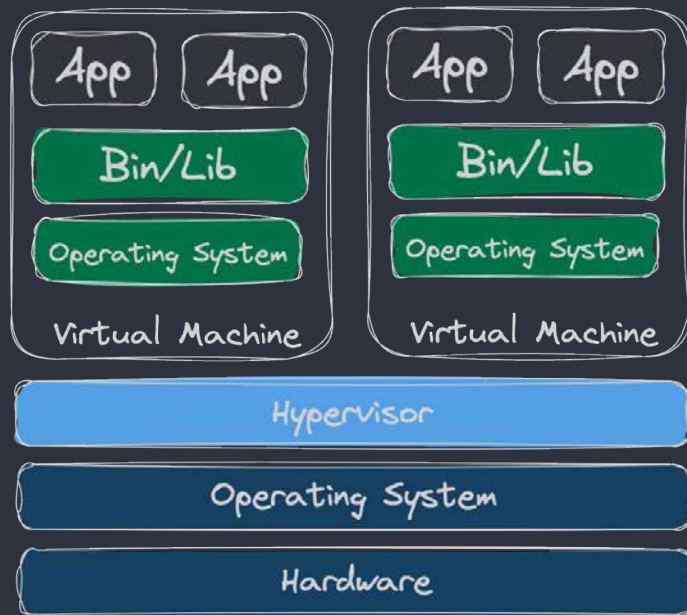
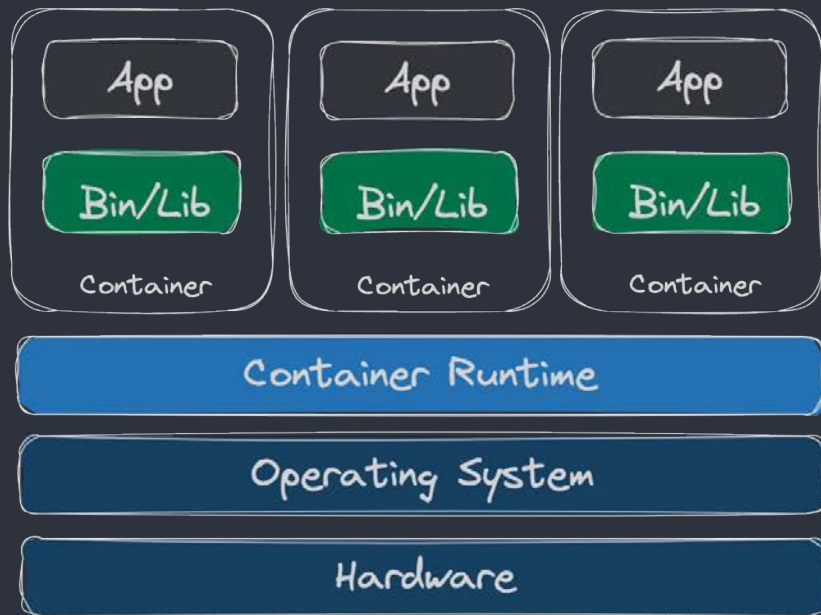
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Containers vs Virtual Machines



</ Why KubeVirt?



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KubeVirt technology addresses the needs of development teams that have adopted or want to adopt Kubernetes but possess existing Virtual Machine-based workloads that cannot be easily containerized.

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The technology provides a unified development platform where developers can build, modify, and deploy applications residing in both Application Containers as well as Virtual Machines in a common, shared environment.

</ What can I do with KubeVirt?

Run VMs on Kubernetes

Leverage KubeVirt and Kubernetes to manage virtual machines for impractical-to-containerize apps.

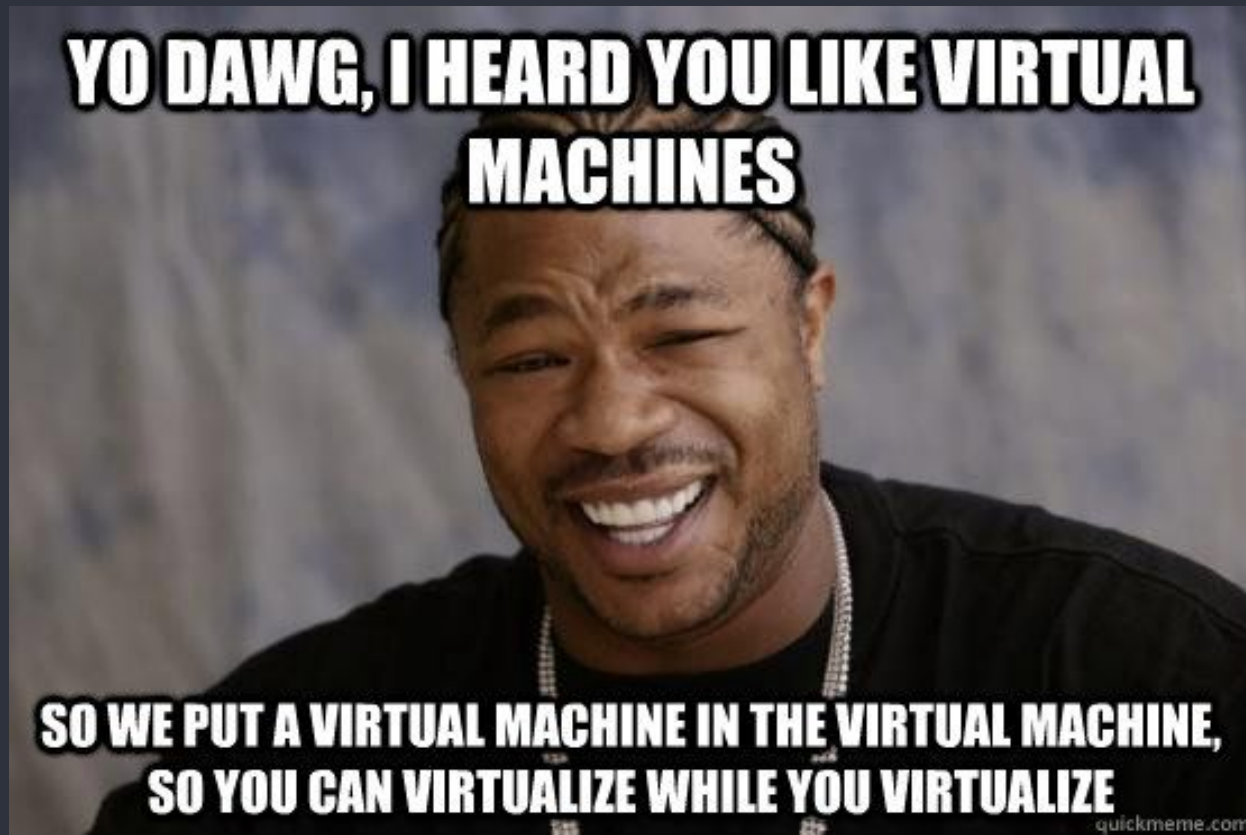
Virtualized + Container Workloads

Combine existing virtualized workloads with new container workloads on the one platform.

Support both types

Support development of new microservice applications in containers that interact with existing virtualized applications.

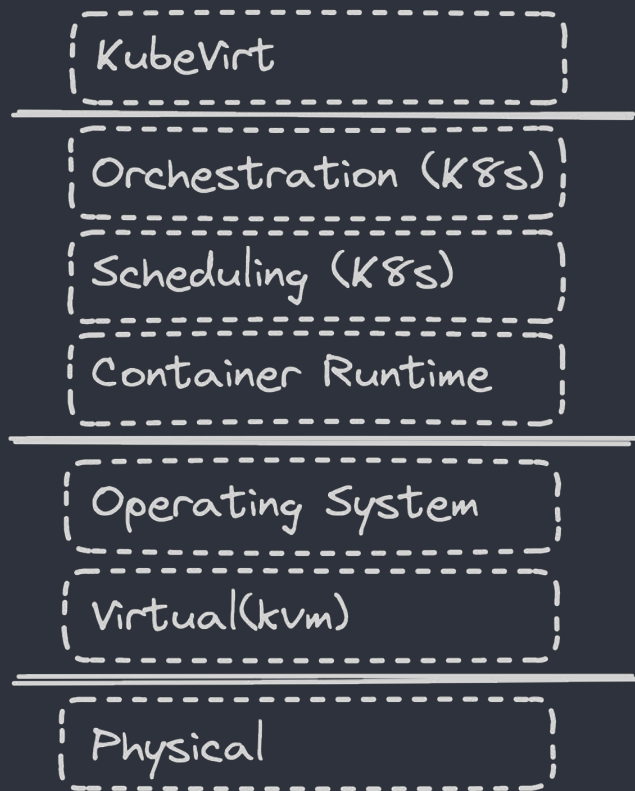




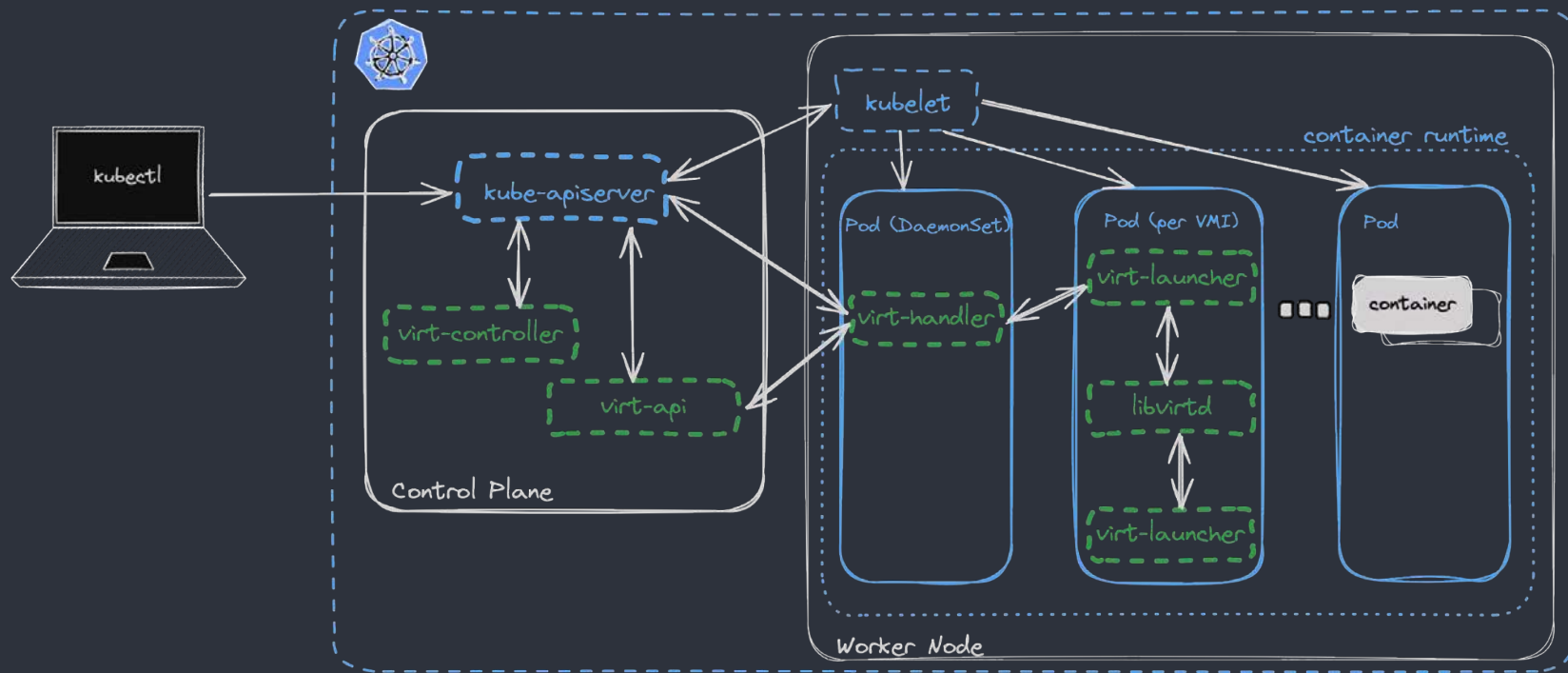
</ Architecture

Users requiring virtualization services are speaking to the Virtualization API which in turn is speaking to the Kubernetes cluster to schedule requested Virtual Machine Instances (VMIs).

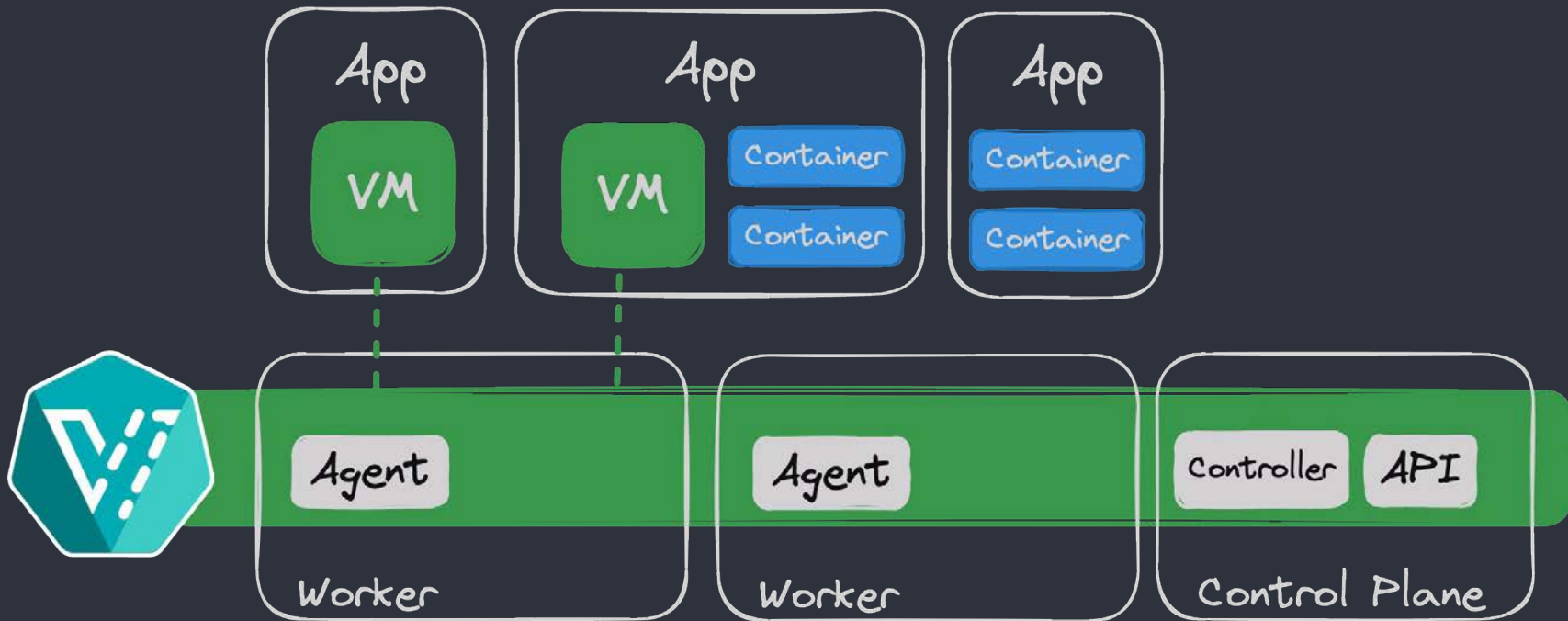
Scheduling, networking, and storage are all delegated to Kubernetes, while KubeVirt provides the virtualization functionality.

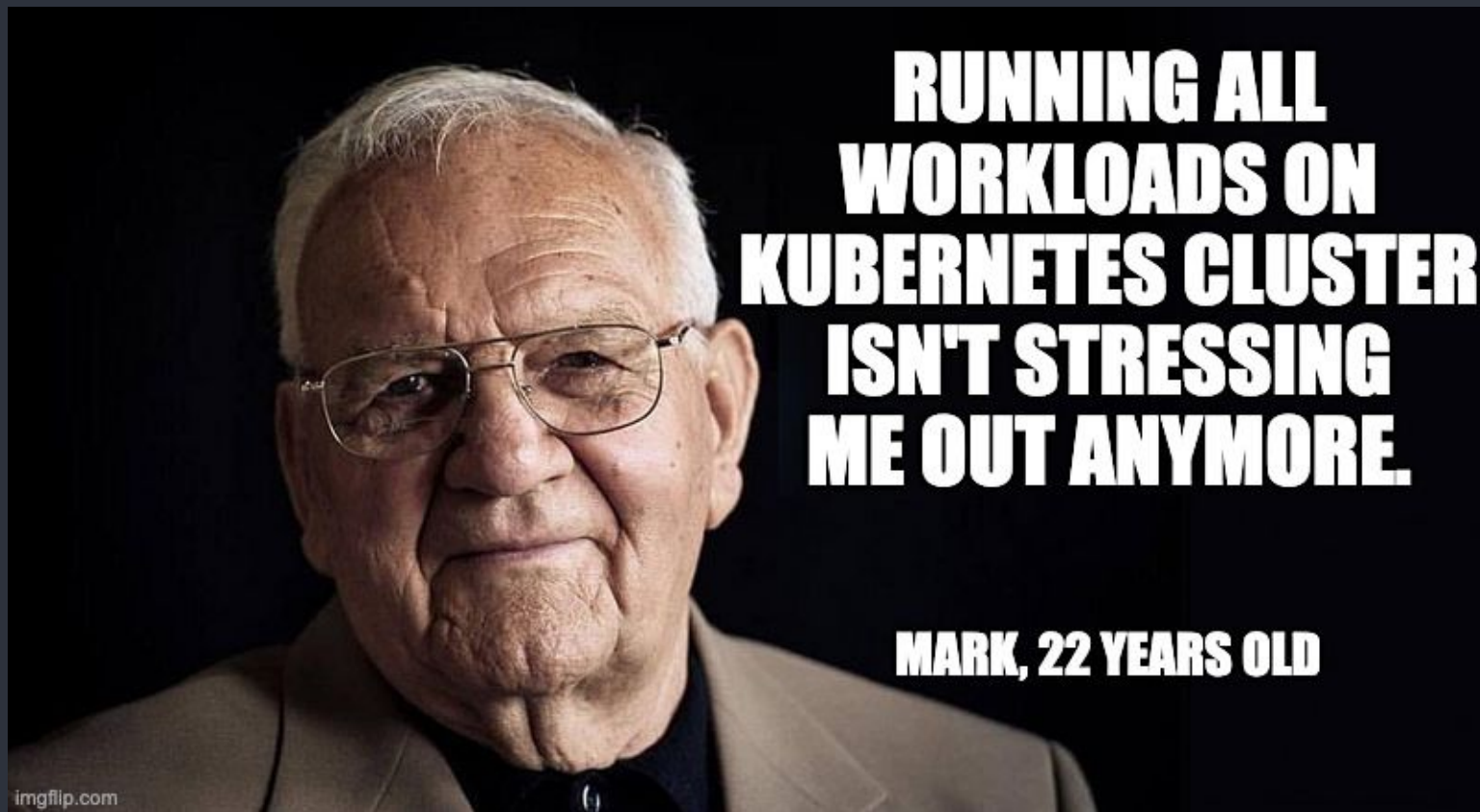


</ How it works



</ Simplified Version





</ DEMO TIME />

Special thanks to



metalstack
cloud

github.com/koksay/kubevirt-demo

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</ Thanks!

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