

# 2018 CONTAINER DAY

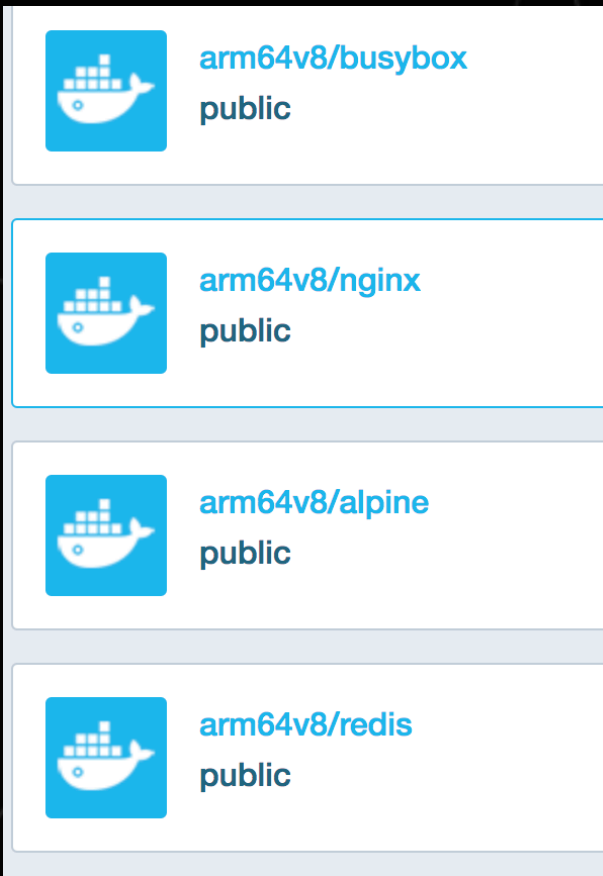
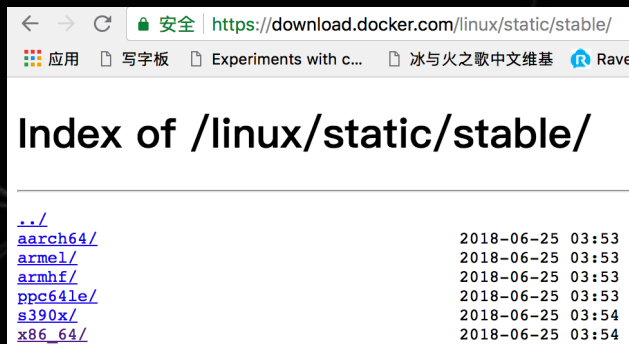
## Run Rancher on ARM

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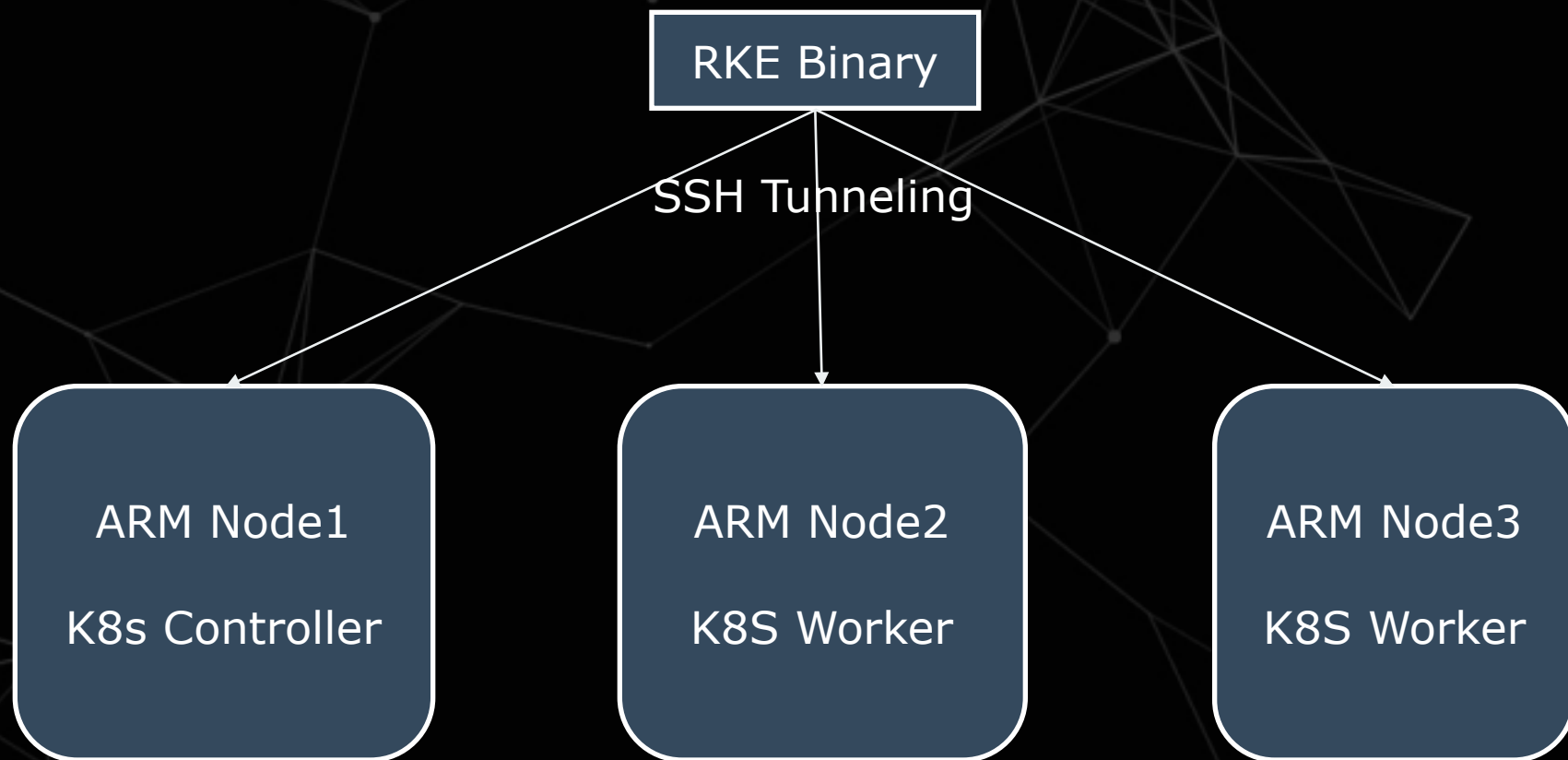
Jun 28<sup>th</sup>, 2018



# Docker on ARM的生态已经初步形成



# 基于RKE创建原生ARM K8S



# rke cluster up --cluster-file cluster.yml

RANCHER®

network\_plugin: flannel

hosts:

- hostname: ubuntu

ip: 192.168.145.141

user: sheng

role: [controlplane, etcd, worker]

docker\_socket: /var/run/docker.sock

advertise\_address: 192.168.145.141

- hostname: ubuntu2

ip: 192.168.145.142

user: sheng

role: [worker]

docker\_socket: /var/run/docker.sock

advertise\_address: 192.168.145.142

services:

etcd:

image: quay.io/coreos/etcd:latest

kube-api:

image: quay.io/coreos/hyperkube:v1.7.5\_coreos.0

service\_cluster\_ip\_range: 10.233.0.0/18

kube-controller:

image: quay.io/coreos/hyperkube:v1.7.5\_coreos.0

cluster\_cidr: 10.233.64.0/18

service\_cluster\_ip\_range: 10.233.0.0/18

scheduler:

image: quay.io/coreos/hyperkube:v1.7.5\_coreos.0

kubelet:

image: quay.io/coreos/hyperkube:v1.7.5\_coreos.0

cluster\_domain: cluster.local

cluster\_dns\_server: 10.233.0.3

infra\_container\_image:

gcr.io/google\_containers/pause-amd64:3.0

kubeproxy:

image: quay.io/coreos/hyperkube:v1.7.5\_coreos.0

# 在Rancher中管理ARM K8S

## User Experience

User Interface • App Catalog • Docker run • kubectl • API • CLI

## Multi-cluster Management

Provisioning • Upgrades • RBAC • Monitoring • Health Checks • Backup



COMPLETE  
CONTAINER  
MANAGEMENT  
PLATFORM

### X86 Cluster



### X86 Cluster



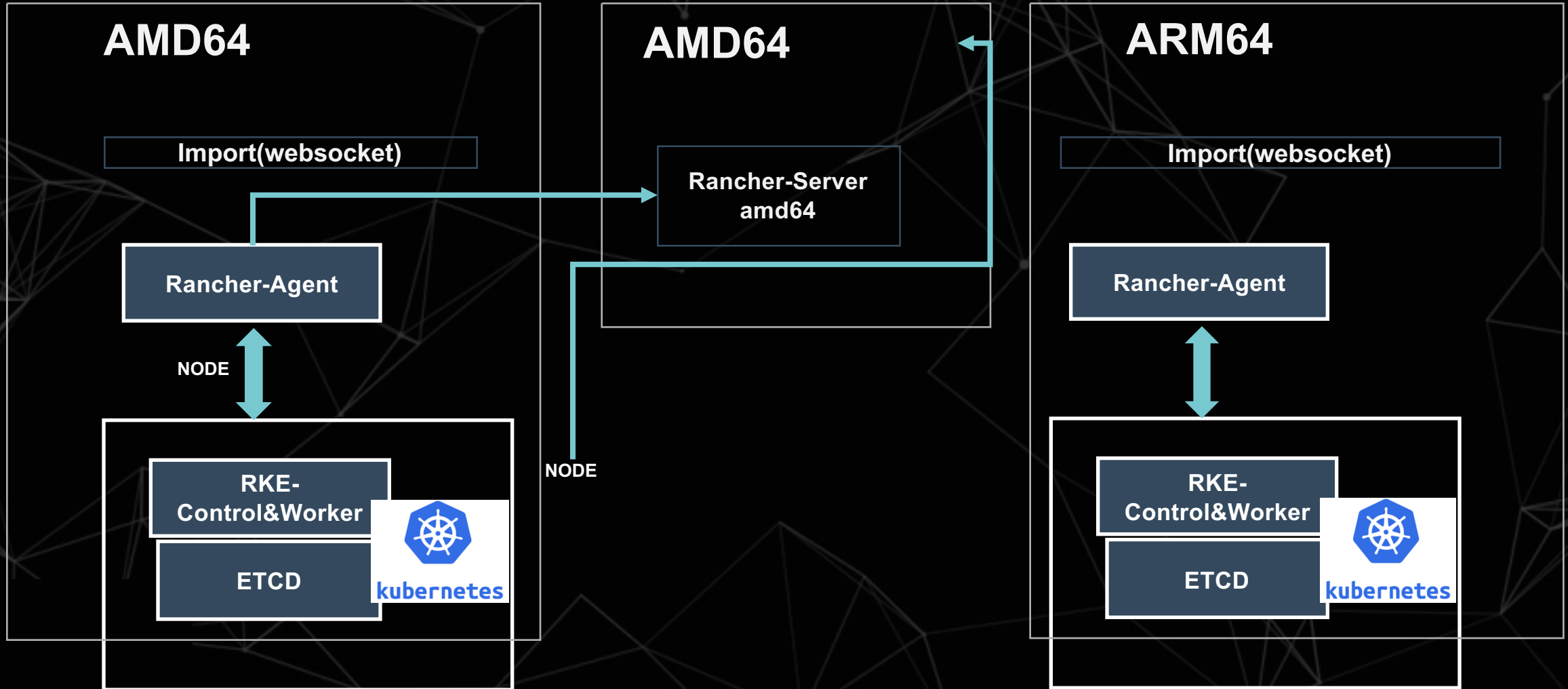
### ARM Cluster



## Multi-cloud Management



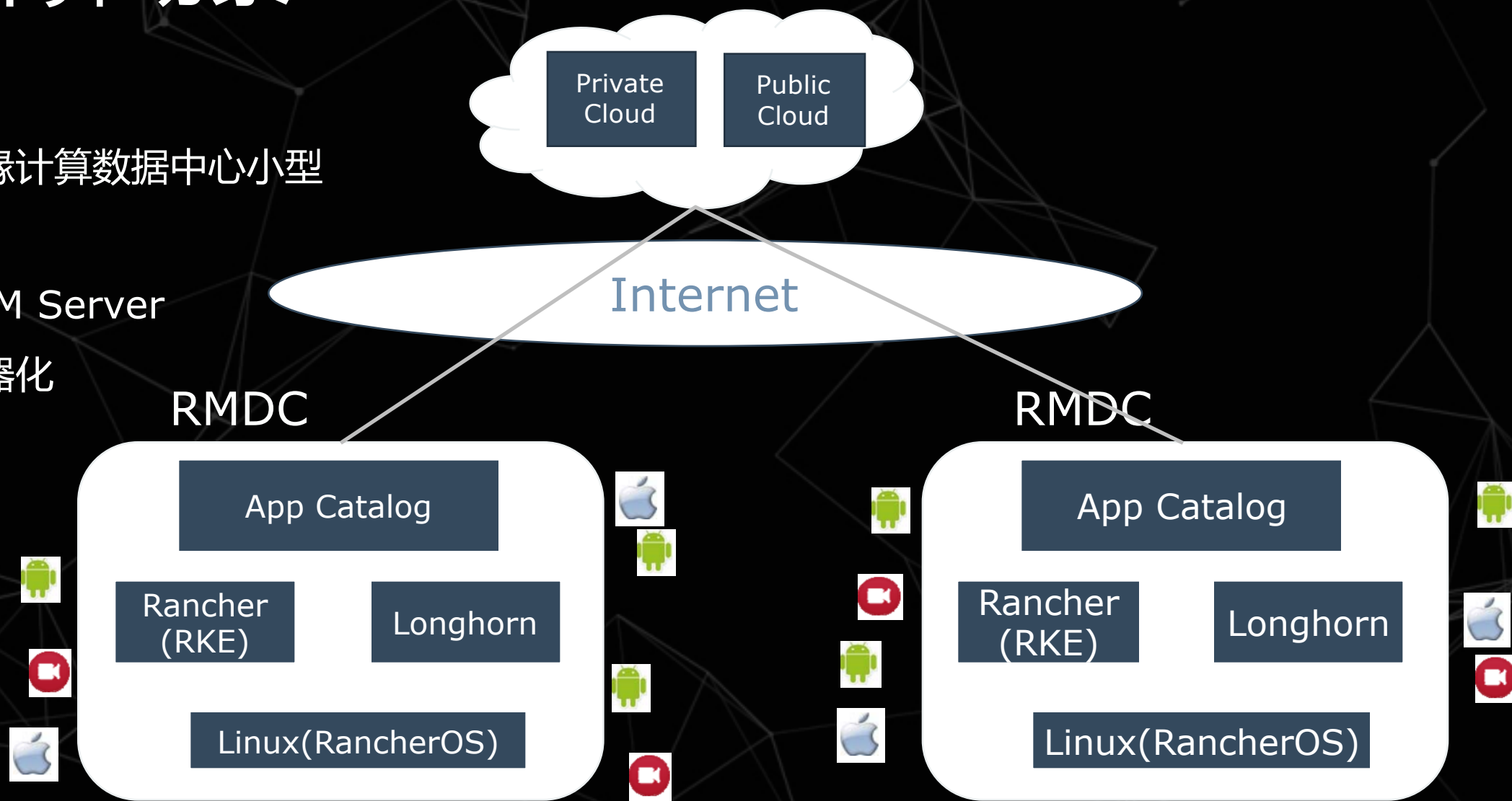
# ARM Rancher Demo





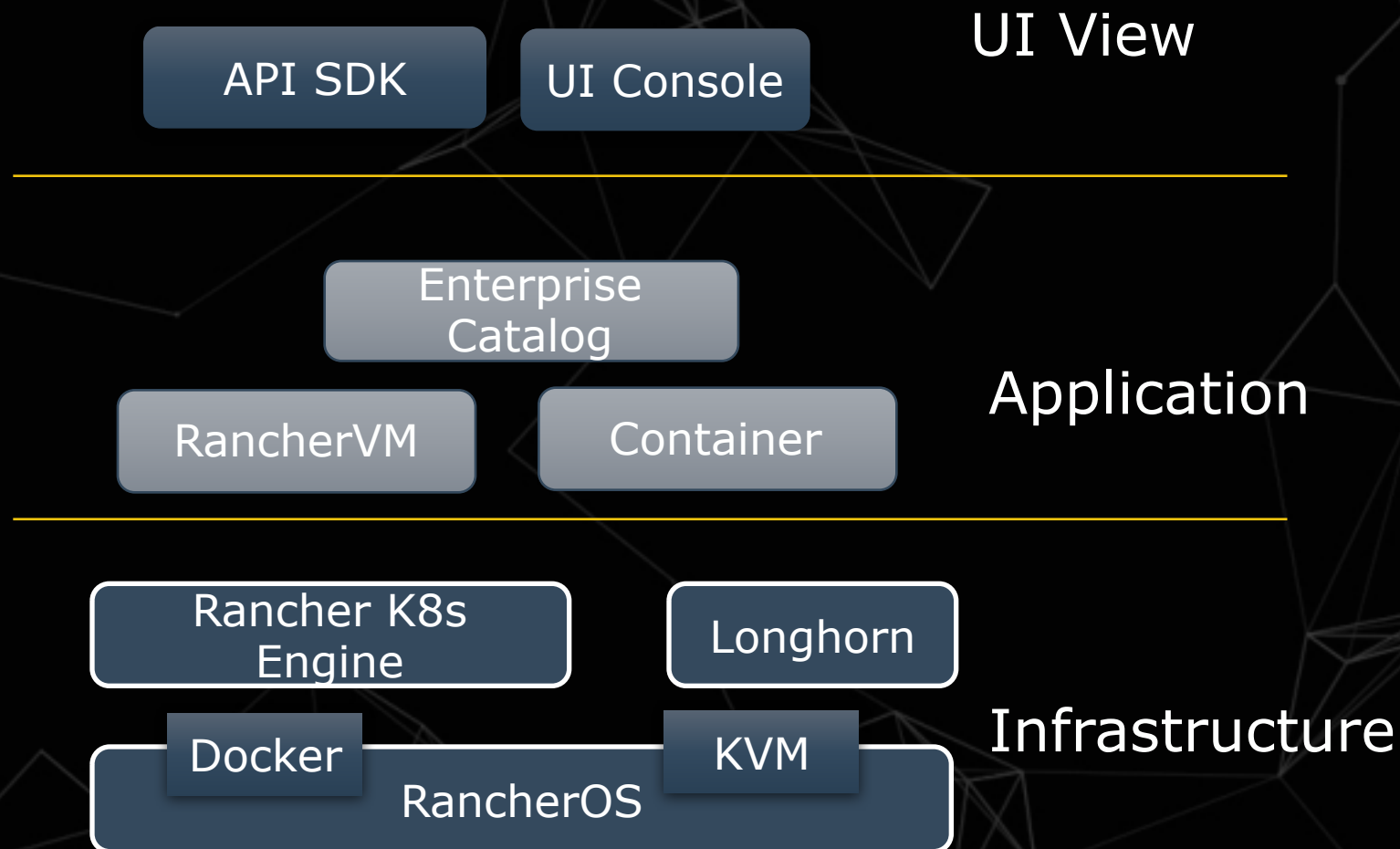
# 边缘计算场景

- 1. 满足边缘计算数据中心小型化需求
- 2. 支持ARM Server
- 3. 全栈容器化



# 一体机场景

1. 支持X86/ARM混合架构
2. 支持容器和VM混合使用
3. 全栈容器化
4. 全部基于Kubernetes编排





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# THANK YOU !

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