



Run Kubernetes Everywhere™



THE FUTURE OF KUBERNETES

76% of enterprises will standardize on Kubernetes within 3 years



Rancher Kubernetes Engine Demonstration



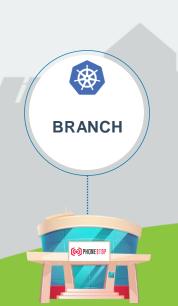
Why?

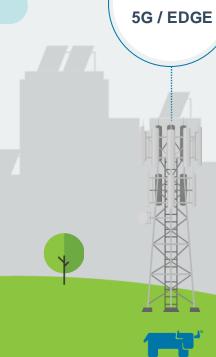
Kubernetes enables a common compute platform across any infrastructure











And a consistent set of infrastructure capabilities

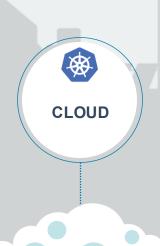
- Common API & Packaging
- Health Checks/HA
- Load Balancing
- Overlay Networking
- Network Security Policies

- Backup and Recovery
- Autoscaling
- Service Discovery
- Networking
- RBAC & Access Control













Organizations can realize key benefits by unifying operations with Kubernetes

Consistently deliver a high level of reliability on any infrastructure

- 2 Improve DevOps efficiency with standardized automation
- 3 Ensure enforcement of security policies on any infrastructure



But! Kubernetes can create overhead and risk



Kubernetes clusters are typically deployed:

Without central visibility

2 Without consistent security policies

3 And must be managed independently

What's required to unleash the power of Kubernetes?

Containerized App 1

Containerized App 2

Containerized App 3

Platform Services (Build & Run)

Centralized Management

Security, Authentication, Policy Enforcement and Governance (Secure)

Consistent Cluster Operations (Run & Manage)

Certified Kubernetes Distributions Run Certified Kubernetes from Dev to Edge







Dev





Rancher enables production quality Kubernetes everywhere

Containerized App 1

Containerized App 2

Containerized App 3



Platform Services (Build & Run)

Rancher HELM Monitor

Monitoring & Alerts



Dashboards & Observability



Service Mesh



Terraform Operator



Longhorn Storage



Security & Authentication











Policy Enforcement & Governance

Centralized Audit Monitoring & Logging

CIS Benchmarking

K3S

RBAC, OPA, Pod & Network Policies

Simplified Cluster Operations & Infrastructure Management (Run & Manage)

Kubernetes version management

Dashboard, Monitoring & Diagnostics

Advanced Infrastructure
Monitoring & Alerting

Cluster Templates & Config Enforcement

Node Pool Management Cluster Provisioning & Lifecycle Management







Datacenter







Dev





Products & Projects



Flagship product - world's most popular Kubernetes Management platform



Highly available persistent block storage for microservices-based, stateful applications



A CNCF-certified Kubernetes distribution that runs entirely within Docker containers



Hosted Rancher control plane available to 99.9% uptime SLA. Add-on to Platinum subscription



K3S

A CNCF-certified, Lightweight Kubernetes distribution. Easy to install, half the memory, all in a binary less than 100MB



Deploy & manage thousands to millions of clusters at the network edge



RIO

Securely build, test, deploy, scale and version stateless app in any K8s cluster



K30S

Simplifies Kubernetes operations in low-resource computing environments



Built to connect overlay networks of different Kubernetes clusters

Putting it all together

ITOps

Provisions Kubernetes, Maintains Central Control & Visibility

Cluster-as-a-Service

Namespace-as-a-Service

- Scope Capacity
- Delegate Administration
- Apply Access and Security Policies

Resources

Leverage Kubernetes Shared Services



DevOps

Realizes Advanced Capabilities With Kubernetes

Continuous Delivery

Canary, Blue/Green Deployments

Reactive Autoscaling

Automate DNS & Load Balancing

SSL and Certificate Management

Secret Management

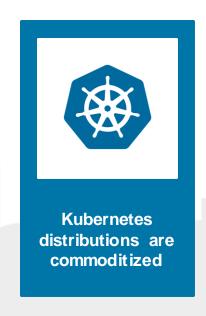






Rancher's Unique Approach















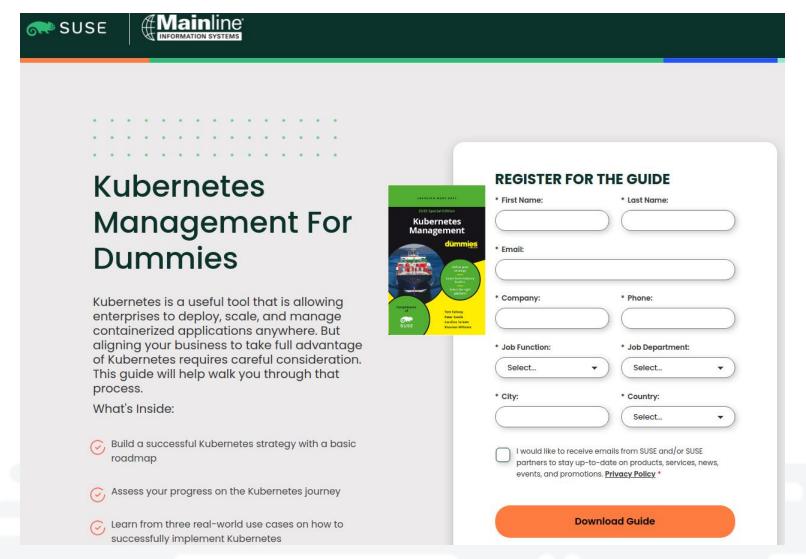
Leading companies everywhere use Rancher

MEDIA & **RETAIL & HEALTHCARE GOVERNMENT TELECOM & MSPS** FINANCIAL SERVICES **TECHNOLOGY ENTERTAINMENT MANUFACTURING** DISNED NHS - BASF **Fidelity** LOCKHEED MARTIN Charter COX EXPRESS We create chemistry tuco **FOX** CORT OCC COMCAST SPORTS iao (absa) **Honeywell** ICBC Australian Governmen Genentech nielsen SAIC EQUINIX **3. PIONEER. Putnam** Johnson Johnson TattsGroup **Schlumberger** BAILLIE GIFFORD **UNALCOWM** SEL Telstra us bank. Westfield COOP **Cerner UK Research** ERADATA Science & Technology KPMG dish > bmc SIGNET 中国平安 illumına[®] National Energy Research PINGAN DWC OPTIV Scientific Computing Center Great cencosud Viasat:" Eastern RioTinto INVITAE DB BAHN Argonne kpn PlayStation. RAYMOND **AVIVA invisalign BLUE ORIGIN** JAMES[®] dimension / Booz | Allen | Hamilton MSCI Elavon data A Howard Hughes Medical Institute Ontario Infosys Exclibris SHERWIN-WILLIAMS. **CROWN** sky bet CASTLE CENTENE MINISTÈRE DES SERVICES Schneider Electric **SOPHOS** windstream. Munich RE **♥**CVS DIGITAL SAMSUNG technologies MICHELIN Health. **ZIFF** DAVIS AXON . Maritz CX T··Mobile· KSAT! NERSC U.S. AIR FORCE imagia 🦅 LLOYDS servicenow GALLERIA MARSH & MCLENNAN DSb **MERCK** BAE SYSTEMS billtrust* TUDOR DXC.technology CNTV Secureworks Cuscal 🔼 **SIEMENS** DRIV 中国网络电视台



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Rancher Cluster Management Demonstration

Questions?