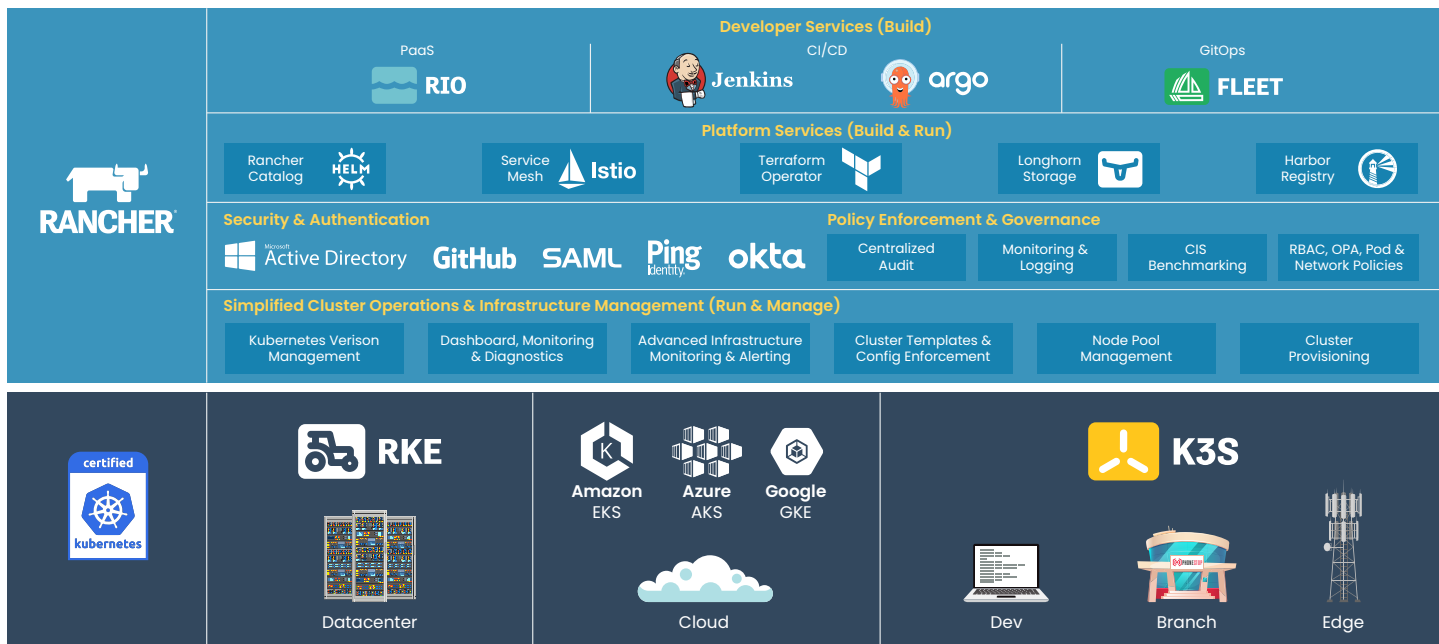# Run Kubernetes Everywhere

Multi-Cluster Kubernetes Management

Rancher is an open-source enterprise Kubernetes management platform that helps ITOps address the operational and security challenges of managing certified Kubernetes clusters from the core, cloud and at the edge. It also provides DevOps teams with integrated tools for building and running containerized workloads at scale.

IT OPERATIONS	DEVOPS
Cluster-as-a-Service	Continuous Delivery
Namespace-as-a-Service	Canary, Blue/Green Deployments
Store Capacity	Reactive Autoscaling
Delegate Administration	Automate DNS & Load Balancing
Apply Access & Security Policies	SSL, Certs & Secret Management

From data center to cloud to edge,

Rancher is your complete enterprise computing platform to run Kubernetes at scale

RANCHER

Developer Services (Build)

PaaS	CI/CD		GitOps
RIO	Jenkins	argo	FLEET

Platform Services (Build & Run)

Rancher Catalog (HELM)	Service Mesh Istio	Terraform Operator	Longhorn Storage	Harbor Registry

Security & Authentication — **Policy Enforcement & Governance**

Microsoft Active Directory	GitHub	SAML	Ping Identity	okta	Centralized Audit	Monitoring & Logging	CIS Benchmarking	RBAC, OPA, Pod & Network Policies

Simplified Cluster Operations & Infrastructure Management (Run & Manage)

Kubernetes Verison Management	Dashboard, Monitoring & Diagnostics	Advanced Infrastructure Monitoring & Alerting	Cluster Templates & Config Enforcement	Node Pool Management	Cluster Provisioning

certified kubernetes

RKE

Amazon EKS **Azure** AKS **Google** GKE

K3S

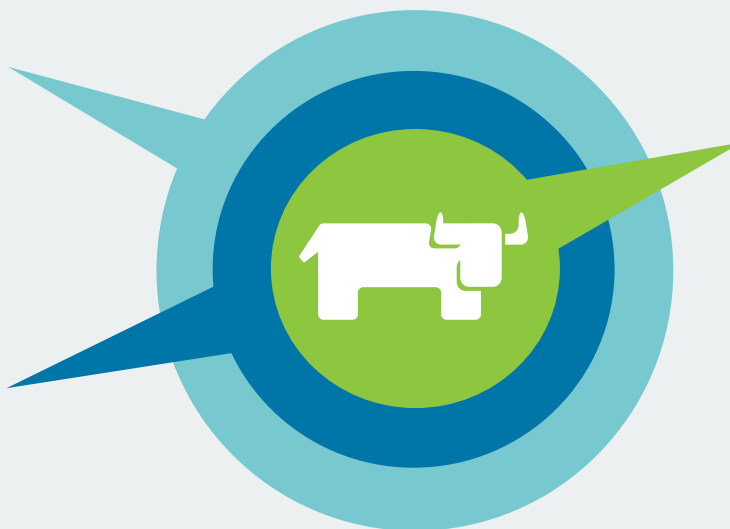| Datacenter	Cloud	Dev	Branch	Edge

The Rancher Enterprise Subscription

Onboarding services
Customer success led three phase onboarding plan

Consulting services
Accelerate training, architecture and implementation

24x7 global support
Comprehensive technical support across Rancher

Full Lifecycle Management of Amazon EKS Clusters

How Rancher 2.5 enhances native EKS clusters

Lifecycle Management	Features Required	EKS with Rancher 2.5	EKS only
Configure & Provision	Enterprise Kubernetes Management	Provision new clusters through Rancher GUI/API Enhanced EKS cluster import	AWS Console; 3rd party tools
Manage	Infrastructure Management	Enhanced configuration of underlying infrastructure	AWS Console
	Visualize Kubernetes Resources	New Rancher dashboard explores all Kubernetes resources	Kubectl; 3rd party tools
	Integrated Monitoring & Logging	Enhanced Monitoring [Prometheus] Enhanced Logging [Fluentbit / Fluentd]	Manual install
	Simplified Service Mesh	Rancher supported Istio 1.6	Manual
Secure	Centralized Tooling and Visibility	Centralized RBAC policy definition Centr alized Auth CIS Scanning OPA Gatekeeper	Kubernetes native
Upgrades	Push-button Kubernetes upgrades	Rancher GUI/API upgrades of created and imported clusters	AWS Console; 3rd party tools
Apps	Easy access to CNCF tools and 3rd party apps	Rancher Certified packages Custom Rancher Catalogs Helm Kubectl	Helm; Kubectl

Hosted Rancher

Want us to look after Rancher while you focus on your downstream Kubernetes operations? Hosted Rancher supports our customer's on-premises and cloud-based infrastructure including EKS, AKS and GKE. To maximize scale-out and security, we've built Hosted Rancher using our proven reference architecture.

Free up your teams to focus on Day 2 cluster operations

Maintain full visibility & control of your clusters

Streamline your release pipeline

Stress-free upgrades, security patches & backups

Remote monitoring and log management

Business continuity for critical Infrastructure and applications

Enterprise assurance with our 99.9% uptime SLA

Built using our reference architecture

Lowest TCO helps you build a business case for Kubernetes

What industry analysts say...

"Rancher excels with robust multi-cloud orchestration and security...and...is best for firms seeking an open source, cross-cloud Kubernetes control plane."

FORRESTER®

What our customers say...

sling TELEVISION

"Using Rancher increases our efficiency and allows our engineering teams to focus on creating the next great product innovations that will help Sling TV provide a better experience for our customers."

Brad Linder
Director, Cloud Engineering

IHME

"Using Rancher, we're able to get our deployment bottlenecks out of the way and that means we get our science done quicker."

Andrew Erns
Operations Manager

Cetera FINANCIAL GROUP

"When we started using Rancher, what really stood out was the ease of use for the developers. We could, within an hour, actually have development teams be completely independent."

Cola Calintaru
Enterprise Architect

Rancher's Open Source Products

RANCHER®

KUBERNETES MANAGEMENT PLATFORM

Rancher centralizes the management of any Kubernetes cluster in order to maximize security and accelerate transformation. Rancher is a Kubernetes Management Platform built to address the needs of both the DevOps teams deploying applications with Kubernetes and the IT staff responsible for delivering an enterprise-critical service.

RKE

CERTIFIED KUBERNETES DISTRIBUTIONS

Rancher Kubernetes Engine (RKE) is a lightweight Kubernetes installer that supports installation on bare-metal and virtualized servers. RKE solves a common issue in the Kubernetes community: installation complexity. With RKE, Kubernetes installation is simplified, regardless of what operating systems and platforms you're running.

K3S

LIGHTWEIGHT KUBERNETES

K3s is a CNCF Sandbox project and Certified Kubernetes distribution designed for production workloads in unattended, resource-constrained, remote locations or inside IoT appliances. Easy to install, the K3s binary is less than 40 MB, and it requires only 512 MB of RAM to run Kubernetes. Both ARM64 and ARMv7 are supported with binaries and multiarch images available for both.

LONGHORN

PERSISTENT BLOCK STORAGE

Longhorn is a lightweight, reliable, and powerful distributed block storage system for Kubernetes. Now a CNCF Sandboxed project, it creates a dedicated storage controller for each block device volume and synchronously replicates the volume across multiple replicas stored on multiple nodes. The storage controller and replicas are also orchestrated using Kubernetes.

INTERESTED IN LEARNING MORE?
VISIT RANCHER.COM OR CONTACT US AT SALES@RANCHER.COM