



# HPE solutions for Rancher Prime

## Easy management of multicloud Kubernetes

Gartner predicts that “by 2027, more than 90% of global organizations will be running containerized applications in production.”<sup>1</sup> As such, the container application market is expected to grow exponentially, reaching \$44.6 billion by 2030 with a compound annual growth rate of 29.2%.<sup>2</sup> While Kubernetes (K8s) has become the de facto standard for orchestrating containers, it poses challenges if not deployed and managed the right way. Over 30% of organizations using 1,000 or more hosts are working across multiple clouds,<sup>3</sup> significantly increasing management complexity. Rancher Prime — developed by Rancher Labs, which is owned by SUSE® — is a complete software stack for K8s and containerized applications. It addresses the operational and security challenges of managing multiple K8s clusters across any infrastructure, while providing DevOps teams with integrated tools for running containerized workloads.

### Today’s challenges

- It’s difficult to deploy and monitor multicloud K8s in a hybrid environment.
- Operators are intimidated by the expertise required to leverage K8s in different environments.
- It’s a struggle to implement security when it comes to containers.
- Enterprises need to transform by going cloud native, but many of the available solution options are proprietary.

### How we can help

- Rancher Prime gives operators everything they need to orchestrate containerized applications consistently and securely across any infrastructure and environment, easily and quickly.
- Rancher Prime is 100% open source, so it doesn’t lock anyone into a single solution. This gives customers the flexibility they need to transform.
- With Rancher Prime customers can manage K8s clusters and containers anywhere — on-premises, at the edge, and even on developer laptops.
- Operators can easily define role-based security policies that dictate access to, and operation of, K8s clusters and containerized workloads.

<sup>1</sup> “[Top 10 FAQs about Container and Kubernetes](#),” SUSE, accessed November 2023.

<sup>2</sup> “[Application Containers: Global Strategic Business Report](#),” Research and Markets, November 2023.

<sup>3</sup> “[9 Insights on Real-World Container Use](#),” Datadog, November 2023.



## Business benefits

- Make the most of Kubernetes and containers.
- Transform the digital landscape to operate everywhere with confidence — from core to cloud to edge.
- Move quickly, with a solution that’s flexible enough to run K8s on any Cloud-Native Computing Foundation (CNCF) certified K8s distribution.
- Empower IT staff to do more with less effort, and swift the focus from manual and repetitive tasks to value added activities

## HPE solution details

Let Rancher Prime provide the confidence enterprise ITOps and DevOps teams need to tackle the operational and security challenges of managing multiple K8s clusters across any infrastructure at scale.

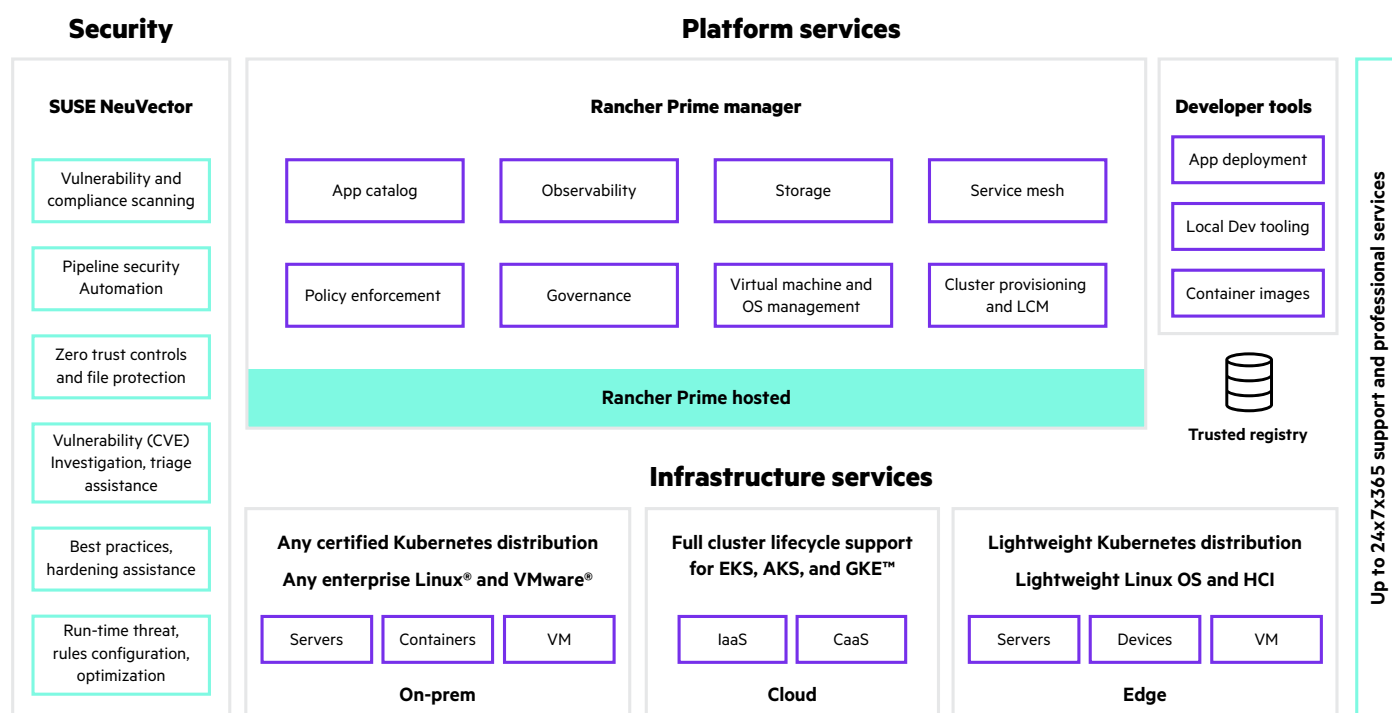


Figure 1. Rancher Prime solution whiteboard

### About

The Rancher Prime whiteboard showcases how to manage K8s at scale. It includes a CNCF-certified K8s distribution, such as Rancher Kubernetes Engine (RKE), K3s, Amazon Elastic Kubernetes Service (EKS), Azure Kubernetes Service (AKS), and Google™ Kubernetes Engine (GKE). It also includes centralized multicloud management that simplifies cluster operations, persistent storage, consistent security and compliance capabilities (trusted private registry), and easy access to preconfigured shared tools and services. And it’s all backed by world-class HPE support and professional services.

### Advantages

Deploy production-grade K8s clusters anywhere. Rancher Prime unites them with full lifecycle management, centralized authentication, access control, and advanced observability. The ability to orchestrate containerized applications consistently and securely across any infrastructure represents significant savings for any enterprise.



Offering

HPE solutions for Rancher Prime come in three configurations sizes built on HPE ProLiant DL360 servers with high-performance network connectivity. Configurations include:

- **One Rancher management cluster:** Hosts Rancher and provides central management for one or more downstream Kubernetes workload clusters. It is implemented across VMs, which are provisioned across three physical servers and can be placed in different availability zones to provide high availability (HA).
- **One or more workload clusters:** Each workload cluster is configured with 3 etcd nodes and 3 worker nodes and provisioned across three physical servers for high availability.

Table 1. S/M/L offerings

		Small	Medium	Large
Rancher Management Cluster	Number of Management Cluster (Rancher)	1	1	1
	Number of workload clusters	1	2	3
Workload Cluster	Number of control plane + etcd nodes	3	6*	9*
	Number of worker node	3*	6*	9*

\* Proposed configuration, changes may affect subscription cost

Starting from  
**\$7,387**  
Per month\*


Table 2. Rancher Prime offering with option for Longhorn

Configuration sizes	Small	Medium	Large
Rancher Prime	2 sockets — 32 cores 128 GB, 1.6 TB SSD USD\$7,387/MTH*	2 sockets — 48 cores 256 GB, 3.2 TB SSD USD\$13,246/MTH*	2 sockets — 64 cores 128 GB, 3.2 TB SSD USD\$14,601/MTH*
Rancher Prime with Longhorn	2 sockets — 32 cores 128 GB, 3.2 TB SSD USD\$9,180/MTH*	2 sockets — 48 cores 256 GB, 6.4 TB SSD USD\$15,870/MTH	2 sockets — 64 cores 384 GB, 6.4 TB SSD USD\$18,067/MTH
Includes	3 x HPE ProLiant DL360 with 2 x Intel® Xeon® CPUs and local SSD storage, Rancher Prime and operating system subscriptions and HPE Professional Services.		
Options	<div><div><ul style="list-style-type: none"><li>• HPE Managed Services</li><li>• HPE Education Services</li><li>• DevSecOps with onboarding a simple application</li></ul></div><div><ul style="list-style-type: none"><li>• Migrating a simple application to containers</li><li>• Migrating an application from other K8s to Rancher</li><li>• Kasten backup solution</li></ul></div></div>		

\* Pricing as of January 2024. Subject to change, not inclusive of options.

Learn more at

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