



Container Server Manager

KSM

Deployment, Operation, and Management Consolidated Insights

Key Benefits

Integrated

- Combine computing, storage, and container runtime into one streamlined platform
- Simplify cluster and service management with a unified interface

Always-On

- Enterprise-class cluster resiliency ensures services remain online without disruption
- Scales on demand to grow with your business seamlessly

Simplified

- Plug-and-Play deployment makes services ready in minutes
- Import and run applications with minimal configuration

Overview

KSM is an enterprise-grade container server management that unifies computing, storage, and services into a single management layer. Designed for modern IT environments, it eliminates the complexity of traditional Kubernetes deployment by providing a streamlined, plug-and-play experience.

Flexible Service Deployment

KSM empowers enterprises with agile and scalable application deployment, supporting containerized services of any size. With built-in resource control and broad image compatibility, IT teams can accelerate innovation without complexity.

Scalable and Resilient Cluster Architecture

Built for modern IT, KSM enables organizations to expand with confidence while maintaining high availability. Its flexible cluster design and live migration capabilities ensure workloads keep running seamlessly.

- Expandable up to 8 nodes
- Live migration across clusters and nodes
- Seamless microservice optimization within cluster

Comprehensive Service Continuity

KSM integrates multiple layers of protection to safeguard critical data and applications. From system-level to application-level backups, enterprises can ensure uninterrupted operations and fast recovery.

Elastic and Reliable Data Retention

KSM combines software powered storage flexibility with proven RAID technology, enabling enterprises to manage data with efficiency and reliability.

Software Specification

System	Operating System	64-bit embedded Linux
	Maximum Service Quantity	32 ¹
Service	Service Import	Native / Docker Hub / Open Source-center
	Service Resource Quotas	CPU, RAM, Clone Amount Number / Service QoS
	Image Compatibility	Docker / Kubernetes
Cluster	Cluster Implementation	2 ~ 8 (per Cluster) ²
	Service Migration	Node to Node / Cluster to Cluster
Storage	RAID Type	RAID 0 / 1 / 5 / 6
	Data Preservation	Local / External: NFS, iSCSI
Service Availability	Backup and Protection	Snapshot / Rsync / Replication
	Backup Scale	System / Data / Service
Management	Management	System Log / Cluster Monitor / Node and Service Information / Event Log
	Management Interface	Web UI / RESTful API
Notes	1. Per CPU Core 2. Including 1 Master Node	