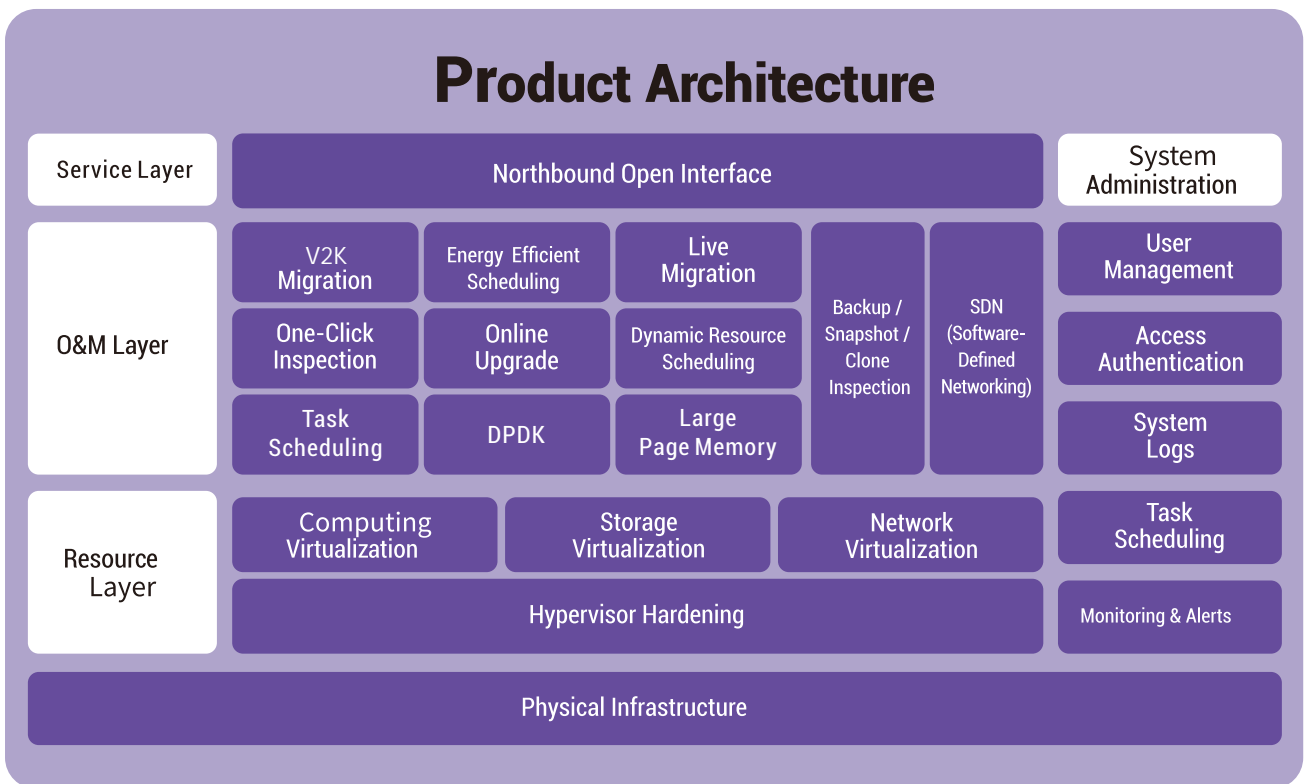


The server virtualization system **KayGrid**

## • Product Overview

The server virtualization system KayGrid is an enterprise level open virtualization platform that is applicable to multiple industries and is highly generalized. By applying virtualization technology to pool computing, storage and network resources of hardware devices, the entire IT environment can achieve higher availability, security and scalability, meeting enterprises' demands for cost reduction, easy management, wide compatibility, high security and high performance. This helps customers migrate their core business to the cloud and builds a stable, efficient and truly user friendly enterprise level cloud data center.



## • Core Function

**Backup & Disaster Recovery Technology**

KayGrid offers a variety of backup and disaster recovery technologies, including virtual machine (VM) backup, snapshots, cloning and other functions. Without the need to install third-party software and plugins, it enables disaster recovery at different locations, providing customers with multiple solution capabilities for scenarios such as continuous data protection for critical business and dual-active data centers.

## Cross-Platform VM Migration

The KayGrid platform can manage the VMware platform and supports the online bidirectional crosscloud migration function between the VMware and KayGrid platforms. Within the KayGrid management interface, it can batch migrate virtual machines from the source site to the target site platform without interruption, and the migration process does not require manual shutdown and restart operations.

## Unified Management Platform

The ALL IN ONE interface management enables one management platform to achieve installation deployment, operation and maintenance management, monitoring and alarm, and capacity expansion and modification. It realizes unified management of multiple computing powers and can manage Intel and AMD clusters uniformly. It provides real-time resource monitoring capabilities, health inspection capabilities, monitoring and alarm as well as self-handling capabilities, reducing the complexity of operation and maintenance.



# • Product Specifications

Category	Configuration Items	Maximum Configuration
<b>Host</b>	Maximum number of VMs per site	10,240
	Maximum number of hosts per site	1,024
	Maximum number of clusters per site	32
	Number of raw device storage pools per site	3
<b>VM</b>	vCPUs per VM	128
	Virtual disks per VM	157 (Recommended: 52)
	Virtual network interfaces per VM	16
	Snapshots per VM	32 (Recommended: 16)
	Passthrough PCIe devices per VM	31 (Recommended: 16)
<b>Storage</b>	Virtual disks per local storage pool	2,046
	Storage pools per CFS storage domain	32 (Recommended: 16)
	Maximum host mounts per CFS storage pool	64 (Recommended: 16)
	Virtual disks per CFS storage pool	2,046
	Maximum capacity per CFS storage pool	4 PB (Recommended: 64 TB)
	Concurrent storage migrations per storage pool	4

# • Application Scenarios

Data Center Construction, Transformation & Expansion

Private Cloud Data Center

Compute Virtualization with Storage-Compute Separation Architecture

Branch & Edge Cloud Deployment

# • Customer Value

## • Rapid Cloud Migration, Simplicity & Ease of Use

The KayGrid platform can optimize the IT infrastructure and flexibly manage the underlying resources. The ALL IN ONE interface management can help customers deploy their business applications quickly.

## • Smooth Upgrades & Flexible Scalability

Equipment upgrade is carried out without interrupting or suspending the business, providing customers with a cloud that is widely compatible, easily expandable and upgradeable.

## • Energy Efficiency & High Performance

The KayGrid platform conducts unified resource pooling management for customer resources, which can reduce the operation and maintenance costs for customers and the consumption of the data center, save the space of the data center, and improve the utilization rate of equipment resources.

## • Security, Reliability, Stability & Efficiency

KayGrid platform is equipped with multi-dimensional security mechanisms and comprehensive monitoring and alarm functions. It can ensure the data security and stability of the platform and facilitate the efficient and continuous operation of business applications.