



OceanStor DJ is service-driven storage control software, supporting unified management of storage resources, flexible orchestration of service catalogs, and automatic deployment of storage services and data applications to improve operational efficiency at data centers.

## General Application

Huawei OceanStor DJ features an open architecture based on OpenStack and employs standardized RESTful interfaces, enabling access to a data center without having to make any changes to the existing network architecture. Deployed independently, OceanStor DJ can function as a storage virtualization platform, to enable unified management over storage devices, automatic allocation and protection of storage resources. It can also integrate with a cloud data center to deliver storage virtualization and a rich X-as-a-Service catalog. Interoperability with Huawei and third-party O&M platforms allows the DJ to provide automated storage resource management, allocation, and protection services for the end-to-end processes in data center operations – raising O&M efficiency to new heights.

## Product Features

### Storage Resource Virtualization

- **Open architecture:**  
Open interfaces allow you to choose hardware from any storage vendor, avoiding vendor lock-in. OpenStack-based architecture enables a pain-free evolution to the cloud data center layout, protecting your existing investments.
- **Unified management of all storage resources:**  
Abstracts heterogeneous hardware at the underlying layer and provides a unified interface so you can centrally manage SAN, NAS, and object storage. The orchestrator also allows you to manage data storage and protection applications in a unified manner.
- **Resource pooling:**  
Consolidates storage resources into a unified pool based on resource capacities and allocates resources on demand, improving the resource utilization to 70% or higher.

### Automatic Service Deployment

- **Service-driven:**  
Storage services are allocated based on workload. The system intelligently matches the optimal storage resources to tasks, enabling users with limited storage knowledge to easily obtain storage resources on demand.
- **Flexible service orchestration:**  
Rich service catalogs and orchestration tool allow you to flexibly call up the utilities you want, when you want them.
- **Service rollouts within minutes:**  
Self-help service applications make ordering from the visualized service catalog quick and easy; template-assisted automated deployments shorten the time needed to rollout services from days and weeks down to minutes.

### Data-Application-as-a-Service

- **Freely choose the data application you want:**  
You can select Huawei or third-party backup applications to provide data protection service.

## Technical Specifications

Category	Name	Basic Version	Advanced Version	
Storage resource virtualization	Block storage management models	Huawei SAN storages		
		NA	EMC, HDS, HP, IBM, NetApp, etc.	
	File storage management models	Huawei NAS storages		
	Object storage management models	Huawei object storages		
	Storage device management scale	Single-node deployment: ≤ 128	Three-node deployment (HA): ≤ 500	
	Management hosts and OSs	SUSE Linux Enterprise Server, CentOS, Red Hat Enterprise Linux, Windows Server, AIX, HP-UX, vCenter Server, ESX/ESXi Server, XenServer, Euler OS, etc.		
	FC switch models	Brocade, CISCO		
	Self-defined virtual resource pools	Supported		
	Self-defined SLA	Supported		
Service deployment automation	Block storage service	Volume creation, mounting, expansion, deletion, and information query; configuration of consistency groups		
	File storage service	Share and unshare of CIFS and NFS files, query of shared information		
	Object storage service	Creation and deletion of S3 buckets and Swift containers; information query		
	Data protection service based on array features	NA	Creation of volume snapshots, snapshots rollback, active-active volumes, and replication volumes Creation of file share snapshots, active-active file share, file share replication	
	Industry-specific service catalog	NA	Service catalogs for ERP, online banking, and BSS systems Ability to customize service catalogs to specific service requirements	
Data backup	Backup service	NA	Supports volume creation with periodic backup capability. Create/recover/delete volumes based on backup copies. Support consistent group	
	Supported backup software	NA	Huawei eBackup, EISOO AnyBackup, IBM TSM	
Management server specifications	Operating system	SUSE Linux 12 SP2 x86_64		
	CPU	Minimum configuration: 64-bit x86 (4 Core, 2.00 GHz) * 2 Recommendation configuration: 64-bit x86 (8 Core, 2.00 GHz) * 2		
	Memory	Minimum configuration: 16 GB memory	Recommendation configuration: 32 GB memory	
	Required free disk space	Minimum configuration: 105 GB	Recommendation configuration: 500 GB	
	Management network bandwidth	Bandwidth: 100 Mb/s		
Browser specifications	Browser	Internet Explorer, Google Chrome, Firefox		

### For More Information

To learn more about Huawei storage, please contact the local office or visit Huawei Enterprise website <http://e.huawei.com>.



Huawei Enterprise APP



Huawei IT



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