



Huawei OceanStor ReplicationDirector is a piece of software that manages disaster recovery (DR) of enterprise data centers. Based on sensitive application awareness, the ReplicationDirector works jointly with value-added features of Huawei storage arrays to provide the following functions:

- Ensuring application data consistency during the DR
- Completing DR service configuration in a simple and efficient manner
- Monitoring the running status of the system DR service in a graphical way
- Conducting data recovery and DR drills rapidly and conveniently

Features

Rights- and domain-based management

- Control is based on user rights
- Only users who have management rights are allowed to perform authorized operations
- Only users who are granted the permission to operate a management domain can manage the devices in that management domain

Unified multi-site DR management

- Unified management of the unified DR scenario, the two-region three-center DR scenario, and the point-to-point DR scenario
- Automated DR protection process for higher management efficiency and simpler management
- Graphical end-to-end DR policy topology, displaying the DR relationship among production hosts, databases applications, storage space, and DR sites in an intuitive manner
- Graphical global end-to-end DR topology, displaying the topology relationship between DR devices in an intuitive manner

One-click DR drill and fault recovery

- Automated process design simplifies DR drills and fault recovery processes
- DR drills do not affect the production site's services
- One-click fault recovery allows you to switch data or database applications to a DR site, minimizing the RTO

Northbound interfaces

- Customers' service systems can be integrated with the ReplicationDirector on demand
- With the support for the REST interface, the ReplicationDirector can be integrated with third-party systems and upper-layer service systems

Technical Specifications

Category	Name	Description
Compatibility	Storage array type	T series V200R001, S5000T series V100R001/ V100R002/ V100R003/ V100R005,HVS
Functions	Site management	Supported
	Rights- and domain-based management	Supported
	DR topology	Supported
	Fault recovery	Data-level fault recovery
	Planned migration	Data-level planned migration
	Recovery plan	Recovery plan management
	Northbound interface	REST
	Remote replication	Asynchronous remote replication between Huawei storage arrays (consistency group)
Management	Max. number of sites	32 local sites 32 remote sites
	Max. number of protection groups	64
	Max. number of protection polices	64
	Max. number of recovery plans	64
	Max. number of storage arrays	2 high-end storage arrays, or 8 mid-range storage arrays, or 16 low-end storage arrays
	Max. number of service hosts	32
Management server	Operating system	SUSE Linux Enterprise Server 10 SP2 64-bit SUSE Linux Enterprise Server 11 SP1 64-bit Windows 2003/2008 64-bit
	CPU	Quad-core 1.6 GHz
	Memory	8 GB
	Disk space	50 GB
Database	MySQL	MySQL 5.5
Browser	Browser	Internet Explorer 7, 8, and 9
		Firefox 9 and 10
Database	Oracle	Windows Server 2008 R2 Enterprise Edition for X64 SP1 Oracle 11g Red Hat Enterprise Linux 5 U2 for X86_64 Oracle 10g SUSE Linux Enterprise Server 11 SP1 for X86_64 11g r2
	SQL Server	Windows Server 2003 Enterprise Edition SP2 x86 SQL Server 2005 Windows Server 2008 R2 Enterprise Edition for X64 SP1 SQL Server 2008
Service host compatibility	Windows	Windows Server 2008 R2 Enterprise Edition for X64
		Windows Server 2003 Enterprise Edition SP2 x86
	SUSE	SUSE Linux Enterprise Server 11 SP1 for X86_64
	Red Hat	Red Hat Enterprise Linux 5 U2 for X86_64