



Hitachi Data Instance Director (HDID) Infrastructure Requirements

Minimum Specification

Hardware	Source Node and Replication Node ⁽⁵⁾	Master Node ⁽⁵⁾	Repository Node ⁽⁵⁾⁽⁶⁾
Memory	As per operating system recommendation ⁽¹⁾	2GB or greater	16GB or greater
HDID Application Disk Space	500MB for HDID, + 16GB for cache, + 16GB for filter logs ⁽³⁾	500MB for HDID, +4GB Logs	500MB for Data Instance Director, + 16GB cache per source, + repository space ⁽²⁾
RAID	Not required	Not required	Performance-based RAID, 16GB cache per source node, repository disk space ⁽²⁾
Network Interface	Minimum 100Mb/sec	Minimum 100Mb/sec	Minimum 1,000Mb/sec
Processor	2-Core, 1GHz	4-Core, 2GHz +	4+ Core, 2GHz +
Display	1024 x 768	1024 x 768	Via master
Third-Party Software	N/A	Oracle Java, JRE ⁽⁴⁾	

(1) Minimum of 512 megabytes (MB) or 2 gigabytes (GB) for SUSE Linux.

(2) Repository configuration should plan for 16GB of hard disk space for cache per Live Source Node connection. Repository may reside on internal or SAN attached storage. It cannot reside on a network share.

(3) For host-based backups, we recommend that Linux source nodes have a logical volume manager (LVM) on each volume group that is to be backed up. A minimum of 10GB of free space is required in the “unused” portion of the LVM, which is in addition to the required space for the allocated storage area. For example, if 100GB of usable storage is required, then the total disk size will be 110GB (100GB of usable storage and 10GB of unused storage).

(4) The master and repository nodes require Java Runtime Environment (JRE), which can be downloaded from: <http://www.java.com>.

(5) If multiple node capabilities are configured on one node, then the higher specification is required.

(6) If a repository node is being used as an ISM node for hardware orchestration, then it must have a Fibre Channel connection to a command device on the storage. iSCSI command devices are not supported.

Operating System Version Support

Hitachi Data Instance Director (HDID) Components	Operating System Version ⁽⁷⁾	Configurations	HDID version
Source Node and Replication Node	As per support matrices	As per support matrices	As per support matrices
Master Node	Microsoft® Windows Server® 2008 (64-bit)	Stand-alone	4.2+
	Windows Server 2008 R2 (64-bit) Windows Server 2012 (64-bit) Windows Server 2012 R2 (64-bit)	Microsoft Failover Cluster (MSFC)	4.2+
Repository Node	Windows Server 2008 (64-bit)	Stand-alone	4.2+
	Windows Server 2008 R2 (64-bit) Windows Server 2012 (64-bit) Windows Server 2012 R2 (64-bit) ⁽⁸⁾	Microsoft Failover Cluster (MSFC)	4.2+

(7) Note: Support only where standard vendor support is available.

(8) Hosting a repository on Windows deduplicated volume is not supported