Hitachi Data Systems

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Hitachi Data Instance Director (HDID)
Support Matrix: Host-Based, Operating System or Application

Operating System and Application HDID Capability Support

The following table shows the HDID versions that support each capability.

Category		Microsoft® Windows®	Linux	IBM® AIX®	Oracle Solaris (Intel)	Oracle Solaris (Sparc)
Files (Path)[1]	Backup[2]	v4.2+	v4.2+	v5.0+[3]	v5.2+[3]	v5.2+[3]
	Versioning	v4.2+	x	x	x	x
	Real-Time Replication	v4.2+	x	x	x	x
	Batch Replication	v4.2+	v4.2+	x	x	x
	Tracking	v4.2+	x	x	x	x
	Blocking	v4.2+	x	x	x	x
	CIFS	v4.2+	v4.2+	v5.0+	v5.2+	v5.2+
	NFS	x	v4.2+	v5.0+	v5.2+	v5.2+
Bare Metal Restore		v4.2+	x	x	x	x
Client Side Restore		v4.2+	v4.2+[4]	x	x	x
Software Snapshot		V5.2+	x	x	x	x
Microsoft® Exchange Server[1]		v4.2+	N/A	N/A	N/A	N/A
Microsoft SQL Server® [1]		v4.2+				

Note: Read-only file systems are not supported.

(1) Agent required on physical host or virtual machine (VM) guest.
(2) See back-up technology support table below.
(3) ACLs or extended attributes are not protected. If they are present on data that is backed up then they will not be restored.
(4) Not supported on SUSE 11.x.

Back-up Technology Support

Category	Batch Backup				Real-Time Consistent Backup	Continuous Data Protection (CDP)
	Microsoft Windows®	Linux	IBM AIX	Oracle Solaris (Intel/Sparc)	Microsoft Windows[5]	Microsoft Windows[5]
Files (Path)	v4.2+	v4.2+	v5.0+	v5.2+	v4.2+	v4.2+
Microsoft Exchange Server	v4.2+	N/A			v4.2+	v4.2+
Microsoft SQL Server	v4.2+				v4.2+	v4.2+

(5) Real-time consistent backup and CDP are supported on Stand-alone only. They are not supported on clustered environments and not supported on Microsoft® Windows® Distributed File System

Operating System Version Support

Operating System	Operating System Version[6]	File Systems	Configurations	Hitachi Data Instance Director Version
Microsoft Windows	Windows 7 Windows 8 Windows 10[7] Windows Server® 2008 Windows Server 2008 (64-bit) Windows Server 2008 R2 (64-bit) Windows Server 2012 (64-bit) Windows Server 2012 R2 (64-bit) Windows Server 2016 (64-bit)[8]	NTFS CIFS	Stand-alone	v4.2+
Linux[9]	RHEL 6 x64 (6.7 and newer) RHEL 7 x64 (7.0 and newer) OEL 6 x64 (6.3 and newer) OEL 7 x64 (7.0 and newer) SUSE 11 x64 (11.3 and newer) SUSE 12 x64 (12.0 and newer)	EXT3 EXT4 LVM CIFS NFS	Stand-alone	v5.0+
IBM AIX	AIX v7.1 (TL3 and newer)	JFS2 CIFS NFS	Stand-alone	v5.0+
			Logical partitioning (LPAR)	v5.0+
			LPAR with Virtual I/O Server (VIOS)	v5.0+
Oracle Solaris	Solaris 11 (11.0 and newer)	ZFS CIFS NFS	Stand-alone (Intel)	v5.2+
			Stand-alone (Sparc)	v5.2+

(6) Note: Support only where standard vendor support is available.
(7) Windows 10 is only supported in HDID v5.3+.
(8) Windows 2016 is only supported in HDID v5.5+ and only with features compatible with Windows 2012.
(9) It is recommended 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).

Application Version Support

Application	Application Version[6]	Configurations	Hitachi Data Instance Director Version
Microsoft Exchange Server[5]	Exchange 2010 Exchange 2013 Exchange 2016[10]	Stand-alone	v4.2+
		DAG	v5.1+
Microsoft SQL Server[5]	SQL Server 2008 SQL Server 2012 SQL Server 2014[11] SQL Server 2016[12]	Stand-alone	v4.2+
		Active-Passive Failover Cluster	v5.2+
		AlwaysOn Availability Groups (AAG)	v5.5+

(6) Note: Support only where standard vendor support is available.
(10) Exchange 2016 is only supported in HDID v5.3+ and only with configurations compatible with Exchange 2013.
(11) SQL Server 2014 is only supported in HDID v5.3+.
(12) SQL Server 2016 is only supported in HDID v5.3+ and only with configurations compatible with SQL Server 2014.
There is a known bug with the Microsoft SQL Server 2016 distribution. A dll is missing from the 64-bit assemblies folder. The following workaround has been approved by Microsoft:
COPY: “Microsoft.SqlServer.ConnectionInfo.dll”
FROM: “Program Files (x86)\Microsoft SQL Server\ 130 \SDK\Assemblies”
TO: “Program Files\Microsoft SQL Server\ 130 \SDK\Assemblies”

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