

# Hitachi Data Instance Director (HDID)

## Support Matrix: Storage Devices

The following matrices apply to both physical servers and to virtual machines with physical raw device mapping (for VMware) or pass-through disks (for Microsoft® Hyper-V®). Application consistent protection is provided through the use of an HDID agent installed on the application server for the following applications:

- [Microsoft Exchange](#)
- [Microsoft SQL® Server](#)
- [Oracle](#)
- [SAP](#)
- [File System](#)

Crash consistent protection can be achieved without the use of an agent and can be applied to any application and OS supported by the storage device, i.e. HDID orchestrated crash consistent protection is not limited to the list above.

# Storage Device Support

Storage Device	Orchestration Technology	Configurations	Minimum Firmware <sup>(1)</sup>
<b>Hitachi Unified Storage VM</b>	Hitachi software <ul style="list-style-type: none"> <li>• Thin Image</li> <li>• ShadowImage</li> <li>• TrueCopy</li> <li>• Universal Replicator</li> </ul>	Standalone Virtualized external storage 2DC 3DC (no delta resync)	73-03-39-00/00
<b>Hitachi Virtual Storage Platform (VSP)</b>	Hitachi software <ul style="list-style-type: none"> <li>• Thin Image</li> <li>• ShadowImage</li> <li>• TrueCopy</li> <li>• Universal Replicator</li> </ul>	Standalone virtualized external storage 2DC 3DC (no delta resync)	70-06-25-00/00
<b>VSP G1000</b>	Hitachi software <ul style="list-style-type: none"> <li>• Thin Image</li> <li>• ShadowImage</li> <li>• TrueCopy</li> <li>• Universal Replicator</li> </ul>	Standalone virtualized external storage 2DC 3DC (no delta resync)	80-02-41-00/00
	Global-active device	Interop with existing	80-02-41-00/00
		Orchestrate setup	83-03-30-00
		Cross Path	CCI Version 01-41-03/03
<b>Hitachi Virtual Storage Platform midrange family: VSP Gx00</b>	Hitachi software <ul style="list-style-type: none"> <li>• Thin Image</li> <li>• ShadowImage</li> <li>• TrueCopy</li> <li>• Universal Replicator</li> </ul>	Standalone virtualized external storage 2DC 3DC (no delta resync)	83-01-22-40/00
	Global-active device	Interop with existing	83-01-22-40/00
		Orchestrate setup	83-02-00-00
		Cross Path	CCI Version 01-41-03/03
<b>Hitachi NAS Platform (HNAS) <sup>(2)</sup></b> <ul style="list-style-type: none"> <li>• HNAS 3xxx</li> <li>• HNAS 4xxx</li> </ul> <b>VSP NAS Module</b>	Directory clone file replication	Standalone 2DC 3DC	12.2.3753.12
	Filesystem clone Object Replication	Standalone 2DC 3DC	

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

(2) HNAS Multi-tenancy functionality is not supported

(3) Primary storage array must be physical array with the Secondary storage array as a Virtual Storage Machine (VSM) prior to HDID v5.5. HDID v5.5 and above supports VSM to VSM configurations

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