

Hitachi Data Instance Director (HDID)

Support Matrix: SAP

Introduction: Agent-based and Agentless protection

HDID can provide consistent protection either with or without the use of a host agent.

- Agent-based protection performs the application interaction required to provide application aware consistency.
- Agentless protection protects the application data on disk and therefore provides crash consistency. It can also call pre-execution scripts and post-execution scripts as part of a policy to enable the use of user scripts to ensure application aware consistency.

This support matrix describes the environments supported by either method of protection.

Supported Application Versions

- SAP HANA Platform 1.0 SPS 12
- SAP HANA Platform 2.0 SPS 02

Agent-Based Protection

Agent-based protection provides application consistent protection support with the following operating systems and configurations.

Operating System		File system	Support Protection Types		
			Host-Based	Storage-Based	
			Repository	Hitachi VSP family	Hitachi NAS Platform
Linux	RHEL 6 x64 (6.7 and newer)	XFS			
	RHEL 7 x64 (7.2 and newer)	EXT3	✗	✓	✗
	SUSE for SAP 11 x64 (11.3 and newer) SUSE for SAP 12 x64 (12.0 and newer)	EXT4			

Application Configurations	Host-Based Backup		Hitachi VSP family ⁽¹⁾⁽²⁾			Hitachi NAS Platform	
	Batch	Real-time/CDP	Snapshot (TI)	Live Replicate (SI / TC / UR / global-active device)	Batch Replicate (TI / SI)	Directory Clone	File Replication
Standalone	✗	✗	✓	✓	✓	✗	✗

Agentless Support

Agentless protection provides crash consistent protection for any operating system version and configuration as follows (subject to operating system and application vendor support):

Configurations	Host-Based Backup		Hitachi VSP family ⁽²⁾		Hitachi NAS Platform	
	Batch	Real-time/CDP	Snapshot (TI)	Replicate (TI / SI / TC / UR / global-active device)	Directory Clone	File Replication
"LDEV-based"	✗	✗	✓	✓	✗	✗
VMware	✓	✗	✓	✓	✗	✗

(1) In virtual environments, the volumes must be VMWare physical Raw Device Mapping (pRDM) or for Microsoft Hyper-V, N_Port ID virtualization (NPIV).

(2) A VMware proxy node must be configured on the master to support mounting to VMware virtual machines.

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