

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⁽¹⁾

- 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 ⁽¹⁾ | | Support Protection Types | | |
|---------------------------------|--|--------------------------|----------------------------|----------------------|
| | | Host- Based | Storage-Based | |
| | | Repository | Hitachi VSP Family | Hitachi NAS Platform |
| Linux | RHEL 6 x64 (6.7 and newer) RHEL 7 x64 (7.2 and newer) SUSE for SAP 11 x64 (11.3 and newer) SUSE for SAP 12 x64 (12.0 and newer) | ✘ | ✔ (EXT3, EXT4, XFS) | ✘ |

| Application Configurations | Host-Based Backup | | Hitachi VSP Family ⁽²⁾⁽³⁾ | | | 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) Note: Support only where standard vendor support is available.

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

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

Revision: August 2019

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May 2018