

Hitachi Data Instance Director (HDID) Support Matrix: Microsoft® Exchange

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

- Exchange 2010
- Exchange 2013
- Exchange 2016⁽¹⁾

Agent Based Protection













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

Operating System		Supported Protection Types		
		Host Based	Storage Based	
		Repository	Hitachi VSP Family	Hitachi NAS Platform
Microsoft Windows	Server 2008 R2 (64-bit)	 (NTFS,ReFS)	 (NTFS,ReFS)	
	Server 2012 (64-bit)			
	Server 2012 R2 (64-bit)			
	Server 2016 (64-bit) ⁽¹⁾			

Application Configurations	Host Based Backup		Hitachi VSP Family ⁽²⁾⁽⁴⁾			Hitachi NAS Platform	
	Batch	Real Time/CDP	Snapshot (TI)	Live Replicate (SI / TC / UR ⁽³⁾ / GAD)	Batch Replicate (TI / SI)	Directory Clone	File Replication
Standalone							
Database Availability Group (DAG) ⁽⁵⁾							

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):

Application Configurations	Host Based Backup		Hitachi VSP Family		Hitachi NAS Platform	
	Batch	Real Time/CDP	Snapshot (TI)	Replicate (SI / TC / UR ⁽³⁾ / GAD)	Directory Clone	File Replication
"LDEV Based"						
VMware						

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- (1) Windows 2016 is supported only with features compatible with Windows 2012
 - (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) Application consistent remote SI / TI are not supported in conjunction with UR
 - (4) A VMware proxy node must be configured on the master to support mounting to VMware Virtual machines
 - (5) Best Passive selection is not supported for Host Based Backup

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