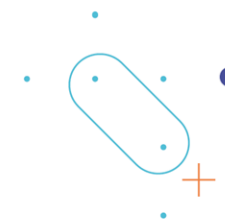


Tina Compatibility Guide for Quantum

Version 4.8

Publication Date: August 30, 2023

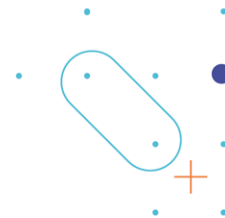


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General Information

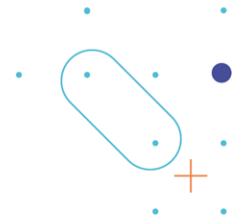
Presentation:

- New information in this document is shown in **purple**.
- End of Life components are shown in **red**. They are still supported in the current version but no longer in the next one.

Note: Tina 4.6.x Agents are fully supported with Tina Server.

Legend:

- **S**: Supported with the latest version of Tina (unless specified otherwise).
- **D**: Deprecated for future versions of Tina.
- **L**: Legacy (see last sections at the end of this guide for more details).
- **B**: Best effort.



Important Notices

Automated Library Management

See the [Hardware](#) section for drive and library support.

Support Lifecycle

End of Support (EOS) date is the last date at which Atempo delivers standard support services for the version/release of a product. EOS means the software is no longer available for download. Customers may continue to install and use the version, but Atempo no longer keeps these versions online.

Tina patches on Service Packs are maintained for three months following a new major/minor release or a service pack release. Fixes are applied to the most recent service pack and/or next version. We do not engage ourselves to provide patches to the same service pack as installed at the customer site.

End of Support implies:

- Version no longer available for download from ISP.
- No patch or service pack is provided for that version.
- Support no longer opens tickets for that version, except for legacy platforms and applications outlined in this guide.

The table below outlines essential information regarding Atempo Data Protection lifecycle policies to help you plan for future upgrades.

Tina Lifecycle

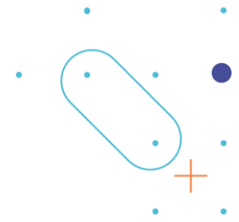
Product Name	General Availability	End of Support
Tina 4.8.1	July 2023	July 2025
Tina 4.7.1	December 2022	December 2024



Operating Systems Compatibility

The current version of Tina is still compatible with previous agents.

Family	Operating System	Architecture	WEB UI Server	License Server	Tina Server	Storage Node	Cluster	D.R. (SRA)
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HyperVision Agent For VMware

The compatibility of Tina with vSphere is dependent on the usage of VDDK. Therefore, we have to apply the same prerequisites.

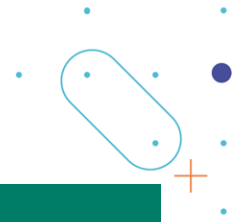
Note: Antivirus must not be installed/running on Windows OS (Dokan limitation).

Host Backup

Version	Proxy ¹	Target	Express Restart Target ²
vSphere 8.0	Red Hat Enterprise Linux (RHEL) 8.6 Red Hat Enterprise Linux (RHEL) 8.2 CentOS 7 Ubuntu 18.04 LTS Windows Server 2022 Windows Server 2019 Windows Server 2016	VLS, VTL, HSS, Tape, HVDS, Enhanced Disk Storage, S3	HVDS, Enhanced Disk Storage
vSphere 7.0.3	Red Hat Enterprise Linux (RHEL) 8.3 CentOS 8.3 CentOS 7.7 Windows 2019 Windows 2016 Windows 2012 R2	VLS, VTL, HSS, Tape, HVDS, Enhanced Disk Storage	HVDS, Enhanced Disk Storage

¹The OS listed below are officially supported by The Virtual Disk Development Kit (VDDK) and by Tina. Some OS may be listed in the Tina Legacy Support section.

²Express Restart requires target HVDS 5.3.x.



File Level Granular Restore

Guest Family	Operating Systems	File Level Granularity
Linux VM	Ubuntu 20.04 LTS Ubuntu 18.04 LTS CentOS 8.3 CentOS 7.7 Red Hat 8.3 Red Hat 8.2	S
Windows VM	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	S

Generic Virtualization Agent For OpenStack

Version	Proxy	Target
OpenStack 5.2	See Operating Systems Compatibility	VLS, VTL, HSS, Tape, S3

Important: OpenStack is only supported with Swift storage.

Generic Virtualization Agent For Nutanix AHV

Version	Proxy	Target
Nutanix AHV AOS 6.50	See Operating Systems Compatibility	VLS, VTL, HSS, Tape, S3
Nutanix AHV AOS 5.15	See Operating Systems Compatibility	VLS, VTL, HSS, Tape, S3

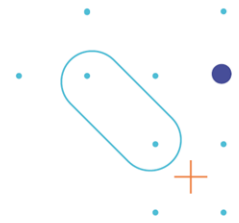
Applications

Tina For Microsoft

Tina For Microsoft 365

Includes Exchange Online, OneDrive for Business, Teams, SharePoint Online, and OneNote.

Family	Operating System (Proxy)	Architecture
Linux	As outlined in Operating Systems Compatibility	x86_64
Windows	Windows Server 2019 Windows Server 2016	x86_64



Databases

Tina For Microsoft SQL Server

Family	Operating System	Architecture	SQL Server 2016	SQL Server 2017	SQL Server 2019
Windows	Windows Server 2019	x86_64			S
	Windows Server 2016	x86_64	S	S	S

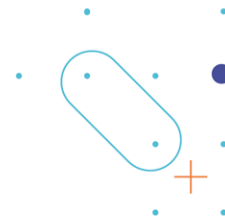
Tina For Oracle Database

Includes Partial Clone (cross-restore and recovery) - Unix only.

Family	Operating System	Architecture	Oracle 18c	Oracle 19c
Linux	CentOS 8.1	x86_64	S	S
	CentOS 7.7			
Windows	Windows Server 2019	x86_64		S
	Windows Server 2016			
Exadata (with RMAN)	Oracle Enterprise Linux 7		S	S

Tina For PostgreSQL

Family	Operating System	Architecture	PgSQL 10	PgSQL 11	PgSQL 12
Linux	CentOS 7.7	x86_64	S	S	S
Windows	Windows Server 2019	x86_64	S	S	S
	Windows Server 2016				



Tina For Enhanced Disk Storage

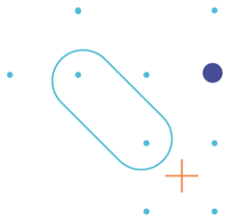
Important: It's compatible only with supported Linux Operating Systems and NFS v3 protocol.

Applications compatible with Enhanced Disk Storage

Application	Enhanced Disk Storage
Catalog	S
FileSystem	S
M365	S
MS SQL Server	S
VMware	S
Exchange	
Hyper-V	
IBM DB2	
List	
MySQL	
Nutanix	
OpenStack	
Oracle Database	
PostgreSQL	

Applications compatible with Enhanced Disk Storage

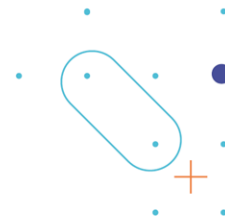
Application	Enhanced Disk Storage
SharePoint Server	
SRA	



Tina For NDMP

NAS Products

Vendor	Operating System	Architecture
Quantum	Quantum Series or Family	All DXi models



Tina Direct Backup To Cloud S3

Supported object storage destination that allows you to address these S3 servers (on-premises and public clouds):

Object storage vendor	S3	Object lock
Amazon Web Services		
DataCore Swarm		
NetApp StorageGrid		
OVHcloud		
Quantum ActiveScale		¹
Scality		
Wasabi		

Note: Following S3 storage have been tested. Data is stored in plain format on S3 storage.

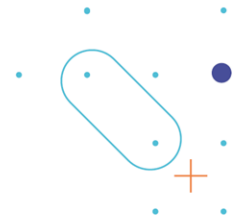
Applications compatible with Direct Backup to Cloud

Application	S3 Target
FileSystem	
M365	
MS SQL Server	
MySQL	

¹Only compliance mode is supported.

Applications compatible with Direct Backup to Cloud

Application	S3 Target
Nutanix	S
OpenStack	S
Oracle Database	S
PostgreSQL	S
VMware	S
Catalog	
Exchange	
Hyper-V	
IBM DB2	
List	
SharePoint Server	
SRA	



Hardware

Automated Library Management

Drive Support

This guide shows library and drive support with Tina 4.8 (unless specified otherwise).

Important: The information below is valid for drives only. The compatibility between the libraries and the operating system is displayed in the [Library Support](#) table. You need to check both the [Drive Support](#) and the [Library Support](#) tables. To ensure support of the backup hardware, the library itself and each kind of drive it uses must be supported by the operating system(s) of the server(s) it will be connected to.

Disclaimer: The information about drive support hereafter is strictly related to the hardware manufacturers. No support can be assumed for any OEM version that might exist.

Drive Support

Technology				Linux	Windows
Disk Drive	Model	Connection	Worm		
LTO Quantum	Quantum LTO-9	SAS	S	S	S
		FC	S	S	S
	Quantum LTO-8	SAS	S	S	S
		FC	S	S	S
	Quantum LTO-7	SAS	S	S	S
		FC	S	S	S
	Quantum LTO-6	FC	S	S	S
		SAS	S	B	B



Library Support

Important: The information below is valid for drives only. The compatibility between the libraries and the operating system is displayed in the [Library Support](#) table. You need to check both the [Drive Support](#) and the [Library Support](#) tables. To ensure support of the backup hardware, the library itself and each kind of drive it uses must be supported by the operating system(s) of the server(s) it will be connected to.

Disclaimer: The information about library support hereafter is strictly related to the hardware manufacturers. No support can be assumed for any OEM version that might exist.

Manufacturer	Model	Linux	Windows
Quantum	Scalar i6000, i2000, i500, i80 / i40, i6, i3, Scalar 50, 10K	S	S

Virtual Tape Library / Disk Storage Array

Manufacturer	Model	Linux	Windows
Quantum	DXi9000		
	DXi8500 2TB		
	DXi6900		
	DXi6802		
	DXi6702/6701/6700	L	L
	DXi7500/6500/5500		
	DXi4800		
	DXi4700		
	DXi3500/2500/		
	DX5000, DX3000	L	S
	DX100 / DX30	L	S