Tina Compatibility Guide for Quantum

Tina 4.7.0

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Contents

General Information

Presentation:

- New information in this document is shown in blue.
- 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

Co-residence with other Atempo products

It is generally safe to install components from other Atempo products on the same host as Tina, provided the host has sufficient processor, memory, storage, and network resources to support the combined load and the product versions are at least as current as the following:

> **Note**: Running multiple product components on the same host is not recommended in production environments. Like any business-critical application, Atempo products will perform best when run on dedicated hosts. Furthermore, troubleshooting issues with co-resident applications can be extremely complex, which may result in reduced service level. This section refers only to co-residence and not to interoperability with other Atempo products.

Automated Library Management

Please consult the Atempo - Hardware Compatibility Guide for library & drive support.

Support Lifecycle

End of Support (EOS) date is the last date on which Atempo will deliver standard support services for that 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 will no longer keep these versions online. Tina patches on Service Packs will be maintained for 3 months following new major/minor release or service pack release. Fixes will be 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 will be provided for that version.
- Support will no longer open tickets for that version, except for legacy platforms and applications outlined in this guide.

Superseded implies support will still open tickets, but fixes/patches will only be provided on the latest version.

Extended support implies Atempo may in exceptional circumstances agree to extend support for products that have officially been marked End of Support.

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

Tina Lifecycle

Product Name	General Availability	End of Support
Tina 4.7.0	June 2022	June 2024

Operating Systems Compatibility

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

See the Tina Legacy Support section for OS not listed in this table.

Family	Operating System	Architecture	WEB UI Server	License Server	Tina Server	Storage Node	Cluster	D.R. (SRA)
	CentOS 7.7	x86_64	S	S	S	S		
	Rocky Linux 8.5	x86_64	S	S	S	S		

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 7.0.3	Red Hat Enterprise Linux (RHEL) 8.3	VLS, VTL, HSS, Tape, HVDS, XDCS	HVDS, XDCS
	CentOS 7.7		
	CentOS 8.3		
	Windows 2012 R2		
	Windows 2016		
	Windows 2019		

[1]The 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.
[2]Express Restart requires target HVDS 5.3.x.

Version	Proxy[1]	Target	Express Restart Target[2]
vSphere 6.7.2	Red Hat 7.2 Red Hat 7.3 CentOS 7.4 Windows 2012 R2 Windows 2016	VLS, VTL, HSS, Tape, HVDS	HVDS
vSphere 6.7.1	Red Hat 7.2 Red Hat 7.3 Windows 2012 R2 Windows 2016	VLS, VTL, HSS, Tape, HVDS	HVDS

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 LTS 18	S
	Ubuntu 20	
	CentOS 7.7	
	CentOS 8.3	
	Red Hat 8.2	
	Red Hat 8.3	
Windows VM	Windows Server 2012 R2	S
	Windows Server 2016	
	Windows Server 2019	

Generic Virtualization Agent for OpenStack

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

Generic Virtualization Agent for Nutanix AHV

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

Databases & Applications

Enhaced disk storage (XDCS) target not yet enabled for the following applications and databases.

Tina for Microsoft

Tina for Microsoft 365

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

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

Tina for Microsoft SQL Server

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

Tina for Oracle

Tina for Oracle Database

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

Family	Operating System	Architecture	Oracle 18c	Oracle 19c
Linux	CentOS 7.7	x86_64	S	S
	CentOS 8.1			
Windows	Windows Server 2016	x86_64		S
	Windows Server 2019			
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 2016	x86_64	S	S	S
	Windows Server 2019				

Tina for Enhanced Disk Storage

Applications compatible with Enhanced Disk Storage

Application	S3 Target
Catalog	
Exchange	
FileSystem	S
Hyper-V	
IBM DB2	
List	
M365	
MS SQL Server	
MySQL	
Nutanix	
OpenStack	
Oracle Database	
PostgreSQL	

Applications compatible with Enhanced Disk Storage

Application	S3 Target
SharePoint Server	
SRA	
VMware	S

Tina for NDMP

NAS Products

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

Hardware

Automated Library Management

Drive Support

This guide shows library and drive support with Tina 4.7.0 (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 Disk Drive	Model	Connection	Worm	Linux	Windows
LTO Quantum	Quantum LTO-6	FC	S	S	S
		SAS	S	B	B
	Quantum LTO-7	SAS	S	S	S
		FC	S	S	S
	Quantum LTO-8	SAS	S	S	S
		FC	S	S	S
	Quantum LTO-9	SAS	S	S	S
		FC	S	S	S

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.

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

Virtual Tape Library / Disk Storage Array

Manufacturer	Model	Linux	Windows
Quantum	DX30 / DX100	L	S
	DX3000, DX5000	L	S
	DXi4700	L	L
	DXi2500/3500/		
	DXi4800		
	DXi5500/6500/7500		
	DXi6700/6701/6702		
	DXi6802		
	DXi6900		
	DXi8500 2TB		
	DXi9000		

Legacy NAS Products

Vendor	Operating System	Architecture
BlueArc	BlueArc OS 5.x, 6.x, 7.0, 8.1, 8.2	BlueArc Titan, BlueArc Mercury
DELL EMC	Unity 4.4+	Unity
EMC	DART 5.4, 5.5, 5.6	Celerra
Hitachi Data Systems	NAS OS 5.x, 6.x, 7.0, 8.x, 10.x, 11.x	Hitachi NAS and High-Performance NAS
	HCA 2.x	Hitachi Content Archive Architecture
Isilon (PowerScale)	OneFS 7.0, 7.2, 8.x	IQ, Accelerator
NetApp	Data ONTAP 9.0 > 9.7 (Node-Scoped NDMP Mode / CAB)	NetApp Filer
Nexenta	NexentaStor	
Onstor	EverON 3.3.2.7	Bobcat
Overland	GuardianOS 7.2.0.29	SnapServer DX-series
Panasas	PanFS 4.1	ActiveStor 14
Pillar Data Systems	2.7	Axiom 500
SGI	SGI InfiniteStorage Appliance Manager 4	Nexis

Vendor	Operating System	Architecture
Sun	4.22	StorageTek 5320
	Solaris 5.11	Sun Storage 7000 Series, Sun StorEdge