

# Compatibility Guide

Tina 2021

**Atempo Paris Headquarters** | 23 Avenue Carnot, 91300 MASSY | Tél: +33 164 868 300 | [info@atempo.com](mailto:info@atempo.com)

N°1 EUROPEAN SOFTWARE VENDOR FOR DATA PROTECTION

[ATEMPO.COM](https://www.atempo.com)

## Details of this document

<b>Title</b>	Tina 2021
<b>Type</b>	Compatibility Guide
<b>Date</b>	30/04/2021
<b>Author</b>	Renaud Bonnevie
<b>Classification</b>	Public
<b>Status</b>	Released

## Version

30/04/2021

Release Tina 2021

# Table of contents

<b>General Information.....</b>	<b>4</b>
<b>Important Notices .....</b>	<b>4</b>
<b>Time Navigator Operating System compatibility.....</b>	<b>7</b>
<b>HyperVision Agent for VMware .....</b>	<b>9</b>
<b>HyperVision Agent for Hyper-V .....</b>	<b>12</b>
<b>Time Navigator – Agent for Citrix XenServer.....</b>	<b>13</b>
<b>HyperVision Agent for Openstack .....</b>	<b>13</b>
<b>Database and Application .....</b>	<b>14</b>
<b>Time Navigator for NDMP .....</b>	<b>22</b>
<b>Time Navigator SnapBackup .....</b>	<b>23</b>
<b>Time Navigator Disk File Management (DFM) &amp; Offsite Cartridge Management (OCM) .....</b>	<b>24</b>
<b>Time Navigator Legacy Support.....</b>	<b>26</b>

## 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:

Time Navigator 4.6.x Agents are fully supported with Tina 2020 Server.

“●” Indicates certified with the latest version of Tina (unless specified otherwise).

“●” Indicates this operating system and/or application will be deprecated for future versions of Time Navigator. See our “Legacy” section at the end of the Compatibility Guide for more details.

“○” Supported - known to work but has not been fully tested.

“□” Available on demand

## Important Notices

### 1.1. Co-residence with other Atempo products

It is generally safe to install components from other Atempo products on the same host as Time Navigator, 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.

## 1.2. Automated Library Management

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

## 1.3. 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.

Time Navigator 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 the Compatibility Guide.

“Superseded” implies support will still open tickets, but fixes/patches will only be provided on the latest version.

### **Extended support**

In some circumstances customers may require support for products that have officially been marked “end of support”. Atempo may in exceptional circumstances agree to extend support.

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

## TIME NAVIGATOR

Product Name	General Availability	End of Support
<b>Tina 2021</b>	<b>June 2021</b>	<b>June 2023</b>
<b>Tina 2020</b>	<b>October 2020</b>	<b>April 2022</b>
<b>ATN 4.6.6</b>	<b>May 2020</b>	<i>Superseded by ATN 4.6.5</i>
ATN 4.6.5	December 2019	<i>Superseded by ATN 4.6.4</i>
ATN 4.6.4	July 2019	<i>Superseded by ATN 4.6.3</i>
ATN 4.6.3	April 2019	<i>Superseded by ATN 4.6.2</i>
ATN 4.6.2	September 2018	<i>Superseded by ATN 4.6.1</i>
ATN 4.6.1	May 2018	
ATN 4.6.0	October 2017	
<b>ATN 4.5.2</b>	May 2017	May 2019
ATN 4.5.1	October 2016	<i>Superseded by ATN 4.5.2</i>
ATN 4.5.0	June 2016	<i>Superseded by ATN 4.5.1</i>
ATN 4.4.x	September 2014	December 2017

## Time Navigator Operating System compatibility

	Operating System	Platform	Web UI Server <sup>1</sup>	License Server	Server	Storage Node	Agent	Cluster	Disaster Recovery (SRA)
Time Navigator for AIX	AIX 7.1, 7.2	PPC / 64 bit	Refer to legacy section						
Time Navigator for HP-UX	HP-UX 11i v3	ia64 / 64 bit	Refer to legacy section						
Time Navigator Agent for FreeBSD	FreeBSD 11	x64 / 64 bit	Refer to legacy section						
Time Navigator for Linux <sup>2</sup>	Red Hat 7.3, 7.4, 7.5, 7.6, 7.7 Red Hat 8.0, 8.1, 8.2	x64 / 64 bit	●	●	●	●	●	●	
	SUSE Linux Enterprise Server 12 SPx	x64 / 64 bit	●	●	●	●	●	●	
	SUSE Linux Enterprise Server 15 SPx	x64 / 64 bit					●		
	SUSE Linux Enterprise Server 12 Red Hat 7.6, 8.0 Ubuntu 18.04	Power 8, 9 <sup>3</sup> (PPC)				□	□		
	Red Hat 7.5	PPC64le					●		
	Debian 8, 9.0, 9.1 Debian 10	x64 / 64 bit	● ○		● ○	● ○	● ○		
	openSUSE 15	x64 / 64 bit	○		○	○	○		
	Ubuntu LTS 16 Ubuntu LTS 18	x64 / 64 bit	● ○		● ○	● ○	● ○		
	CentOS 7.3, 7.4, 7.5 CentOS 7.6, 7.7, 8.0, 8.1	x64 / 64 bit	●	●	●	●	●		
	CentOS 7.7	ARMv8 / 64 bit			●	●	●		
	Time Navigator for Solaris	Solaris 10.x, 11.x	Sparc / 64 bit	Refer to legacy section					
Solaris 10.x, 11.x		x64 / 64 bit				4.6.4	4.6.4	4.6.4	

<sup>1</sup> Supported browsers – minimum version indicated: Internet Explorer 11, Firefox 4.0, Safari 5.0, Opera 11, Google Chrome 8. Minimum Flash Player 10.4 (11 recommended)

<sup>2</sup> Kernel 2.6 glibc 2.5 minimum required for Server and Storage Node. We do not guarantee all Linux distributions are supported (only those explicitly listed are tested).

<sup>3</sup> Consult [IBM](#) supported Linux distributions for precise version information.

	<i>Operating System</i>	<i>Platform</i>	<i>Web UI Server<sup>4</sup></i>	<i>Licence Server</i>	<i>Server</i>	<i>Storage Node</i>	<i>Agent</i>	<i>Cluster</i>	<i>Disaster Recovery (SRA)</i>
Time Navigator for Windows	Windows 8, Windows 10	x64 / 64 bit				•		•	•
	Windows 2016 Core Windows Server 2016 Windows Server 2019	x64 / 64 bit	•	•	•	•	•	•	•

<sup>4</sup> Supported browsers – minimum version indicated: Internet Explorer 11, Firefox 4.0, Safari 5.0, Opera 11, Google Chrome 8. Minimum Flash Player 10.4 (11 recommended)



## HyperVision Agent for VMware<sup>5</sup>

	Version	Proxy	Target	Express Restart Target <sup>6</sup>
<b>HyperVision Agent for VMware</b>	vSphere 7.0	Red Hat 7.7, 8.0 CentOS 7.7 Windows 2016 Windows 2019	VLS/VTL/HSS/Tape External Filesystem (XDF) * Deduplication Storage (HVDS)	Deduplication Storage (HVDS)
	vSphere 6.7.2	Red Hat 7.2, 7.3 CentOS 7.4 Windows 2016		
	vSphere 6.7.1	Red Hat 7.2, 7.3 Windows 2016		
	vSphere 6.5.2	Red Hat 7.2, 7.3 Windows 10 Windows 2016		
	vSphere 6.5.1	Red Hat 6.7, 6.8, 7.2, 7.3 SUSE 11 SP4, 12 SP1 Windows 10 Windows 2016		

<sup>5</sup> Antivirus must not be installed/running on Windows OS (Dokan limitation)

<sup>6</sup> Express Restart requires Red Hat 7.2 or 7.3 proxy with target HVDS 5.1 or higher

\* Granular restore is not supported on Windows. The XDF storage is deprecated and should not be deployed on new installations.

---

	vSphere 6.5.0	Red Hat 6.7, 6.8, 7.2 SUSE 11 SP4, 12 SP1		
--	---------------	--	--	--

## 1.4. HyperVision Agent for VMware <sup>7</sup>

Guest Operating System	Operating Systems	File Level Granularity
Windows VM	Windows 7, 8, 10, XP, Vista Windows 2003, 2003 R2, Windows 2008, 2008 R2, Windows 2012, R2, Windows 2016, Windows 2019	Yes
Linux VM	Red Hat 7.x, 8.x Cent OS 7.x, 8.x, SUSE 15	Yes

## 1.5. HSS & HVDS Compatibility with Time Navigator

	ATN 4.6.5	ATN 4.6.6	Tina 2020	Tina 2021
HyperVision Agent for VMware	>HVDS 5.1.7	>HVDS 5.1.7	>HVDS 5.1.7	>HVDS 5.1.7
HyperVision Agent for Hyper-V	>HVDS 5.1.7	>HVDS 5.1.7	>HVDS 5.1.7	>HVDS 5.1.7

## 1.6. Hyperconverged Solutions

HyperVision Agent for VMware	Nutanix for VMware
------------------------------	--------------------

<sup>7</sup> Express Restart requires Red Hat 7.2 or 7.3 proxy with target HVDS 5.1 or higher

## HyperVision Agent for Hyper-V <sup>8</sup>

### 1.7. Host Backup

	<i>Host Machine</i>	<i>Backup Targets</i>	<i>Comments</i>
Guest VM Windows	<a href="#">Consult Microsoft for full details of supported versions (this is subject to change)</a>	VLS/VTL/HSS Tape HVDS External Filesystem (XDF)	Recommended >HVDS 5.1.7
Guest VM Linux	<a href="#">Consult Microsoft for full details of supported versions (this is subject to change)</a>	VLS/VTL/HSS Tape HVDS External Filesystem (XDF)	

### 1.8. File Level Granular Restore <sup>9 10</sup>

	<i>Host Machine</i>	<i>Backup Targets</i>
Guest VM Windows	Windows Server 2019 Windows Server 2016	VLS/VTL/HSS Tape HVDS

### 1.9. HVDS Compatibility with Time Navigator

	<b>ATN 4.6.4</b>	<b>ATN 4.6.5/4.6.6</b>
HyperVision Agent for Hyper-V	>HVDS 5.1.7	>HVDS 5.1.7

<sup>8</sup> ATN does not support backup of virtual machines which are hosted on SMB/CIFS shares.

<sup>9</sup> Fine Granular Restore is not supported for Linux VM's.

<sup>10</sup> Fine Granular Restore is not supported on External Filesystem (XDF) target.

## Time Navigator – Agent for Citrix XenServer

	Platform	Windows 2012
Time Navigator Agent for Citrix XenServer 7 <sup>11</sup>	x64 / 64 bit	●

## HyperVision Agent for Openstack

	Version	Proxy	Target	Express Restart Target <sup>12</sup>
<b>Generic Virtualization Agent for Openstack</b>	Openstack 5.2	Red Hat 8.0 CentOS 7.7 Windows 2019	VLS/VTL/HSS/Tape External Filesystem (XDF) * Deduplication Storage (HVDS)	Deduplication Storage (HVDS)

<sup>11</sup> Refer to Citrix for supported guest OS.

<sup>12</sup> Express Restart requires Red Hat 7.2 or 7.3 proxy with target HVDS 5.1 or higher

## Database and Application

### 1.10. Time Navigator for Oracle <sup>13</sup>

	Operating System	Platform	Oracle Release (GUI & RMAN)	
			Oracle 18c	Oracle 19c
Time Navigator for Oracle on AIX	AIX 7.1, 7.2	PPC / 64 bit		
Time Navigator for Oracle on HP-UX	HP-UX 11i v3	ia64 / 64 bit		
Time Navigator for Oracle on Linux	Linux as outlined in Operating Systems <sup>14</sup>	x64 / 64 bit	●	●
Time Navigator for Oracle on Solaris	Solaris 10.x, 11.x	Sparc / 64 bit		
	Solaris 10.x, 11.x	x64 / 64 bit		
Time Navigator for Oracle on Windows	Windows 2012, R2, Windows 2016	x64 / 64 bit		
		x64 / 64 bit		
Time Navigator for Oracle on Exadata with RMAN	Oracle Linux 7		●	●

<sup>13</sup> Includes Partial Clone (cross restore and recovery) – Unix only

<sup>14</sup> kernel 2.6 or above glibc 2.3 or above

## 1.11. Time Navigator for DB2

	Operating System	Platform	DB2 WE, EE Release GUI & Command Mode	
			10.5	11
Time Navigator for DB2 on AIX	AIX 7.1	PPC / 64 bit	<input type="checkbox"/>	
	AIX 7.2	PPC / 64 bit	<input type="checkbox"/>	<input type="checkbox"/>
Time Navigator for DB2 on Linux	Linux as outlined in Operating Systems <sup>15</sup>	x64 / 64 bit	●	●
Time Navigator for DB2 on Windows	Windows 2016	x64 / 64 bit	●	●

## 1.12. Time Navigator for MySQL

	Operating System	Platform	Versions		
			5.7	6	MariaDB 10.3
Time Navigator for MySQL	Windows Server 2016	x64 / 64 bit	●	●	●
	Red Hat 5.x, 6.x, 7.x	x64 / 64 bit	●	●	●
	SuSE 11 SP4				
	Solaris 10.x, 11.x	SPARC 64 bit			

<sup>15</sup> kernel 2.6 or above glibc 2.3 or above

### 1.13. Time Navigator for PostgreSQL

	Operating System	Platform	PostgreSQL version		
			10	11.2	12.2
Time Navigator for PostgreSQL	Windows Server 2019	x64 / 64 bit	●	●	●
	Windows Server 2016	x64 / 64 bit	●	●	●
	Red Hat 7.x	x64 / 64 bit	●	●	●

### 1.14. Time Navigator for IBM Domino

	Operating System	Platform	IBM Domino Release	
			8.5.x	9.x
Time Navigator for IBM Domino	Windows 2012	x64 / 64 bit	●	●
	Windows 2012, R2	x64 / 64 bit		●
	Red Hat Linux 7.4	x64 / 64 bit		●



## 1.15. Agent for Office 365 email & OneDrive

	<i>Proxy Operating System</i>	<i>Platform</i>
Time Navigator Office 365 on Windows	Windows Server 2019	x64
	Windows Server 2016	x64
Time Navigator Office 365 on Linux	Red Hat Linux 7.x, Cent OS 7.x	x64

### 1.16. HyperVision Agent for Microsoft Exchange <sup>16 17</sup>

	Operating System	Platform	Exchange Release	
			Exchange 2016	Exchange 2019
Time Navigator for Exchange	Windows 2019 Windows 2016	x64 / 64 bit	•	•

### 1.17. Time Navigator for Microsoft Exchange (classic agent)

	Operating System	Platform	Exchange Release			
			Exchange 2010	Exchange 2013	Exchange 2016	Exchange 2019
Time Navigator for Exchange	Windows 2019	X64 / 64 bit				•
	Windows 2016					
	Windows 2012, R2	x64 / 64 bit	ATN 4.6.0	•	•	
	Windows 2016					
Windows 2008, R2	x64 / 64 bit	Refer to legacy section	•	•		

<sup>16</sup> ATN Advanced Indexing Database not supported

<sup>17</sup> Does not support brick level restore (email, note, calendar etc). Use ATN Exchange Agent (classic agent) for this functionality.

### 1.18. Time Navigator for Microsoft SharePoint Server

	<i>Operating System</i>	<i>Platform</i>	<i>SharePoint Server</i> <b>2013</b>	<i>SharePoint Server</i> 2016	<i>SharePoint Server</i> 2019
Time Navigator for SharePoint Server	Windows 2019	x64 / 64 bit			●
	Windows 2016	x64 / 64 bit		●	●
	<b>Windows 2012, R2</b>	x64 / 64 bit	●		

### 1.19. Time Navigator for Microsoft SQL Server

	<i>Operating System</i>	<i>Platform</i>	<i>SQL Server Release</i>			
			<i>SQL Server</i> <b>2014</b>	<i>SQL Server 2016</i> <i>SQL Server</i> <i>Express</i>	<i>SQL Server 2017</i> <i>SQL Server</i> <i>Express</i>	<i>SQL Server</i> 2019
Time Navigator for SQL Server	Windows 2019	x64 / 64 bit				●
	Windows 2016	x64 / 64 bit		●	●	●
	<b>Windows 2012, R2</b>	x64 / 64 bit	●	●		

## 1.20. Time Navigator for SAP ERP (ECC) on Oracle (using BACKINT)

	<i>Operating System</i>	<i>Platform</i>	<i>SAP ERP</i> 6.x
Time Navigator for SAP on AIX	AIX 7.1	PPC / 64 bit	Refer to legacy section
Time Navigator for SAP on HP-UX	HP-UX 11i v3	ia64 / 64 bit	Refer to legacy section
Time Navigator for SAP on Linux	Red Hat 7.1	x64 / 64 bit	●
Time Navigator for SAP on Solaris	Solaris 10.x, 11.x	x64 / 64 bit	4.6.2
	Solaris 10.x, 11.x	SPARC / 64 bit	Refer to legacy section
Time Navigator for SAP on Windows	Windows 2012, R2	x64 / 64 bit	●

## 1.21. Time Navigator for SAP HANA (using BACKINT)

	<i>Operating System</i>	<i>Platform</i>
Time Navigator for SAP HANA 1.0	SuSE Linux 11.x, SuSE Linux 12.x Red Hat Enterprise Linux 6.x, 7.x	X64

## 1.22.

## 1.23. Time Navigator for MaxDB (using BACKINT)

	<i>Operating System</i>	<i>Platform</i>	<i>Release</i>
			7.9
Time Navigator for Max DB on Windows	Windows Server 2012, R2	x64 / 64 bit	●
Time Navigator for MaxDB on Linux	Red Hat 7.x, SuSE 10x, 11.x 12.x	x64 / 64 bit	●
Time Navigator for MaxDB on Solaris	Solaris 10.x, 11.x	SPARC x64	Refer to legacy section

## 1.24. HyperStream Server<sup>18</sup>

- Time Navigator 4.6.x Agents are fully supported with HyperStream Server (unless specified otherwise).

Note: The catalog application should be excluded from deduplicated backups.

<b>Server</b>	<b>Operating System</b>	<b>Platform</b>
Time Navigator HyperStream for Linux	Red Hat Linux 7.x, 8.0, 8.1 Cent OS 7.x, 8.0, 8.1	x64 kernel 2.6.32 <sup>19</sup>
Time Navigator HyperStream for Windows	Windows Server 2012, R2 Windows Server 2016 Windows Server 2019	x64 x64 x64

## Time Navigator for NDMP

	<b>Operating System</b>	<b>Platform</b>	<b>NDMP Tape Server</b>	<b>NDMP Data Server</b>	<b>NDMP Agent</b>
Time Navigator for NDMP on AIX	AIX 7.1, 7.2	PPC / 64 bit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Navigator for NDMP on iSeries	OS/400 V7.2, V7.3		Refer to legacy section		
Time Navigator for NDMP on HP-UX	HP-UX 11i v3	ia64 / 64 bit	Refer to legacy section		
Time Navigator for NDMP on Solaris	Solaris 10.x, 11.x	Sparc / 64 bit	Refer to legacy section		
	Solaris 10.x, 11.x	x64 / 64 bit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Time Navigator for NDMP for Linux	Linux as outlined in Operating Systems <sup>20</sup>	x64 / 64 bit	●	●	●
Time Navigator for NDMP on Windows	Windows 2012, R2, 2016, 2019	x64 / 64 bit	●	●	●

<sup>18</sup> Mounted volumes (CIFS or NFS) are not supported for storing the block repository.

<sup>19</sup> HyperStream Server requires glibc 2.12 & kernel 2.6.32 and higher (including 3.x).

<sup>20</sup> kernel 2.6 or above glibc 2.3 or above

## NAS Product

	Operating System	Platform
Dell	Compellent/Fluid FS	Compellent, EqualLogic, NX
EMC	DART 6.0, VNX	Celerra
Dell EMC	Unity 4.4	Unity
Hitachi Data Systems	NAS OS 12.x	Hitachi NAS and High-Performance NAS
	HCA 2.x	Hitachi Content Archive Platform
Isilon	OneFS 8.0, 8.1	IQ, Accelerator
NetApp	Data ONTAP 9.2 node-scoped NDMP mode / CAB 9.3 node-scoped NDMP mode / CAB 9.5 node-scoped NDMP mode / CAB 9.6 node-scoped NDMP mode / CAB 9.7 node-scoped NDMP mode / CAB (MetroCluster not tested) <sup>21</sup>	NetApp Filer
Quantum	Quantum Series or Family	DXi2500-D, DXi4510, DXi4520, DXi4601 DXi6510, DXi6520, DXi6530, DXi6540, DXi6550 DXi6700, DXi6701, DXi6702, DXi7500 Enterprise, DXi7500 Express, DXi7500-N, DXi8500, DXi8500 2TB DXi V1000

## Time Navigator SnapBackup

Snapshot Technology	Available for	Remark
Huawei OceanStor	Time Navigator Agent for Windows 2019 & Linux	OceanStor V5 series
Microsoft VSS	Time Navigator Agent for Windows 2012, Windows 2016, Windows 2019	x64
	Time Navigator for Microsoft Exchange 2010, 2016, 2019	MS Exchange 2010, 2016, 2019
	Time Navigator for Oracle 11.x, 12.x, 18c, 19c	Not available with RMAN mode
NetApp Snapshot	Time Navigator Agent for NDMP	For NetApp Filer only
	Time Navigator for Oracle 11.x	For NetApp Filer only

<sup>21</sup> Supported (known to work)

## Time Navigator Direct Backup to Cloud S3

Supported object storage destination that allows you to address generic S3 servers

S3 Technology	Remark
Amazon	Following S3 storage has been tested Data is stored in plain format on S3 storage
Scaleway	
NetApp	
Wasabi	

Supported backup targets compatible with Direct Backup to Cloud

Platform	File System	Oracle DB 19c	Microsoft SQL Server 2017 & 2019	IBM DB2	My SQL	Microsoft 365
CentOS 7	●	●		●	●	●
Redhat 8	●					
Windows Server 2019	●		●	●	●	●



---

## Time Navigator Disk File Management (DFM) & Offsite Cartridge Management (OCM) <sup>22</sup>

	<i>Operating System</i>	<i>Platform</i>
Time Navigator DFM for Windows 2012, R2, 2016, 2019	Server	x64
Time Navigator DFM for Linux / Unix	Server	x64

---

<sup>22</sup> ATN 4.5 and above supports DFM 2.5.8 or later. Installation through command line only (see documentation for details).

## Time Navigator Legacy Support

The following legacy tables indicate the last ATN version to support the operating system, application or database.

	Operating System	Platform	Web UI	License	Server	Storage Node	Agent	Cluster	Disaster Recovery
Time Navigator for AIX	AIX 6.1	PPC / 64 bit	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	
Time Navigator for AIX	AIX 7.1, 7.2 <sup>23</sup>	PPC / 64 bit	4.6.4	4.6.4	4.6.4	4.6.4	4.6.4	4.6.4	
Time Navigator for HP-UX	HP-UX 11i v2 HP-UX 11i v3 <sup>24</sup>	ia64 / 64 bit	4.6.0 4.6.4	4.6.0 4.6.4	4.6.0 4.6.4	4.6.4	4.6.4	4.6.0 4.6.4	
Time Navigator for Solaris	Solaris 10 Solaris 11	Sparc / 64 bit			4.6.2 4.6.4	4.6.2 4.6.4	4.6.2 4.6.4		
Time Navigator for Solaris	Solaris 10 Solaris 11	x64 / 64 bit			4.6.2 4.6.4	4.6.2 4.6.4	4.6.2 4.6.4		
Time Navigator for Linux	Red Hat 6.9, 6.10		4.6.5	4.6.5	4.6.5	4.6.5	4.6.5		
Time Navigator for Linux	Red Hat 7.x	ia64 / 64 bit	4.5.2	4.5.2	4.5.2			4.5.2	
Time Navigator for Linux	Red Hat 7.1, 7.2	X64 / 64 bit	4.6.5	4.6.5	4.6.5			4.6.5	
Time Navigator for Linux	SUSE Linux Enterprise Server 10	x64 / 64 bit	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	
Time Navigator for Linux	SUSE Linux Enterprise Server 11.4	x64 / 64 bit	4.6.5	4.6.5	4.6.5	4.6.5	4.6.5	4.6.5	
Time Navigator for Linux	OpenSUSE 13	x64 / 64 bit	4.6.5		4.6.5	4.6.5	4.6.5		
Time Navigator for Linux	CentOS 5.x	x64 / 64 bit	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	
Time Navigator for Linux	CentOS 6.x	x64 / 64 bit	4.6.5		4.6.5	4.6.5	4.6.5		
Time Navigator for Linux	Debian 5, 6, 7, openSUSE 11, 12.x	x64 / 64 bit	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	
Time Navigator for Linux	Ubuntu 8, 9, 10, 11, 12, 13, 14	x64 / 64 bit	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	4.6.0	
Time Navigator for Linux	Oracle Linux 6, 7	x64 / 64 bit	4.6.0		4.6.0	4.6.0	4.6.0		
Time Navigator for Linux	SGI ISSP 3.0 on SLES11	x64 / 64 bit			4.5.0	4.5.0	4.5.0		
Time Navigator for Linux	SGI ISSP 3.1 on RedHat Linux	x64 / 64 bit			4.5.0	4.5.0	4.5.0		
Time Navigator for Linux	SGI ISSP 3.3, SLES 11 SP3	x64 / 64 bit			4.5.0	4.5.0	4.5.0		
Time Navigator for Linux	SGI ISSP 3.5, 3.6 on SLES 11 SP3, SP4	x64 / 64 bit			4.5.0	4.5.0	4.5.0		
Time Navigator for Linux	SGI ISSP 3.4, 3.5, 3.6 on RedHat Linux	x64 / 64 bit	4.6.0		4.6.0	4.6.0	4.6.0		

<sup>23</sup> Minimum operating system level is 5100-09 (run oslevel -r to get version). AIX 7.1 & 7.2 require OS level TL3 SP1 minimum.

<sup>24</sup> HP-UX Security patch (HP-UX B.11.31 64 bits Itanium) not currently supported

	Operating System	Platform	Web UI	License	Server	Storage Node	Agent	Cluster	Disaster Recovery
Time Navigator for macOS	OS X Sierra 10.12, High Sierra 10.13	X64	4.6.4	4.6.4	4.6.4	4.6.4	4.6.4	4.6.4	
Time Navigator for OS X	OS X 10.9	X64		4.5.0	4.5.0	4.5.0	4.5.0		
Time Navigator for OS X	OS X 10.10, 10,11	X64		4.6.0	4.6.0	4.6.0	4.6.0		
Time Navigator for OS X	OS X 10.12, 10.13	X64	4.6.2	4.6.2	4.6.2	4.6.2	4.6.2		
Time Navigator for Windows	Windows 7	x64 / 64 bit					4.6.5		4.6.5
Time Navigator for FreeBSD	FreeBSD 9.x	x64 / 64 bit					4.6.0		
	FreeBSD 10.1, 11						4.6.4		
Time Navigator Agent for Novell	SLES 10 OES 2	x64 / 64 bit			4.6.0	4.6.0	4.6.0	4.6.0	

Microsoft Exchange	Operating System	Platform	Exchange 2010
Time Navigator for Exchange	Windows 2008, R2	x64 / 64 bit	4.5.0

Microsoft SharePoint	Operating System	Platform	SharePoint 2010
Time Navigator for Exchange	Windows 2008	x64 / 64 bit	4.5.0

DB2	Operating System	Platform	Version		
			8.1, 8.2	9.x	10.1, 10.5
Time Navigator for DB2 on AIX	AIX 6.1	PPC / 64 bit			4.6.0
Time Navigator for DB2 on Linux	Linux	x64 / 64 bit		4.6.2	
Time Navigator for DB2 on Solaris	Solaris 10	x64 / 64 bit		4.6.2	
	Solaris 10, Solaris 11	Sparc / 64 bit		4.6.2	4.6.2

Oracle	Operating System	Platform	Oracle versions	
			10.x	11.x
Time Navigator for Oracle on AIX	AIX 7.1, 7.2	PPC / 64 bit	4.6.2	4.6.4
Time Navigator for Oracle on HP-UX	HP-UX 11i v3	ia64 / 64 bit	4.6.2	4.4.2
Time Navigator for Oracle on Linux	Linux, kernel 2.4 or 2.6, glibc 2.3	PPC / 64 bit	4.6.2	4.6.4
Time Navigator for Oracle on Solaris	Linux, kernel 2.4 or 2.6, glibc 2.3 Linux, kernel 2.4 or 2.6, glibc 2.3	ia64 / 64 bit	4.6.2	
		x64 / 64 bit	4.6.2	
Time Navigator for Oracle on Windows	Solaris 9, 10 Windows 2008	ia64 / 64 bit	4.6.2	
		Sparc / 64 bit	4.6.2	4.6.4

SAP R/3 on Oracle (Backint)	Operating System	Platform	Version	
			3.x, 4.x, 5.x	6.x
Time Navigator for R/3 on AIX	AIX 6.1, 7.1	PPC / 64 bit		4.6.0
Time Navigator for R/3 on Linux	HP-UX 11 v2, v3 Red Hat AS 4.0	ia64 / 64 bit		4.6.0
		Red Hat 6		4.6.2
Time Navigator for R/3 on Solaris	Solaris 10, 11	Sparc / 64 bit		4.6.2

MySQL	Operating System	Platform	Version		
			5.0, 5.1	5.5	5.6
Time Navigator for MySQL	Windows Server 2008	x64 / 64 bit	4.5.2	4.5.2	4.5.2
	Red Hat 5, 6 and SuSE 9, 10, 11	x64 / 64 bit	4.6.0		
	Red Hat 5, 6 and SuSE 9, 10, 11	SPARC / 64 bit	4.6.0		
	Solaris 10, 11	SPARC 64 bit		4.6.3	4.6.3

PostgreSQL	Operating System	Platform	Version
			9.1, 9.2, 9.3, 9.4.1
Time Navigator for PostgreSQL	Windows 2016	X64 / 64 bit	4.6.0

MaxDB (Backint)	Operating System	Platform	Version	
			7.6, 7.7, 7.8	7.9
Time Navigator for MaxDB on Linux	Red Hat, SuSE 9, 10, 11	x64 / 64 bit	4.6.0	
Time Navigator for MaxDB on Solaris	Solaris 10, 11 Windows Server 2008, R2, 2012, R2	SPARC x64		4.6.5
		x64 / 64 bit	4.6.0	

NDMP	Operating System	Platform	NDMP Tape Server	NDMP Data Server	NDMP Agent
Time Navigator for NDMP on AIX	AIX 6.1	PPC / 64 bit	4.6.0	4.6.0	4.6.0
Time Navigator for NDMP on HP-UX	HP-UX 11i v2, v3	ia64 / 64 bit	4.6.0	4.6.0	4.6.0
Time Navigator for NDMP on Solaris	Solaris 10,11	Sparc / 64 bit	4.6.2	4.6.2	4.6.2
Time Navigator for NDMP for Linux	SGI ISSP 3.3, 3.4	x64 / 64 bit	4.5.0	4.5.0	4.5.0
Time Navigator for NDMP for Linux	SGI ISSP 3.5, 3.6	x64 / 64 bit	4.6.0	4.6.0	4.6.0
Time Navigator for NDMP for OS X	10.10, 10.11	x64 / 64 bit	4.6.0	4.6.0	4.6.0
Time Navigator for NDMP for OS X	OS X 10.12, 10.13	x64 / 64 bit	4.6.0	4.6.0	4.6.0

Citrix	Platform	Windows 2008, R2
		Windows 2012
Time Navigator Agent for Citrix XenServer 6.0, 6.2, 6.5	X86 / 32 bit	4.6.0

VMware	Proxy	Target	Version
<b>HVA for VMware</b> Support for vSphere 6.0.x	Red Hat 6.6, 7.0 SUSE 11.3, 12 Windows Server 2008 R2 Windows Server 2012, R2	VLS/VTL/HSS/Tape External Filesystem (XDF) * Deduplication Storage (HVDS)	4.6.5
<b>HVA for VMware</b> Support for vSphere 5.5	Cent OS 6.4, Red Hat 6.x, SUSE 10.4, 11.1, 11.2 Windows Server 2008, R2 Windows Server 2012	VLS/VTL/HSS Tape HVDS	4.6.1

HyperVision Agent for FusionCompute	Proxy	ATN Version
Time Navigator Agent for FusionCompute <sup>25</sup> V100R005C10SPC700 Foundation Edition	SuSE 11 SP3 x64 / 64 bit	4.6.0

<sup>25</sup> Huawei VDDK does not support SAN backup or restore on 3<sup>rd</sup> party storage.

## NAS Product

	<i>Operating System</i>	<i>Platform</i>
BlueArc	BlueArc OS 5.x, OS 6.x, OS 7.0, OS 8.1, OS 8.2	BlueArc Titan, BlueArc Mercury
EMC	DART 5.4, 5.5, 5.6	Celerra
Dell EMC	Unity 4.4	Unity
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 Platform
Isilon	OneFS 4.7.x, 5.0, 5.5, 6.0, 6.5, 6.5.1.8, 7.0, 7.2	IQ, Accelerator
NetApp	Data ONTAP 7.2.4 & 7.3, 8.0 (7 –Mode & Cluster Mode), 8.1 (7-Mode & Cluster Mode), 8.2 (node-scoped NDMP mode, 8.3 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
Sun	4.22	StorageTek 5320
	Solaris 5.11	Sun Storage 7000 series, Sun StorEdge

## Snapshot

Engenio	Time Navigator Agent for Linux	x86 platform only
Microsoft VSS	Time Navigator for Windows 2008	X64

## DFM

Time Navigator DFM for OS X	OS X 10.9, 10.10	X64
-----------------------------	------------------	-----