

Unitrends Compatibility and Interoperability matrix for Release 10.1

INTRODUCTION

This compatibility and interoperability matrix provides information about operating systems, platforms, and applications that are supported by Unitrends.

LIMITATIONS AND POLICIES OF THIS DOCUMENT

This document is to be used for information only; it may change at any time. The information included in this document is intended as a guide in the configuration of systems for Unitrends' products. It is not intended to be the sole resource for system configurations. Unitrends' web site, other Unitrends documentation, relevant vendor documentation, Unitrends sales or support representatives, and Unitrends reseller representatives will provide more information or answers to questions not found in this document.

This version supersedes and replaces all previous versions.

DOCUMENT LEGEND

"Yes" means that this operating system version and feature is supported currently in the latest Unitrends release (release 10.1.) Other numbers are specified as the name of past or future releases in which this operating system version and feature will be supported. "(E)" means the operating system vendor has only estimated the date; an "(E)" designation under Unitrends support means that the operating system version is planned to be supported with the specified feature within 90 days of release. "Plan" means that Unitrends tentatively plans to support the specified operating system with the designated feature but has not announced a specific release date at the time this version of the roadmap was issued. And "No" or an empty space (which mean the same thing) means that there is no support and no planned support for the feature on the specified operating system version.

OPERATING SYSTEM MATRIX

OS	Version	OS Release Date	File	BareMetal		
				Cold	Hot	Dissimilar
Windows Server	NT 3.1 Server	July, 1993	Yes	Yes	No	No
Windows Server	NT 3.5 Server	September, 1994	Yes	Yes	No	No
Windows Server	NT 3.51 Server	May, 1995	Yes	Yes	No	No
Windows Server	NT 4.0 Server	July, 1996	Yes	Yes	No	No
Windows Server	NT 4.0 Server Enterprise	July, 1996	Yes	Yes	No	No
Windows Server	NT 4.0 Terminal Server	July, 1996	Yes	Yes	No	No
Windows Server	NT 4.0 Embedded	July, 1996	Yes	Yes	No	No
Windows Server						
Windows Server	2000 Server	February, 2000	Yes	Yes	Yes	No
Windows Server	2000 Advanced Server	February, 2000	Yes	Yes	Yes	No
Windows Server	2000 Datacenter Server	February, 2000	Yes	Yes	Yes	No
Windows Server						
Windows Server	2003 Standard ^{AC}	April, 2003	Yes	Yes	Yes	Yes
Windows Server	2003 Standard x64 ^A	April, 2003	Yes	Yes	Yes	No
Windows Server	2003 Enterprise ^A	April, 2003	Yes	Yes	Yes	Yes
Windows Server	2003 Enterprise x64 ^A	April, 2003	Yes	Yes	Yes	No
Windows Server	2003 Datacenter ^A	April, 2003	Yes	Yes	Yes	Yes
Windows Server	2003 Datacenter x64 ^A	April, 2003	Yes	Yes	Yes	No
Windows Server	2003 Web ^A	April, 2003	Yes	Yes	Yes	No
Windows Server	2003 Web x64 ^A	April, 2003	Yes	Yes	No	No
Windows Server	2003 Storage ^A	April, 2003	Yes	Yes	Yes	Yes
Windows Server	2003 Storage x64 ^A	April, 2003	Yes	Yes	Yes	No

Windows Server	2003 Small Business Server ^a	April, 2003	Yes	Yes	Yes	Yes
Windows Server	2003 Small Business Server x64 ^a	April, 2003	Yes	Yes	Yes	No
Windows Server	2008 Standard ^d	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Enterprise ^e	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Datacenter	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Web	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Storage	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Small Business Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Foundation	May 2009	Yes	Yes	Yes	Yes
Windows Server	2008 for Itanium-based Systems ^c	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Essential Business Server ^c	2008	Yes	Yes	Yes	Yes
Windows Server	2008 HPC Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 Storage Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Standard ^e	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Enterprise ^e	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Datacenter	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Web	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Storage	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Small Business Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Foundation	May 2009	Yes	Yes	Yes	Yes
Windows Server	2008 R2 for Itanium-based Systems ^c	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Essential Business Server ^c	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 HPC Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Storage Server	2008	Yes	Yes	Yes	Yes
Windows Server	2008 R2 Hyper-V	2008	Yes	Yes	Yes	Yes
Windows Server	Windows MultiPoint Server 2011		Yes	Yes	Yes	Yes
Windows Server	Windows Home Server 2011		Yes	Yes	Yes	Yes
Windows Server	Windows Small Business Server 2011		Yes	Yes	Yes	Yes
Windows Server	Windows MultiPoint Server 2010					
Windows Server	2012 Foundation ^c	2012	Yes	Yes	Yes	Yes
Windows Server	2012 Essentials	2013	Yes	Yes	Yes	Yes
Windows Server	2012 Standard ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 Datacenter ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 MultiPoint Server	2013	Yes	Yes	Yes	Yes
Windows Server	2012 Core	2012	Yes	Yes	Yes	Yes
Windows Server	2012 Hyper-V ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 Hyper-V Core	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Foundation ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Essentials	2013	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Standard ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Datacenter ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Core	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Hyper-V ^{cf}	2012	Yes	Yes	Yes	Yes
Windows Server	2012 R2 Hyper-V Core	2012	Yes	Yes	Yes	Yes

Windows Server	2016 Standard ^A	2016	Yes	No	Yes	Yes
Windows Server	2016 Datacenter ^A	2016	Yes	No	Yes	Yes
Windows Server	2016 Core ^A	2016	Yes	No	Yes	Yes
Windows Server	2016 Hyper-V ^{AB}	2016	Yes	No	Yes	Yes
Windows Server	2016 Hyper-V Core ^A	2016	Yes	No	Yes	Yes
Windows Client	NT 3.1 Workstation	July, 1993	Yes	Yes	No	No
Windows Client	NT 3.5 Workstation	September, 1994	Yes	Yes	No	No
Windows Client	NT 3.51 Workstation	May, 1995	Yes	Yes	No	No
Windows Client	NT 4.0 Workstation	July, 1996	Yes	Yes	No	No
Windows Client	95	August, 1995	Yes	Yes	No	No
Windows Client	95 A (OSR1)	1996	Yes	Yes	No	No
Windows Client	95 B (OSR2)	1996	Yes	Yes	No	No
Windows Client	95 B USR (OSR2.1)	1996	Yes	Yes	No	No
Windows Client	95 C (OSR2.5)	1997	Yes	Yes	No	No
Windows Client	98	June, 1998	Yes	Yes	No	No
Windows Client	98 Second Edition	May, 1999	Yes	Yes	No	No
Windows Client	ME	September, 2000	Yes	Yes	No	No
Windows Client	2000 Professional	February, 2000	Yes	Yes	Yes	No
Windows Client	XP Home ^{GB}	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Tablet PC ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Starter ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Embedded ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Home N ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Professional N ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Media Center ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Media Center 2003 ^B	December, 2003	Yes	Yes	Yes	No
Windows Client	XP Media Center 2005 ^B	October, 2004	Yes	Yes	Yes	No
Windows Client	XP Professional ^B	October, 2001	Yes	Yes	Yes	No
Windows Client	XP Professional x64 ^B	April, 2005	Yes	Yes	Yes	No
Windows Client	Fundamentals for Older PCs	July, 2006	No	No	No	No
Windows Client	Vista Home Basic ^H	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Home Basic x64	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Home Premium	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Home Premium x64	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Ultimate	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Ultimate x64	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Business	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Business x64	November, 2006	Yes	Yes	Yes	Yes

^A Windows 2016 support does not include Nano Server.

^B Shielded VMs are not supported.

Unitrends

Compatibility and Interoperability Chart

Windows Client	Vista Enterprise	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Vista Enterprise x64	November, 2006	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Home Basic SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Home Basic SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Home Premium SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Home Premium SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes

Windows Client	Windows 7 Professional SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Professional SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Enterprise SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Enterprise SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Ultimate SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Ultimate SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Thin PC SP1 x32 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 7 Thin PC SP1 x64 ^c	May, 2009	Yes	Yes	Yes	Yes
Windows Client	Windows 8 ^c	2012	Yes	Yes	Yes	Yes
Windows Client	Windows 8 Pro	2012	Yes	Yes	Yes	Yes
Windows Client	Windows 8 Enterprise	2012				
Windows Client	Windows 8.1	2013	Yes	Yes	Yes	Yes
Windows Client	Windows 8.1 Pro	2013	Yes	Yes	Yes	Yes
Windows Client	Windows 8.1 Enterprise	2013	Yes	Yes	Yes	Yes
Windows Client	Windows 10 Home ^{ci}	2015	Yes	Yes	Yes	Yes
Windows Client	Windows 10 Pro	2015	Yes	Yes	Yes	Yes
Windows Client	Windows 10 Enterprise	2015	Yes	Yes	Yes	Yes
Linux (32-Bit)	RHEL 7.0 – RHEL 7.3	2014	Yes	Yes	Yes	No
Linux (64-Bit)	RHEL 7.0 – RHEL 7.4	2014	Yes	Yes	Yes	No
Linux (32-Bit)	RHEL 6.0 – RHEL 6.6	2010	Yes	Yes	Yes	No
Linux (64-Bit)	RHEL 6.0 – RHEL 6.6	2010	Yes	Yes	Yes	No
Linux (32-Bit)	RHEL 6.6	2014	Yes	No	Yes	No
Linux (64-Bit)	RHEL 6.6	2014	Yes	No	Yes	No
Linux (32-Bit)	RHEL 5.4 – 5.11	March, 2007	Yes	Yes	Yes	No
Linux (64-Bit)	RHEL 5.4 – 5.11	March, 2007	Yes	Yes	Yes	No
Linux (32-Bit)	RHEL 5.11	2014	Yes	No	Yes	No
Linux (64-Bit)	RHEL 5.11	2014	Yes	No	Yes	No
Linux (32-Bit)	CentOS 7.0 – 7.4	2014	Yes	No	Yes	No
Linux (64-Bit)	CentOS 7.0	2014	Yes	No	Yes	No
Linux (32-Bit)	CentOS 6.0 – CentOS 6.6	April, 2009	Yes	Yes	Yes	No
Linux (64-Bit)	CentOS 6.0 – CentOS 6.6	April, 2009	Yes	Yes	Yes	No
Linux (32-Bit)	CentOS 5.0 – CentOS 5.11		Yes	Yes	Yes	No
Linux (64-Bit)	CentOS 5.0 – CentOS 5.11		Yes	Yes	Yes	No
Linux (64-Bit)	OpenSUSE 42.3		Yes	Yes	No	No
Linux (64-Bit)	SUSE 12		Yes	Yes	No	No
Linux (64-Bit)	SUSE 11 SP4		Yes	Yes	Yes	No
Linux (32-Bit)	SUSE 11 SP3		Yes	Yes	Yes	No
Linux (64-Bit)	SUSE 11 SP3		Yes	Yes	Yes	No
Linux (32-Bit)	SLES 11	June, 2008	Yes	Yes	Yes	No
Linux (64-Bit)	SLES 11	June, 2008	Yes	Yes	Yes	No
Linux (32-Bit)	SLED 11	June, 2008	Yes	Yes	Yes	No
Linux (64-Bit)	SLED 11	June, 2008	Yes	Yes	Yes	No
Linux (32-Bit)	SLES 10	May, 2008	Yes	Yes	Yes	No
Linux (64-Bit)	SLES 10	May, 2008	Yes	Yes	Yes	No

Linux (32-Bit)	SLED 10	May, 2008	Yes	Yes	Yes	No
Linux (64-Bit)	SLED 10	May, 2008	Yes	Yes	Yes	No
Linux (32-Bit)	SLES 9	November, 2004	Yes	Yes	Yes	No
Linux (64-Bit)	SLES 9	November, 2004	Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 9.04 Desktop Edition	April, 2009	Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 9.04 Server Edition	April, 2009	Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 9.04 Network Remix	April, 2009	Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 10.4 Desktop Edition	April 2010	Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 9.04 Desktop Edition	April, 2009	Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 9.04 Server Edition	April, 2009	Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 9.04 Network Remix	April, 2009	Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 10.4 Desktop Edition	April 2010	Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 11.04		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 12.04 LTS		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 13.04		Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 13.10		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 13.10		Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 14.10		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 16.10		Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 16.04		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 16.04		Yes	Yes	Yes	No
Linux (32-Bit)	Ubuntu 17.10		Yes	Yes	Yes	No
Linux (64-Bit)	Ubuntu 17.10		Yes	Yes	Yes	No
Linux (32-Bit)	Oracle Linux 7.0 – 7.4		Yes	Yes	Yes	No
Linux (64-Bit)	Oracle Linux 7.0 – 7.4		Yes	Yes	Yes	No
Linux (32-Bit)	Oracle Linux 6.4, 6.5 & 6.6		Yes	Yes	Yes	No
Linux (64-Bit)	Oracle Linux 6.4, 6.5 & 6.6		Yes	Yes	Yes	No
Linux (32-Bit)	Oracle Linux 5.10		Yes	Yes	Yes	No
Linux (64-Bit)	Oracle Linux 5.10		Yes	Yes	Yes	No
Linux (64-Bit)	Debian 9.3 - 9.10		Yes	Yes	Yes	No
Linux (32-Bit)	Debian 9.3 - 9.10		Yes	Yes	Yes	No
Linux (64-Bit)	Debian 8.0 – 8.10		Yes	Yes	Yes	No
Linux (32-Bit)	Debian 8.0 – 8.10		Yes	Yes	Yes	No
Linux (64-Bit)	Debian 7.0		Yes	Yes	Yes	No
Linux (32-Bit)	Debian 7.0		Yes	Yes	Yes	No
Linux (32-Bit)	Fedora 19		Yes	Yes	Yes	No
Linux (64-Bit)	Fedora 27		Yes	Yes	Yes	No
Netware	5.x	October, 1998	Yes	Yes	No	No
Netware	6.x	October, 2001	Yes	Yes	No	No
Netware	Netware OES	March, 2005	Yes	Yes	No	No
Netware	Linux/SUSE OES1	March, 2005	Yes	Yes	No	No
Netware	Linux/SUSE OES2	October, 2007	Yes	Yes	No	No
Netware	OES11	December, 2011	Yes	Yes	No	No
iSeries/OS400	V5R2	Unknown	Yes	No	No	No
iSeries/OS400	V5R3	Unknown	Yes	No	No	No

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Compatibility and Interoperability Chart

iSeries/OS400	V5R4	February, 2006	Yes	No	No	No
iSeries/OS400	V6R1	March, 2008	Yes	No	No	No
iSeries/OS400	V7R1	Unknown	Yes	No	No	No
iSeries/OS400	V7R2	Unknown	Yes	No	No	No
iSeries/OS400	V7R3	Unknown	Yes	No	No	No
pSeries/AIX	4.X	Unknown	Yes	No	No	No

pSeries/AIX	5.3	Unknown	Yes	No	Yes	No
pSeries/AIX	6.1	November, 2007	Yes	No	Yes	No
pSeries/AIX	6.2	Unknown	Yes	No	Yes	No
pSeries/AIX	7.1	Unknown	Yes	No	Yes	No
Solaris - SPARC	2.5	November, 1995	Yes	Yes	Yes	No
Solaris - SPARC	2.6	July, 1997	Yes	Yes	Yes	No
Solaris - SPARC	7	November, 1998	Yes	Yes	Yes	No
Solaris - SPARC	8	February, 2000	Yes	Yes	Yes	No
Solaris - SPARC	9	May, 2002	Yes	Yes	Yes	No
Solaris - SPARC	10	January, 2005	Yes	Yes	Yes	No
Solaris - SPARC	11		Yes	Yes	No	No
Solaris - Intel	10		Yes	Yes	Yes	No
Solaris - Intel	11		Yes	Yes	Yes	No
HP-UX	6.x	1989	No	No	No	No
HP-UX	7.x	1990	No	No	No	No
HP-UX	8.x	1991	No	No	No	No
HP-UX	9.x	1992 - 1995	Yes	No	No	No
HP-UX	10.x	1995 - 1997	Yes	No	No	No
HP-UX	11.x	1997 - Now	Yes	No	No	No
HP-UX	12.x	Not Yet Announced	Plan	No	No	No
MacOS	8	1997	No	No	No	No
MacOS	9	1999	No	No	No	No
MacOS	X 10.0	2001	No	No	No	No
MacOS	X 10.1	2001	No	No	No	No
MacOS	X 10.2	2002	Yes	No	No	No
MacOS	X 10.3	2003	Yes	No	No	No
MacOS	X 10.4	2005	Yes	No	No	No
MacOS	X 10.5	October, 2007	Yes	No	Yes	No
MacOS	X 10.6	August, 2009	Yes	No	Yes	No
MacOS	X 10.7	2011	Yes	No	Yes	No
MacOS	X.10.8	July, 2012	Yes	No	Yes	No
MacOS	X.10.9	2014	Yes	No	Yes	No
MacOS	X.10.10	2015	Yes	No	Yes	No
MacOS	X.10.11	2015	Yes	No	Yes	No
MacOS	X.10.12	2016	Yes	No	Yes	No
FreeBSD	3.x	1999	Yes	Yes	No	No
FreeBSD	4.x	2000	Yes	Yes	No	No
FreeBSD	5.x	2003	Yes	Yes	No	No
FreeBSD	6.x	2007	Yes	Yes	No	No
FreeBSD	7.x	February, 2008	Yes	Yes	No	No
FreeBSD	8.x	2009	No	No	No	No
FreeBSD	9.x	Unknown	No	No	No	No
Unixware	7.1.3	2003	Yes	Yes	Yes	No
Unixware	7.1.4	2004	Yes	Yes	Yes	No

Unixware	No future releases	No future releases				
SCO	OpenServer 5	Unknown	Yes	Yes	No	No
SCO	OpenServer 6	June, 2005	Yes	Yes	No	No
SGI IRIX	3.x	1988	No	No	No	No
SGI IRIX	4.x	1991	No	No	No	No
SGI IRIX	5.x	1993	No	No	No	No
SGI IRIX	6.x	1994	No	No	No	No
SGI IRIX	6.5	August, 2006	Yes	No	No	No

^AWindows Server 2003 has the following Microsoft subsequent releases: SP1, R2 and SP2. Unitrends supports SP2 and R2.
^BWindows XP has the following subsequent Microsoft releases: SP1, SP1a, SP2, SP2c, and SP3. Unitrends supports SP3, SP2c and SP1a
^CLanguage packs tested with this version include: German, French, Arabic, Korean, Dutch, Italian, and Turkish.
^DWindows 2012 only back-up native de-duplicated volumes in 'Non-Optimized' mode.
^EWindows Vista has the following subsequent Microsoft releases: SP1, SP2. Unitrends supports SP1 and SP2
^FSupports all versions of Windows 10
^{DD}Windows Server 2008 has the following Microsoft subsequent releases: SP1, and SP2. Unitrends supports SP2 for both 32 and 64-bit platforms.
^{EE}Windows Server 2008 has the following Microsoft subsequent releases: SP1, and SP2. Unitrends supports SP2 for both 32 and 64-bit platforms.
^FWindows 2012 only back-up native de-duplicated volumes in 'Non-Optimized' mode.

WINDOWS OPERATING SYSTEM NOTES

- Unitrends supports 32-bit agents installed into a 64-bit environment unless there are reasons related to performance for releasing a 64-bit agent – at this time, there are no 64-bit agents. In release 3.0.2, an installation defect was resolved that makes the installation of a 32-bit agent into a 64-bit environment as simple as the installation of a 32-bit agent into a 32-bit environment.
- Open file handling is supported on all Windows operating systems that have that capability. This means that open file handling is supported on Windows 2000, Windows XP, Windows 2003, Vista, and Windows 2008.
- Language Packs (German, French, Arabic, Korean, Dutch, Italian, and Turkish) were certified with the following operating systems: Windows 2003, Windows 2008R2 Windows 2012, Windows XP, Windows 7 and Windows 8.
- To support

LINUX OPERATING SYSTEM NOTES

The following files systems are supported for hot bare metal on Linux:

- ext2
- ext3
- ext4
- ReiserFS
- XFS
- FAT
- VFAT

Hot bare metal restores of other platforms use live CDs built from the running system and should be able to re-build whichever file-systems the client was running.

HP (WAS DEC) ALPHA TRU64 OPERATING SYSTEM NOTES

- Previous product data sheets showed Unitrends as supporting the HP (was DEC) Alpha Tru64 operating system. This has been dropped because recertification against the latest versions of the operating system has not been performed because there's been little or no demand. Unitrends may make a decision in the future to support the Alpha Tru64 operating system but only if sufficient market opportunity is demonstrated.

APPLICATION MATRIX

Application	Version	Release Date	Release	Comments
Exchange Server	4.0	1996	No	
Exchange Server	5.0	1997	No	
Exchange Server	5.5	1997	No	
Exchange Server	2000, Stand Alone	2000	Yes	

Exchange Server	2000, Clusters	2000	Yes	
Exchange Server				
Exchange Server	2003, Standard Edition	2003	Yes	
Exchange Server	2003, Enterprise Edition	2003	Yes	
Exchange Server	2003, SE, Clusters	2003	Yes	
Exchange Server	2003, EE, Clusters	2003	Yes	
Exchange Server				
Exchange Server	2007, Standard Edition	2006	Yes	
Exchange Server	2007, Enterprise Edition	2006	Yes	
Exchange Server	2007, SE, Clusters	2006	Yes	
Exchange Server	2007, EE, Clusters	2006	Yes	
Exchange Server				
Exchange Server	2010, Standard Edition	2009	Yes	
Exchange Server	2010, Enterprise Edition	2009	Yes	
Exchange Server	2010 SP1, Enterprise Edition	2010	Yes	
Exchange Server	2010 SP1 DAG	2010	Yes	
Exchange Server				
Exchange Server	2013, Standard Edition	2013	Yes	
Exchange Server	2013, Enterprise Edition	2013	Yes	
Exchange Server	2013 SP1 DAG	2013	Yes	
Exchange Server				
Exchange Server	2016, Standard Edition	2016	Yes	
Exchange Server	2016, Enterprise Edition	2016	Yes	
Exchange Server	2016 DAG	2016	Yes	
Exchange Server				
SQL Server	7.0 Enterprise Edition	1999	No	
SQL Server	7.0 Developer Edition	1999	No	
SQL Server	7.0 Standard Edition	1999	No	
SQL Server				
SQL Server	2000, Enterprise Edition	2000	Yes	
SQL Server	2000, Standard Edition	2003	Yes	
SQL Server	2000, Web	2003	Yes	
SQL Server	2000, Datacenter	2003	Yes	
SQL Server	2000, 64-Bit	2003	Yes	
SQL Server				
MSDE	1.0	1999	No	
MSDE	2000	2000	Yes	
MSDE	2000 Release A	2003	Yes	
MSDE				
SQL Server	2005, Enterprise Edition	2005	Yes	
SQL Server	2005, Standard Edition	2005	Yes	
SQL Server	2005, Datacenter	2005	Yes	
SQL Server	2005 Express Edition	2005	Yes	
SQL Server	2005, Web	2005	Yes	
SQL Server	2005, 64-Bit	2005	Yes	
SQL Server	2005, Clusters	2005	Yes	
SQL Server				
SQL Server	2008, Standard	2008	Yes	
SQL Server				

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SQL Server	2008, Enterprise	2008	Yes	
SQL Server	2008, Datacenter	2008	Yes	
SQL Server	2008, Workgroup	2008	Yes	
SQL Server	2008, Web	2008	Yes	
SQL Server	2008, Compact	2008	Yes	
SQL Server	2008, Evaluation	2008	Yes	
SQL Server	2008, Express	2008	Yes	
SQL Server	2008, Clusters	2008	Yes	
SQL Server	2008 R2, Standard	2010	Yes	
SQL Server	2008 R2, Enterprise	2010	Yes	
SQL Server	2008 R2, Datacenter	2010	Yes	
SQL Server	2008 R2, Workgroup	2010	Yes	
SQL Server	2008 R2, Web	2010	Yes	
SQL Server	2008 R2, Express	2010	Yes	
SQL Server	2008 R2, Clusters	2010	Yes	
SQL Server	2012, Standard	2012	Yes	
SQL Server	2012, Enterprise	2012	Yes	
SQL Server	2012, Business Intelligence	2012	Yes	
SQL Server	2012, Web Edition	2012	Yes	
SQL Server	2012, Developer	2012	Yes	
SQL Server	2012, Express	2012	Yes	
SQL Server	2012, Clusters	2012	Yes	
SQL Server	2012, SMB 3.0 Share s	2012	Yes	
SQL Server	2012, Availability Groups	2012	Yes	
SQL Server	2014, Standard	2014	Yes	
SQL Server	2014, Enterprise	2014	Yes	
SQL Server	2014, Business Intelligence	2014	Yes	
SQL Server	2014, Web Edition	2014	Yes	
SQL Server	2014, Developer	2014	Yes	
SQL Server	2014, Express	2014	Yes	
SQL Server	2014, Clusters	2014	Yes	
SQL Server	2014, SMB 3.0 Share s	2014	Yes	
SQL Server	2014, Availability Groups	2014	Yes	
SQL Server	2016, Standard	2016	Yes	
SQL Server	2016, Enterprise	2016	Yes	
SQL Server	2016, Business Intelligence	2016	Yes	
SQL Server	2016, Web Edition	2016	Yes	
SQL Server	2016, Developer	2016	Yes	

SQL Server	2016, Express	2016	Yes	
SQL Server	2016, Clusters	2016	Yes	
SQL Server	2016, SMB 3.0 Shares	2016	Yes	
SQL Server	2016, Availability Groups	2016	Yes	
SQL Server	2017, Standard	2017	Yes	
SQL Server	2017, Enterprise	2017	Yes	
SQL Server	2017, Business Intelligence	2017	Yes	
SQL Server	2017, Web Edition	2017	Yes	
SQL Server	2017, Developer	2017	Yes	
SQL Server	2017, Express	2017	Yes	
SQL Server	2017, Clusters	2017	Yes	
SQL Server	2017, SMB 3.0 Shares	2017	Yes	
SQL Server	2017, Availability Groups	2017	Yes	
Active Directory	Windows Server 2012	2012	Yes	
Active Directory	Windows Server 2000	2000	Yes	
Active Directory	Windows Server 2003	2003	Yes	
Active Directory	Windows Server 2008	2008	Yes	
Hyper-V	Windows 2008 R2 Hyper-V	2008	Yes	
Hyper-V	Windows 2012 Hyper-V	2012	Yes	
Hyper-V	Windows 2012 Hyper-V Core	2013	Yes	
Hyper-V	Windows 2012 R2 Hyper-V	2013	Yes	
Hyper-V	Windows 2012 R2 Hyper-V Core	2013	Yes	

Hyper-V	2016 Hyper-V ^c	2016	Yes	
Hyper-V	2016 Hyper-V Core	2016	Yes	
SharePoint	2007 Enterprise	2007	Yes	
SharePoint	2010 Foundation	2012	Yes	
SharePoint	2010 Enterprise	2013	Yes	
SharePoint	2010 Server	2012	Yes	
SharePoint	2013 Foundation	2012	Yes	
SharePoint	2013 Enterprise	2013	Yes	
SharePoint	2016 Enterprise	2016	Yes	
eDirectory	8.8.2 Netware	2007	Yes	
eDirectory	8.8.2 OES Linux	2007	Yes	
eDirectory	8.8.2 OES Netware	2007	Yes	
eDirectory	8.8.2 OES2	2007	Yes	
eDirectory	8.8.2 SUSE Linux	2007	Yes	
eDirectory	8.8.2 RHEL Linux	2007	No	
eDirectory	8.8.2 Windows 2000	2007	No	
eDirectory	8.8.2 Windows Server 2003	2007	No	
eDirectory	8.8.2 Solaris	2007	No	

^c Shielded VMs are not supported.

Unitrends

Compatibility and Interoperability Chart

eDirectory	8.8.2 AIX	2007	No	
eDirectory	8.8.2 HP-UX	2007	No	
Groupwise	6 SP1 Netware/OES Netware	2001	Yes	
Groupwise	6 SP2 Netware/OES Netware	2002	Yes	
Groupwise	6 SP3 Netware/OES Netware	2003	Yes	
Groupwise	6 SP4 Netware/OES Netware	2003	Yes	
Groupwise	7 Netware/OES Netware	2005	Yes	
Groupwise	7 SP1 Netware/OES Netware	2006	Yes	
Groupwise	7 SP2 Netware/OES Netware	2007	Yes	
Groupwise	7 SP2 OES2	2007	Plan	
Groupwise	7 SP2 Linux OES	2007	Plan	
Groupwise	7 SP2 SUSE Linux	2007	Plan	
Groupwise	7 SP2 2000 Server	2007	No	
Groupwise	7 SP2 2003 Server	2007	No	

Groupwise	8	November, 2008	Yes	
VMware	Infrastructure 3 Starter ^u	2006	Yes	ESC agent Support
VMware	Infrastructure 3 Standard ^o	2006	Yes	ESX agent support
VMware	Infrastructure 3 Enterprise ^o	2006	Yes	VCB support; ESX agent support
VMware	ESX Server 3.0.1 ^o	2007	Yes	As appropriate GOS support
VMware	ESX Server 3i ^o	2007	Yes	As appropriate GOS support
VMware	ESX Server 4	2009	Yes	As appropriate GOS support
VMware	ESX Server 4i	2009	Yes	As appropriate GOS support
VMware	ESX Server 5i	June 2010	Yes	ESX agent support
VMware	ESX Server 5i Update1	2010	Yes	ESX agent support
VMware	ESX Server 5.1	2010	Yes	ESX agent support
VMware	ESX Server 5.5	2013	Yes	ESX agent support
VMware	Consolidated Backup 1.0.3	2007	Yes	VCB support
VMware	Server 1.0	2007	Yes	As appropriate HOS-/GOS support
VMware	GSX Server 3.2.1	2005	Yes	As appropriate HOS-/GOS support
VMware	Workstation 6.0	2007	Yes	As appropriate HOS-/GOS support
VMware	Workstation 8.0.3			
VMware	Fusion (Mac) 1.0	2007	Yes	As appropriate HOS-/GOS support
VMware	Player 2.0	2007	Yes	As appropriate GOS support
VMware	Player 4.0.2			
VMware	Infrastructure 3.5 Foundation ^o	December, 2007	Yes	
VMware	Infrastructure 3.5 Standard ^o	December, 2007	Yes	
VMware	Infrastructure 3.5 Enterprise ^o	December, 2007	Yes	
VMware	ESX 3.5 ^o	December, 2007	Yes	As appropriate GOS support
VMware	ESXi 3.5 (GOS)	December, 2007	No	As appropriate GOS support
VMware	ESXi 3.5 (HOS)	December, 2007	No	As appropriate GOS support
VMware	ESXi 4.0	April, 2009	Yes	As appropriate GOS support
VMware	ESXi 5.0.5.1,5.5	April, 2009	Yes	
VMware	ESXi 6.0	April, 2015	Yes	
VMware	ESXi 6.5	2016	Yes	
VMware				
VMware	vSphere Essentials	Q2-2009	Yes	
VMware	vSphere Essentials Plus	Q2-2009	Yes	
VMware	vSphere vCenter Server	Q2-2009	Yes	
VMware	vSphere Standard	Q2-2009	Yes	
VMware	vSphere Advanced	Q2-2009	Yes	
VMware	vSphere Enterprise	Q2-2009	Yes	
VMware	vSphere Enterprise Plus	Q2-2009	Yes	
VMware	vSphere vCenter 4.0	Q2-2009	Yes	As appropriate GOS support
VMware	vSphere vCenter 5.0		Yes	
VMware	vSphere vCenter 5.1		Yes	
VMware	vSphere vCenter 5.5		Yes	
VMware	vSphere vCenter 6.0	2015	Yes	
VMware	vSphere vCenter 6.5	2016	Yes	
VMware	vSphere Essentials	2009	Yes	
VMware	vSphere Essentials Plus	2009	Yes	
VMware	vSphere vCenter Server	2009	Yes	
VMware	vSphere Standard	2009	Yes	
VMware	vSphere Advanced	2009	Yes	

VMware	vSphere Enterprise	2009	Yes	
VMware	vSphere Enterprise Plus	2009	Yes	
VMware	Virtual SMP	2006	N/A	Bundled into Infrastructure
VMware	High Availability	2006	N/A	Bundled into Infrastructure
VMware	DRS	2006	N/A	Bundled into Infrastructure
VMware	VMotion	2006	N/A	Bundled into Infrastructure
VMware	VMFS	2006	N/A	Bundled into Infrastructure
VMware	Update Manager	2006	N/A	Bundled into Infrastructure
VMware	Storage VMotion	2006	N/A	Bundled into Infrastructure
VMware	VirtualCenter 2.0.2	2007	N/A	
VMware	Lab Manager 2.5	2007	N/A	
VMware	VirtualCenter for Server 1.4.1	2006	N/A	
VMware	Converter 3.0.2	2007	N/A	
VMware	Capacity Planner 1.0	2007	N/A	
VMware	ACE 2.0	2007	Yes	
VMware	Virtual Desktop Infrastructure	2007	Yes	
VMware	VMmark 1.0	2007	N/A	
XenServer	XenServer 7.2		Yes	As appropriate HOS-/GOS support
XenServer	XenServer 7.1		Yes	As appropriate HOS-/GOS support
XenServer	XenServer 7.0		Yes	As appropriate HOS-/GOS support
XenServer	XenServer 6.5		Yes	As appropriate HOS-/GOS support
XenServer	XenServer 6.2		Yes	As appropriate HOS-/GOS support
XenServer	XenServer 5.6		Yes	As appropriate GOS support
XenServer	XenServer 5.6		Yes	As appropriate GOS support
XenDesktop	XenDesktop 4		Yes	As appropriate GOS support
Oracle Database	Oracle 11g Windows ^v		Yes	
Oracle Database	Oracle 11g Linux ^M		Yes	
Oracle Database				
	Oracle 11g Solaris 11 ^M		Yes	
Oracle Database	Oracle 12c Windows ^M		Yes	
Oracle Database	Oracle 12cM Linux ^N		Yes	
Oracle Database	Oracle 12c Solaris 11 ^M		Yes	
Oracle	All Versions	All	Yes	File backup support ^D
MySQL	All Versions	All	Yes	File backup support ^{DE}
Progress	All Versions	All	Yes	File backup support ^D
Paradox	All Versions	All	Yes	File backup support ^D
Lotus Notes	All Versions	All	Yes	File backup support ^D
PostGres	All Versions	All	Yes	File backup support ^D

^vBackup and Restore of databases on SMB 3.0 shares is supported.

^MBackup and Restore of databases that are in Availability Groups must be done from the current Primary node. Failover of Availability Group databases is currently not supported.

^NBackups of databases on CSV volumes on Windows 2008 R2 must be run serially. Parallel backup of databases on CSV volumes on Windows 2008 R2 is not supported due to a limitation of Microsoft's VSS

^D Native backup tools must be used to produce a file that can then be protected by the Unitrends product

^E Does not include versions where Unitrends Oracle agent is supported.

writer.

[®]Backup and Restore of databases on SMB 3.0 shares is supported.

[®]Backup and Restore of databases that are in Availability Groups must be done from the current Primary node. Failover of Availability Group databases is currently not supported.

[†]CSV (Cluster Shared Volumes) support included

[‡]Only supported in versions prior to 7.4

[‡]Oracle RAC is not supported

[®]Support version of Linux include RedHat, CentOS and Oracle Linux

EXCHANGE APPLICATION NOTES

1. Unitrends supports only the Exchange Server 2003 with SP2.
2. Microsoft supports only a 32-bit version of Exchange 2003 as does Unitrends.
3. Microsoft supports only a 64-bit version of Exchange 2007 as does Unitrends.
4. Microsoft supports only a 64-bit version of Exchange 2010 as does Unitrends.
5. Microsoft supports only a 64-bit version of Exchange 2013 as does Unitrends.
6. Microsoft supports only a 64-bit version of Exchange 2016 as does Unitrends.
7. Exchange Server Enterprise Edition supports clustering of up to 4 nodes when using Windows 2000 Server and up to 8 nodes with Windows Server 2003.
8. Active/active clustering is not supported (note: active/active clustering is not recommended by Microsoft for Exchange 2003 and is not supported in Exchange 2007).

Exchange Server 2003 - Standard Edition

- Supports up to two storage groups
- Each database is limited to a maximum size of 16GB.
- Beginning with the release of Service Pack 2, a maximum database size of 75GB, but only supports 16GB by default; Exchange Server 2003 - Enterprise Edition
- Allows a 16TB maximum database size, and supports up to 4 storage groups with 5 databases per storage group for a total of 20 databases per server.

Exchange Server 2007 - Standard edition

- Supports 5 databases in up to 5 storage groups. Supports LCR (Local Continuous Replication) and SCR (Standby Continuous Replication).

Exchange Server 2007 - Enterprise edition

- This is extended to 50 databases in up to 50 storage groups. Supports LCR (Local Continuous Replication), SCR (Standby Continuous Replication), SCC (Single Copy Clustering), and CCR (Clustered Continuous Replication).

Exchange Server 2010 DAG (Database Availability Groups)

- SCC, CCR, LCR and site resiliency functionality SCR have been replaced by DAG.
- Provides database level high availability (as opposed to server level) and supports a number of copies of each database (number based on Exchange Edition) and flexible configuration (databases copies may be added / removed at will without requiring major server reconfiguration).

Exchange Server 2010 Standard Edition

- Supports up to 5 databases.
- Each database is limited to a maximum size of 16 TB.

Exchange Server 2010 Enterprise Edition

- This is extended to 100 databases

Exchange Server 2013

- Support for up to 8TB disks
- Supports multiple databases per disk
- Support Availability Group (DAG) management.

SQL SERVER APPLICATION NOTES

1. SQL Server 2005/2008 Enterprise Edition supports x86, x64, and IA64 (Itanium) versions. Unitrends supports x86, x64, and IA64.
2. SQL Server 2005/2008 Developer Edition supports x86, x64, and IA64 (Itanium) versions. Unitrends supports x86, x64, and IA64.
3. SQL Server 2005/2008 Standard Edition supports x86, x64, and IA64 (Itanium) versions. Unitrends supports x86, x64, and IA64.
4. SQL Server 2012/2016/2017 Standard Edition supports x86, x64, and IA64 (Itanium) versions. Unitrends supports x86, x64, and IA64.
5. SQL Server 2005/2008 Workgroup Edition supports only x86. Unitrends supports x86.
6. SQL Server 2005 Express Edition supports x86 and x64. Unitrends supports x86 and x64.
7. SQL Server 2000 supports x86 and x64. Unitrends supports x86.
8. SAN deployment limit support 250 databases per LUN
9. SQL Server 2017 is only supported on Windows platforms

VMWARE NOTES

1. VMware Infrastructure 3 Starter is a bundle of ESX Server (NAS or local storage only, supports only up to 4 physical CPUs and 8GB of physical memory), VMFS (on local storage only and does not include cluster file system), and Virtual Center.
2. VMware Infrastructure 3 Standard is a bundle of ESX Server, VMFS, Virtual SMP, and Virtual Center.
3. VMware Infrastructure 3 Enterprise is a bundle of ESX Server, VMFS, Virtual SMP, Virtual Center, DRS, VMotion, High Availability, and Consolidated Backup.
4. VMware ESX Server 3i is ESX Server in a 32MB footprint.
5. Encrypted VMs are not supported (VMware 6.5) VMware underlying technologies and products that support higher level VMware products may be found in the table below. Please see the application table above for the status of Unitrends releases supporting the higher-level VMware products of which these are a part.

NDMP SUPPORT

- Unitrends protects NDMP version 4.0
- Unitrends currently certifies devices from NetApp and EMC
 - ~ NetApp Data ONTAP v7 & v8 (7-Mode or Cluster Mode)
 - ~ EMC Celerra, VNX, and VNXe

Unitrends

Compatibility and Interoperability Chart

- The NDMP NAS device must be configured with an MD5 password. Clear text passwords are not supported

DEVICE MATRIX

ETHERNET DEVICES

All Unitrends appliances have at least one Ethernet connector. Standard NAS and SAN devices are supported by all releases of the Unitrends product roadmap.

Non-standard NAS and SAN devices may be attached to a Unitrends appliance; however, it is the responsibility of the reseller or customer that attaches such a device to insure correct operation via correct hardware configuration, software configuration, and software tool support. One such example of a non-standard NAS device are some of the SNAP devices that do not provide persistent connections; in order for these devices to be supported the reseller or customer must insure that the proper mapping call is made to ensure a persistent connection before the Unitrends appliance attempts to access that device.

USB DEVICES

USB devices supported are:

- Thermaltake USB Docking Station
- Prostor RDX QuikStor External^x
- ORICO 6619SUS3
- ORICO 6619US3

TAPE DEVICES

Any device conforming to SAS or SCSI, or Fiber Channel definitions may theoretically be attached; however, it is the responsibility of the reseller or customer that attaches such a device to ensure correct operation via correct hardware configuration, software configuration, and software tool support.

Although not officially tested, any SAS or SCSI, or Fiber Channel tape device that supports MTX control commands should function normally as an alternative backup copy target device.

ADAPTERS

FEATURE NAME	KIT NAME	Vendor-Model	Description
ADA-2x10ETHRJ45	ADAK-2x10ETHRJ45	Intel X540-T2	10GbE Copper RJ45 Ethernet Adapter - Intel Dual Port PCI-e
ADA-SCSI	ADAK-SCSI	Adaptec-2248700-R	LVD SCSI Adapter: Adaptec SCSI Card 29320LPE
ADA-SAS	ADAK-SAS	LSI - 9212-4i4e	SAS SCSI Adapter: Single Port Low Profile PCIe SAS Adapter
ADA-2x10ETHSFP	ADAK-2x10ETHSFP	Intel -E10G42BTDA	10GbE SFP+ Ethernet Adapter - Intel Dual Port PCI-e
ADA-4x1ETH	ADAK-4x1ETH	Supermicro-A0C-SG-i4	SuperMicro 4 port 1Gb/s Ethernet Card PCI-E
ADA-1x8FC	ADAK-1x8FC	Qlogic-QLE2560-CK	Qlogic 8GB Fiber Channel PCI-E (X4) Single Port HBA

^xNative backup tools must be used to produce a file that can then be protected by the Unitrends' products.

^yThis device may be obtained from the following sites:

Tandberg - <http://www.tandbergdata.com/us/index.cfm/partners/where-to-buy/>

Imation - <https://www.imation.com/en/storage-media/rdx-storage/>