Symantec NetBackup ™ Enterprise Server and Server 7.x OS Software Compatibility List

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Introduction

This Software Compatibility List (SCL) document contains information for Symantec NetBackup 7.0. It covers NetBackup Server (which includes Enterprise Server and Server), Client, Bare Metal Restore (BMR), NetBackup Access Control (NBAC), NDMP, OpsCenter, SAN Media Server/SAN Client, FT Media Server, Deduplication, File System Capability, Virtual System Capability and NetBackup Media Server Encryption Option (MSEO). It is divided into bookmarks on the left that can be expanded.

For information about certain NetBackup features, functionality, 3rd-party product integration, Symantec product integration, applications, databases, and OS platforms that Symantec intends to replace with newer and improved functionality, or in some cases, discontinue without replacement, please see the section of the NetBackup SORT Installation & Upgrade Checklist report titled "NetBackup Planned Future OS/Platform Feature/Functionality Technology Improvement and Discontinuation Notification" at <https://sort.symantec.com/checklist/install.>

Reference Article TECH59978 <http://www.symantec.com/docs/TECH59978> for links to all other NetBackup compatibility lists.

7.x OS Software Compatibility List Updates

Update Information

Description of Change	Date	NetBackup Version Start of Support
Added GFS2 file system support on RHEL 5	2013-05-01	7.5
Added Client support on Canonical Ubuntu 12.10	2013-05-01	7.5
Added SAN Client support on AIX 7.1	2013-02-08	7.5
Added BMR Client/Boot Server support on Oracle Linux 6	2013-01-17	NetBackup 7.5.0.5
Added Master Server support on Oracle Linux 6	2013-01-17	NetBackup 7.1
Added Client support on MAC OS 10.8	2013-01-17	NetBackup 7.5.0.4
Added Client support on FreeBSD 9.0	2012-08-29	NetBackup 7.1
Added Client support on Canonical Ubuntu 12.04	2012-07-19	NetBackup 7.5
Added footnote to Oracle Solaris 11 Express noting that it will not be supported in the next maintenance release following NetBackup 7.5.0.3	2012-07-19	NetBackup 7.5
Added Master Server, Bare Metal Restore Server, and OpsCenter Managed Server support on Oracle Solaris 11 SPARC and x86-64.	2012-06-15	NetBackup 7.5.0.3
Added footnotes to third party Backup or Archiving Products noting that will not be supported by OpsCenter in the next minor release following NetBackup 7.5.	2012-06-15	NetBackup 7.5
Added footnotes to AIX 5.3, 6.1, 7.1, HP-UX 11.31 noting that OpsCenter Server will not be supported in the next minor release following NetBackup 7.5.	2012-06-15	NetBackup 7.5
Added footnotes to RHEL 5, SLES 10 and 11 clients on IA64 CPU Architecture noting that they will not be supported in the next minor release following NetBackup 7.5.	2012-06-15	NetBackup 7.5
Added Client support on FreeBSD 8.2, 8.3	2012-05-15	NetBackup 7.1
Removed OpsCenter Server and Managed Sever support on Solaris 11 SPARC.	2012-03-08	TBD
Added BMR Client/Boot Server and BMR Server support on AIX 7.1. Added BMR Client/Boot Server and BMR Server support on Red Hat Enterprise Linux 6 x86-64.	2012-02-05	NetBackup 7.5
Added OpsCenter Server and Managed Sever support on Solaris 11 SPARC. Added OpsCenter Server and Managed Sever support on Red Hat Enterprise Linux 6 x86-64.	2012-02-05	NetBackup 7.5

Update Information

Description of Change	Date	NetBackup Version Start of Support
Added Deduplication support on AIX 5.3, AIX 6.1 and AIX 7.1 POWER.	2012-02-05	NetBackup 7.5
The following OS Versions/Architectures are no longer supported in NetBackup 7.5; Mac OS X 10.5 POWER, x86-32, x86-64 Asianux 2 x86-64 Ubuntu 8.04 x86-64 Debian 4 x86-64 Windows Server 2003 R2 IA64 and 2003 SP1 IA64 Windows Server 2008 IA64 Windows XP Professional SP2 IA64 SUSE Linux Enterprise Server 9 IA64 and z/Architecture Oracle Linux 4 x86-64 Red Hat Enterprise Linux 4 x86-64, IA64 and z/Architecture	2012-02-05	NetBackup 7.5
Added Master Server, Media Server and Client support on Novell Open Enterprise Server (Linux) 11 x86-64.	2012-02-05	NetBackup 7.1
Added Client support on Mac OS X 10.7 x86-64.	2011-12-19	NetBackup 7.1.0.3
Added Master Server support on IBM AIX 7.1 POWER.	2011-12-19	NetBackup 7.1.0.3
Added Client and Media Server support Solaris 11 SPARC and x86-64.	2011-12-19	NetBackup 7.1
Added Media Server support on Red Hat Enterprise Linux 6 on zArchitecture.	2011-12-19	NetBackup 7.1
Added Client support on Ubuntu 11.10 x86-64.	2011-12-19	NetBackup 7.1
Added Client and Media Server support on CentOS 6 x86-64.	2011-12-19	NetBackup 7.1
Added Client support on Red Hat Enterprise Linux 6 on zArchitecture.	2011-11-01	NetBackup 7.1
Added Client and Media server support on Oracle Linux 6.	2011-11-01	NetBackup 7.1
Added Client support on Debian 6.	2011-11-01	NetBackup 7.1
Added MSEO support on Red Hat Enterprise Linux 6.	2011-11-01	NetBackup 7.1
Removed Client and Media Server Deduplication support on SUSE Enterprise Linux Server 11 on 2011-07-05. Replaced when Technote Article was published on 2011-08-12.	2011-07-15	NetBackup 7.1
Added Client and Media Server Deduplication support on SUSE Enterprise Linux Server 11.	2011-07-15	NetBackup 7.1
Added OpsCenter 7.1 support on Backup Exec 2010 R3	2011-05-26	NetBackup 7.1

Update Information

Description of Change	Date	NetBackup Version Start of Support
Media Server on Red Hat Enterprise Linux 6 (x64) is now supported on NetBackup 7.0 and forward	2011-05-23	NetBackup 7.0
Added Media Server Dedupe support on Windows Server 2008 Storage Server (x64) and Windows 2008 R2 Storage Server (x64)	2011-05-18	NetBackup 7.0
Added Client support on Solaris 11 Express x86-64	2011-03-10	NetBackup 7.0.1
Added Client support on Solaris 11 Express (SPARC)	2011-03-10	NetBackup 7.0.1
Added Media Server support on AIX 7.1 (POWER)	2011-02-01	NetBackup 7.0
Added Master Server support on Red Hat Enterprise Linux 6 x86-64.	2011-02-01	NetBackup 7.1
Added Media Server and Client Deduplication support on Red Hat Enterprise Linux 6 x86-64.	2011-02-01	NetBackup 7.1
Added Media Server and Client Deduplication support on HP-Ux 11.31 IA64.	2011-02-01	NetBackup 7.1
Added Client only support on the Oracle Linux Kernel OL 5 Update 5 x86-64 via footnote.	2011-02-01	NetBackup 7.1
Added Client support on Red Hat Enterprise Linux 6 x86-64.	2010-12-01	NetBackup 7.0
Added Active Directory Appendix (formally in NetBackup 7.x DB Agent SCL).	2010-12-01	NetBackup 7.0
Added JAVA GUI support on Windows 7 (includes TECH63372).	2010-12-01	NetBackup 7.0
Added Client support on FreeBSD 7.1, 7.2, 8.0, 8.1.	2010-10-08	NetBackup 7.0
Added OpsCenter support on AIX 6.1.	2010-07-23	NetBackup 7.0.1
Updated Red Hat Enterprise Linux 5 on z/architecture to include support for NBAC.	2010-07-23	NetBackup 7.0.1
Updated Novell SUSE Linux Enterprise Server 10 on z/architecture to include support for NBAC.	2010-07-23	NetBackup 7.0.1
Added Media server support for Red Hat Enterprise Linux 5 on z/architecture.	2010-07-23	NetBackup 7.0.1
Added Media server support for Novell SUSE Linux Enterprise Server 10 on z/architecture.	2010-07-23	NetBackup 7.0.1
Added Oracle Linux 4 and Oracle Linux 5 as separate OS platforms.	2010-07-23	NetBackup 7.0.1
Added BMR Client/Boot Server support for the following OS platforms, AIX 6.1 HP-UX 11.31 IA64 Oracle Linux 4 and Oracle Linux 5 Windows 7 and Windows Vista Windows Server 2008 Core Windows Server 2008 and 2008 R2 Solaris x64 SUSE Linux Enterprise Server 10 and SUSE Linux Enterprise Server 11	2010-07-23	NetBackup 7.0.1

Update Information

Description of Change	Date	NetBackup Version Start of Support
Added BMR Server support on Oracle Linux 4 and Oracle Linux 5.	2010-07-23	NetBackup 7.0.1
Changed Sun Solaris to Oracle Solaris	2010-07-23	NetBackup 7.0.1
Removed FT Media Server Appendix and added information to SAN Media Server/SAN Client Appendix including a link to the NetBackup 7.x HCL.	2010-06-01	NetBackup 7.0
Added footnotes to RHEL 4 and 5, SLES 9 and 10 on POWER CPU Architecture noting that they will not be supported in the next major NetBackup release following NetBackup 7.5.	2010-06-01	NetBackup 7.0
Updated BMR File System/Volume Manager Support Appendix	2010-05-06	NetBackup 7.0
Added NetBackup Administration Console Appendix	2010-03-26	NetBackup 7.0

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Operating Systems

Most Operating System vendors provide patches and updates to their products. It is a best practice of NetBackup Quality Engineering to test with the latest service pack or patch level of the operating system when testing a platform. If a known problem exists on a specific service pack or patched OS level, this information is identified in the tables below. Any required operating system patches for specific releases of NetBackup are documented in the NetBackup Release Notes. The current patch versions of releases will work with NetBackup for the Operating Systems listed below unless otherwise noted. Symantec supports the standard un-altered kernel/Operating System levels as indicated in the table, provided the OS Vendor still provides support for that level. Should an issue arise on a revised kernel, Operating System, or virtual system environment, Symantec support may request the recreation of the problem with the standard operating environment distribution.

"Backward Compatibility"
NetBackup 6.x client and media server are supported with NetBackup 7.x servers. See Article TECH70729 <http://www.symantec.com/docs/TECH70729> for NetBackup 6.x OS Software Compatibility List.

"Microsoft Windows Servers"
When specific Windows Servers are listed as supported operating systems (Windows Server 2003, Windows Server 2003 R2, Windows 2008, Windows 2008 R2), their corresponding storage servers are supported on the NetBackup client and media server.

"NetBackup Vault"
This option runs on the same operating systems and versions and in the same clustering environments as NetBackup unless otherwise noted in the NetBackup Release Notes. NetBackup restrictions and limitations related to systems, clusters, and peripherals also apply to Vault.
Exception: Vault does not support standalone drives.

"Data at Rest Key Management Service (KMS)"
This feature is a Master server-based symmetric key management service that manages symmetric cryptography keys for tape drives that conform to the T10 standard (i.e. LTO4). Beginning in NetBackup 6.5.2 KMS is supported on all OS versions where the Master Server and Media Server are supported unless otherwise noted.

"Support Definitions"
Symantec Maintenance/Support only applies to Symantec Licensed Software, assuming you have a current Symantec Maintenance/Support subscription for such software and such Symantec Licensed Software is operating in configurations which Symantec designates as supported. Symantec Maintenance/Support does not cover (and we have no responsibility for) providing technical support, installation services or other services for any other software or hardware products. Also, Symantec is not obligated to provide Maintenance/Support when your Symantec Licensed Software is operating in configurations Symantec does not designate as supportable/supported. Please see the current Symantec Technical Support Policy and your Symantec license agreement for more information, terms and limitations.

"Supported Configurations"
For more information about technical notes in regards to Symantec supported configurations (such as operating system/levels, firmware levels, databases, devices, device drivers, applications, etc.), please refer to the Symantec Support website <http://www.symantec.com/enterprise/support/> Please note that while Symantec makes reasonable efforts to keep this information updated, we cannot assure that this information will be in all cases complete or the most current.

"Third Party Products"
Where your problem may be related to product(s) from a third party vendor with whom we have a cooperative or collaborative relationship on such product(s), then Symantec may work with that vendor towards resolving your reported problem. Where Symantec does not have such a support relationship in place with the third party vendor, or where the vendor ceases to support such product(s), then our ability to support Symantec Licensed Software operating with such vendor's product(s) may be limited, affected, or prevented (and such third party product(s) may cease to be part of Symantec -supported configuration(s)). Symantec support may be limited by the hardware or software vendor due to their support lifecycle. Should a vendor announce End of Support for a product, Symantec support may be limited.

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Apple Mac OS X

NetBackup Client is supported on Mac OS X and Mac OS X Server.

Apple Mac OS X - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Mac OS X 10.8	x86-64	64	Y [1]	32				7.5.0.4
Mac OS X 10.7	x86-64	64	Y [1]	32				7.1.0.3
Mac OS X 10.6	x86-32	32	Y [1] [2]	32				7.0
Mac OS X 10.6	x86-64	64	Y [1]	32				7.0
Mac OS X 10.5 [3]	POWER [4]	32	Y	32				7.0
Mac OS X 10.5 [3]	x86-32	32	Y	32				7.0
Mac OS X 10.5 [3]	x86-64	64	Y	32				7.0

1. HFS compression is not supported when restoring files; data is restored in uncompressed format.

2. In the next major release of NetBackup following 7.5, this Client will be supported with 64-bit binaries only. Back level support of 7.x Clients will be available until NetBackup 7.x reaches end of support.

3. Please note that NetBackup Client Support for Mac OS X 10.5 ended with the NetBackup 7.5 release. Historically Apple's Mac OS X version support has been limited to its two most recent versions. NetBackup 7.5 does support Mac OS X version 10.6 forward. However, support for this Operating System can change if the market position or vendor support changes.

4. CPU Architecture POWER represents POWER PC

Asianux Consortium Asianux

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Asianux Consortium Asianux - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Asianux 3	x86-64	64	Y	64		Y		7.0
Asianux 2 [1]	x86-64	64	Y	64		Y		7.0

1. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Asianux Consortium Asianux - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Asianux 3	x86-64	64	Y	Y	64		Y			Y	7.0
Asianux 2 [1]	x86-64	64	Y	Y	64		Y			Y	7.0

1. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Canonical Ubuntu

Canonical Ubuntu - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Ubuntu 12.10	x86-64	64	Y	64				7.5
Ubuntu 12.04	x86-64	64	Y	64				7.5
Ubuntu 11.10 [1]	x86-64	64	Y	64				7.1
Ubuntu 10.04 [2]	x86-64	64	Y	64				7.0
Ubuntu 9.10 [2]	x86-64	64	Y	64				7.0
Ubuntu 9.04 [2]	x86-64	64	Y	64				7.0
Ubuntu 8.04 [2] [3]	x86-64	64	Y	64				7.0

1. Reference Article: TECH176428 <http://www.symantec.com/docs/TECH176428> for Linux 3.x kernel considerations.

2. Reference Article: TECH63359 <http://www.symantec.com/docs/TECH63359> for Ubuntu and Debian considerations.

3. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

CentOS

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Reference Article: TECH58689 <http://www.symantec.com/docs/TECH58689> for CentOS considerations.

CentOS - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
CentOS 6	x86-64	64	Y	64			Y	7.1
CentOS 5 [1]	x86-64	64	Y	64			Y	7.0

1. CentOS 5.2 and forward is supported.

CentOS - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
CentOS 6	x86-64	64		Y	64		Y			Y	7.1

Debian GNU/Linux

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Reference Article: TECH63359 <http://www.symantec.com/docs/TECH63359> for Ubuntu and Debian considerations.

Debian GNU/Linux - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
GNU/Linux 6	x86-64	64	Y	64				7.1
GNU/Linux 5	x86-64	64	Y	64				7.0
GNU/Linux 4 [1]	x86-64	64	Y	64				7.0

1. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changesand la

FreeBSD

FreeBSD compat 6x-I386 libraries are required for support of FreeBSD 7.x and above.

Reference Article; TECH64041 <http://www.symantec.com/docs/TECH64041> for FreeBSD considerations.

FreeBSD - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
FreeBSD 9.0	x86-32	32	Y [1]	32				7.1
FreeBSD 9.0	x86-64	64	Y	64				7.1
FreeBSD 8.3	x86-32	32	Y [1]	32				7.1
FreeBSD 8.3	x86-64	64	Y	64				7.1
FreeBSD 8.2	x86-32	32	Y [1]	32				7.1
FreeBSD 8.2	x86-64	64	Y	64				7.1
FreeBSD 8.1	x86-32	32	Y [1]	32				7.0
FreeBSD 8.1	x86-64	64	Y	32				7.0
FreeBSD 8.0	x86-32	32	Y [1]	32				7.0
FreeBSD 8.0	x86-64	64	Y	32				7.0
FreeBSD 7.2 [2]	x86-32	32	Y	32				7.0
FreeBSD 7.2 [2]	x86-64	64	Y	32				7.0
FreeBSD 7.1 [2]	x86-32	32	Y	32				7.0
FreeBSD 7.1 [2]	x86-64	64	Y	32				7.0
FreeBSD 7.0 [2]	x86-32	32	Y	32				7.0
FreeBSD 7.0 [2]	x86-64	64	Y	32				7.0
FreeBSD 6.3 [2]	x86-32	32	Y	32				7.0
FreeBSD 6.3 [2]	x86-64	64	Y	32				7.0
FreeBSD 6.2 [2]	x86-32	32	Y	32				7.0
FreeBSD 6.1 [2]	x86-32	32	Y	32				7.0

1. In the next major release of NetBackup following 7.5, this Client will be supported with 64-bit binaries only. Back level support of 7.x Clients will be available until NetBackup 7.x reaches end of support.

2. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

HP HP-UX

HP HP-UX - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
HP-UX 11.31	IA64	64	Y	64	Y [1]	Y	Y	7.0
HP-UX 11.31	PA-RISC [2]	64	Y	64		Y	Y	7.0
HP-UX 11.23	PA-RISC [2]	64	Y	64		Y	Y	7.0
HP-UX 11.11	PA-RISC [2]	64	Y	64	Y	Y	Y	7.0

1. BMR Client/Boot Server support began in NetBackup 7.0.1.

2. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

HP HP-UX - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
HP-UX 11.31	IA64	64	Y	Y [1]	64	Y	Y	Y [2]	Y	Y	7.0
HP-UX 11.31	PA-RISC [3]	64		Y [1]	64		Y			Y	7.0
HP-UX 11.23	PA-RISC [3]	64		Y	64		Y			Y	7.0
HP-UX 11.11	PA-RISC [3]	64		Y	64		Y			Y	7.0

1. The NetBackup media server support of HP-UX 11.31 requires the HP-UX September 2008 patch QPK1131 (B.11.31.0809.326) patch bundle.

2. OpsCenter Server on this Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

3. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

HP OpenVMS

The NetBackup OpenVMS maintenance packs are available as a download at: <ftp://ftp.emea.veritas.com/pub/support/Products/NetBackup_OpenVMS/>

HP OpenVMS client does not support client encryption or NetBackup 7.5 Accelerator.

HP OpenVMS - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
OpenVMS 8.4 [1]	Alpha	64	Y	64				7.1
OpenVMS 8.4 [1]	IA64	64	Y	64				7.1
OpenVMS 8.3 [1]	Alpha	64	Y	64				7.0
OpenVMS 8.3 [1]	IA64	64	Y	64				7.0
OpenVMS 8.2 [1]	Alpha	64	Y	64				7.0
OpenVMS 8.2 [1]	IA64	64	Y	64				7.0
OpenVMS 7.3 [1]	Alpha	64	Y	64				7.0
OpenVMS 7.3 [1]	VAX	32	Y	32				7.0
OpenVMS 6.2 [1]	Alpha	64	Y	64				7.0
OpenVMS 6.2 [1]	VAX	32	Y	32				7.0
OpenVMS 6.1 [1]	Alpha	64	Y	64				7.0
OpenVMS 5.5 [1]	VAX	32	Y	32				7.0

1. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

IBM AIX

Symantec does not test all IBM POWER-based server models and relies on the IBM AIX 5L Version 5 binary compatibility statement. Reference: <http://www-03.ibm.com/systems/power/software/aix/compatibility/index.html>

IBM AIX - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
AIX 7.1	POWER	64	Y	64	Y [1]	Y	Y [2]	7.0
AIX 6.1	POWER	64	Y	64	Y [3]	Y	Y [2]	7.0
AIX 5.3 [4]	POWER	64	Y	64	Y	Y	Y	7.0

1. BMR Client/Boot Server support for AIX 7.1 begins with NetBackup 7.5. Supported on AIX 7.1 GA through patch level TL1.

2. SAN Client support begins in NetBackup 7.5. LPARs are supported with SAN Client if fibre channel port is dedicated.

3. BMR Client/Boot Server support for AIX 6.1 begins with NetBackup 7.0.1. Supported on AIX 6.1 GA through patch level TL7.

4. This Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

IBM AIX - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
AIX 7.1	POWER	64	Y [1]	Y	64	Y [2]	Y	Y [3] [4]	Y [5]	Y	7.0
AIX 6.1	POWER	64	Y	Y	64	Y	Y	Y [3] [6]	Y [7]	Y	7.0
AIX 5.3 [8]	POWER	64	Y	Y	64	Y	Y	Y [3] [6]	Y [7]	Y	7.0

1. Master Server support began in NetBackup 7.1.0.3.

2. BMR Server support began in NetBackup 7.1.0.3.

3. OpsCenter Server on this Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

4. OpsCenter Server support began in NetBackup 7.1.0.3.

5. OpsCenter Managed Server support began in NetBackup 7.1.0.3.

6. OpsCenter Server support began in NetBackup 7.0.1.

7. OpsCenter Managed Server support began in NetBackup 7.0.1.

8. This Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

Microsoft Windows 7

NetBackup Client is supported on all Windows 7 Editions.

Microsoft Windows 7 - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Windows 7 Ultimate	x86-32	32	Y	32	Y [1]	Y		7.0
Windows 7 Ultimate	x86-64	64	Y	64	Y [1]	Y		7.0

1. BMR Client/Boot Server support began in NetBackup 7.0.1.

Microsoft Windows Server 2003

NetBackup Client and Server are supported on the following Microsoft Windows Server 2003 Editions:
Standard Edition (32-bit and 64-bit)
Enterprise Edition (32-bit, 64-bit and IA64-Client only)
Datacenter Edition (32-bit, 64-bit and IA64-Client only)
Web Edition (32-bit)

NetBackup Client and Server are supported on the following Microsoft Windows Server 2003 R2 Editions:
Standard Edition (32-bit and 64-bit)
Enterprise Edition (32-bit, 64-bit and IA64-Client only)
Datacenter Edition (32-bit, 64-bit and IA64-Client only)

NetBackup Client and Media Server are supported on Microsoft Storage Server 2003 and Microsoft Storage Server 2003 R2.
Jobs that use Granular Recovery Technology for Active Directory, Exchange, and SharePoint are not supported on a NetBackup Media Sever running Microsoft Sorage Server 2003 (32-bit and 64-bit architecture).

Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2003 - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Windows Server 2003 SP1 [1]	IA64 [2]	64	Y	64		Y	Y	7.0
Windows Server 2003 SP1 [1]	x86-32	32	Y	32	Y	Y	Y	7.0
Windows Server 2003 SP1 [1]	x86-64	64	Y	64	Y	Y	Y	7.0
Windows Server 2003 R2	IA64 [2]	64	Y	64		Y	Y	7.0
Windows Server 2003 R2	x86-32	32	Y	32	Y	Y	Y	7.0
Windows Server 2003 R2	x86-64	64	Y	64	Y	Y	Y	7.0

1. Windows Server Enterprise Edition is supported on SP1 and forward.

2. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Microsoft Windows Server 2003 - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Windows Server 2003 SP1 [1]	x86-32	32	Y [2]	Y [2] [3]	32	Y	Y	Y [4]	Y	Y	7.0
Windows Server 2003 SP1 [1]	x86-64	64	Y	Y [3]	64	Y	Y	Y	Y	Y	7.0
Windows Server 2003 R2	x86-32	32	Y [2]	Y [2]	32	Y	Y	Y [4]	Y	Y	7.0
Windows Server 2003 R2	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0

1. Windows Server Enterprise Edition is supported on SP1 and forward.

2. This Operating System on this CPU Architecture is not supported as a master or media server at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

3. Jobs that use Granular Recovery Technology for Active Directory, Exchange, and SharePoint are not supported on this Media Server platform.

4. This Operating System on this CPU Architecture is not supported as an OpsCenter Server at the next minor release following NetBackup 7.5.

Microsoft Windows Server 2008

NetBackup Client is supported on Microsoft Windows Server 2008 Editions: Standard, Enterprise, Datacenter, Itanium and Web. The NetBackup supported functionality for each CPU Architecture (32-bit or 64-bit) is listed in the tables below. The NetBackup Client is also supported on Windows Server 2008 Core (32-bit and 64-bit) and Windows Server 2008 Core R2 (64-bit).

NetBackup Master and Media Server are supported on Microsoft Windows Server 2008 Editions: Standard, Enterprise and Datacenter. The NetBackup supported functionality for each CPU Architecture (32-bit or 64-bit)is listed in the tables below.

NetBackup Client is supported on Microsoft Windows Server 2008 R2 Editions: Standard, Enterprise, Datacenter, Itanium and Web. It is not supported on HPC. The NetBackup supported functionality for each CPU Architecture is listed in the tables below. Reference the MSFT web site for information on Editions.

NetBackup Master and Media Server are supported on Microsoft Windows Server 2008 R2 Editions: Standard, Enterprise, and Datacenter. They are not supported on HPC. The NetBackup supported functionality for each CPU Architecture is listed in the tables below. Reference the MSFT web site for information on Editions.

NetBackup Client and Media Server are supported on Microsoft Storage Server 2008 and Microsoft Storage Server 2008 R2.

Windows Service Packs (SP) are supported by default, unless noted otherwise below.

Microsoft Windows Server 2008 - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Windows Server 2008 for Itanium-based Systems	IA64 [1]	64	Y	64		Y	Y	7.0
Windows Server 2008	x86-32	32	Y	32	Y [2]	Y	Y	7.0
Windows Server 2008	x86-64	64	Y	64	Y [2]	Y	Y	7.0
Windows Server 2008 Core	x86-32	32	Y	32	Y [2]	Y	Y	7.0
Windows Server 2008 Core	x86-64	64	Y	64	Y [2]	Y	Y	7.0
Windows Server 2008 R2	x86-64	64	Y	64	Y [2]	Y	Y	7.0
Windows Server 2008 R2 Core	x86-64	64	Y	64	Y [2]	Y	Y	7.0

1. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

2. BMR Client/Boot Server support began in NetBackup 7.0.1.

Microsoft Windows Server 2008 - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Windows Server 2008	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Windows Server 2008 R2	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0

Microsoft Windows Vista

NetBackup Client is supported on the following Microsoft Windows Vista Editions:
Enterprise (32-bit and 64-bit)
Ultimate (32-bit and 64-bit)

Microsoft Windows Vista - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Windows Vista Enterprise	x86-32	32	Y	32	Y [1]	Y		7.0
Windows Vista Enterprise	x86-64	64	Y	64	Y [1]	Y		7.0

1. BMR Client/Boot Server support began in NetBackup 7.0.1.

Microsoft Windows XP

Microsoft Windows XP - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Windows XP Professional SP2	IA64 [1]	64	Y	64		Y		7.0
Windows XP Professional SP2	x86-32 [2]	32	Y [3] [4]	32	Y [5]	Y		7.0
Windows XP Professional SP2	x86-64	64	Y [3] [4]	64	Y [6]	Y		7.0

1. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

2. Windows XP Professional is supported on SP2 and forward.

3. NetBackup 7.x does not support Open File Backup on this platform. It is supported with back level NetBackup 6.x clients.

4. Reference Article: TECH32041 <http://www.symantec.com/docs/TECH32041> for Windows XP SP2 firewall considerations.

5. NetBackup 6.5.x client required for BMR support on this 32-bit platform.

6. Bare Metal Boot Server is not supported on this platform.

Novell Open Enterprise Server (Linux)

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Novell Open Enterprise Server (Linux) - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Open Enterprise Server (Linux) 11	x86-64	64	Y	64		Y		7.1
Open Enterprise Server (Linux) 2 [1]	x86-64	64	Y	64		Y		7.0

1. Supported on SUSE Linux Enterprise Server 10 SP2 and later.

Novell Open Enterprise Server (Linux) - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Open Enterprise Server (Linux) 11	x86-64	64	Y	Y	64		Y				7.1
Open Enterprise Server (Linux) 2 [1]	x86-64	64	Y	Y	64		Y				7.0

1. Supported on SUSE Linux Enterprise Server 10 SP2 and later.

Novell SUSE Linux Enterprise Server

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Novell SUSE Linux Enterprise Server - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
SUSE Linux Enterprise Server 11 [1]	IA64 [2]	64	Y	64		Y	Y	7.0
SUSE Linux Enterprise Server 11 [1]	x86-64	64	Y	64	Y [3]	Y	Y	7.0
SUSE Linux Enterprise Server 11 [1]	z/Architecture	64	Y	64				7.0
SUSE Linux Enterprise Server 10 [4]	IA64 [2]	64	Y	64		Y	Y	7.0
SUSE Linux Enterprise Server 10 [4]	POWER [5]	64	Y	64				7.0
SUSE Linux Enterprise Server 10 [4]	x86-64	64	Y	64	Y [6]	Y	Y	7.0
SUSE Linux Enterprise Server 10 [4]	z/Architecture	64	Y	64		Y [7]		7.0
SUSE Linux Enterprise Server 9	IA64 [8]	64	Y	64		Y		7.0
SUSE Linux Enterprise Server 9	POWER [5]	64	Y	64				7.0
SUSE Linux Enterprise Server 9	z/Architecture [8]	64	Y	64				7.0

1. SUSE Linux Enterprise Server 11 SP2 and later SPs requires NetBackup 7.1.0.4 or later.

2. This Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

3. BMR Client/Boot Server support for SUSE Linux Enterprise Server 11 begins with NetBackup 7.0.1. Supported on SUSE Linux Enterprise Server 11 GA through patch level SP1.

4. Supported from SP2 forward.

5. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

6. BMR Client/Boot Server support for SUSE Enterprise Linux 10 began in NetBackup 7.0.1. Supported on SUSE Linux Enterprise Server 10 SP2 through patch level SP4.

7. NBAC support began in NetBackup 7.0.1.

8. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Novell SUSE Linux Enterprise Server - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
SUSE Linux Enterprise Server 11 [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
SUSE Linux Enterprise Server 11 [1]	z/Architecture	64		Y	64		Y				7.1
SUSE Linux Enterprise Server 10 [2]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
SUSE Linux Enterprise Server 10 [2]	z/Architecture	64		Y	64		Y				7.0.1

1. SUSE Linux Enterprise Server 11 SP2 and later SPs requires NetBackup 7.1.0.4 or later.

2. Supported from SP2 forward.

Oracle Linux

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Oracle Linux - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Linux 6	x86-64	64	Y [1]	64	Y [2]	Y		7.1
Linux 5	x86-64	64	Y [3]	64	Y [4]	Y		7.0
Linux 4 [5]	x86-64	64	Y	64	Y [6]	Y		7.0

1. NetBackup Client is supported on both the Oracle Unbreakable Linux Kernel and the Oracle Red Hat Compatible Kernel. This does not include SAN Client support.

2. BMR Client/Boot Server support for Oracle Linux 6 begins with NetBackup 7.5.0.5. Supported on Oracle Linux 6 GA through patch level Update 3.

3. Starting in NetBackup 7.0.1 the NetBackup Client is supported on the Oracle Unbreakable Linux Kernel as well as the already supported Oracle Red Hat Compatible Kernel. This does not include SAN Client support. The Unbreakable Enterprise Kernel installs directly on top of Oracle Linux 5 starting with Update 5.

4. BMR Client/Boot Server support for Oracle Linux 5 begins with NetBackup 7.0.1. Oracle Linux 5 Update 7 requires NetBackup 7.5.0.5 or later.

5. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

6. BMR Client/Boot Server support began in NetBackup 7.0.1.

Oracle Linux - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Linux 6	x86-64	64	Y [1]	Y [1]	64	Y [2]	Y			Y	7.1
Linux 5	x86-64	64	Y [3]	Y [3]	64	Y [4]	Y			Y	7.0
Linux 4 [5]	x86-64	64	Y	Y	64	Y [4]	Y			Y	7.0

1. NetBackup Master and Media servers are supported on both the Oracle Unbreakable Linux Kernel and the Oracle Red Hat Compatible Kernel.

2. BMR Server support for Oracle Linux 6 begins with NetBackup 7.5.0.5.

3. Starting in NetBackup 7.0.1 the NetBackup Master and Media servers are supported on the Oracle Unbreakable Linux Kernel as well as the already supported Oracle Red Hat Compatible Kernel. The Unbreakable Enterprise Kernel installs directly on top of Oracle Linux 5 starting with Update 5.

4. BMR Server support began in NetBackup 7.0.1.

5. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Oracle Solaris

Oracle Solaris - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Solaris 11 Express [1]	SPARC [2]	64	Y	64				7.0.1
Solaris 11 Express [1]	x86-64 [3]	64	Y	64				7.0.1
Solaris 11 [4]	SPARC	64	Y	64		Y		7.1
Solaris 11 [4]	x86-64	64	Y	64		Y		7.1
Solaris 10	SPARC	64	Y	64	Y [5] [6]	Y	Y	7.0
Solaris 10	x86-64	64	Y	64	Y [5] [6]	Y	Y	7.0
Solaris 9.0 [7]	SPARC	64	Y	64	Y [6]	Y	Y	7.0

1. This Operating System is not supported at the next maintenance release following NetBackup 7.5.0.3. However, support for this Operating System can change if the market position or vendor support changes.

2. There is no GUI support on this OS/CPU Architecture

3. Oracle Solaris 11 Express 2010.11 LiveCD is required for GUI support.

4. Reference Article; TECH176441 <http://www.symantec.com/docs/TECH176441> Reinstall information for Solaris 11.

5. PRIOR to NetBackup 7.0.1 a failure may occur during Share Resource Tree creation and restore of Solaris 10-Update 8, BMR clients, on SPARC (sun4u and sun4v) and x64 processor types. BMR is unable to create SRTs (network and media) using the Solaris 10-Update 8 media that Sun Microsystems recently released. In some cases, the SRT creation works. However, a BMR restore of the Solaris 10-Update 8 client might not complete successfully, and result in an unusable system. If you encounter this type of issue, use a Solaris 10, Update-7 SRT to perform a BMR-based restore of a Solaris 10, Update 8 server.

6. Reference Article; TECH49862 <http://www.symantec.com/docs/TECH49862> Bare Metal Restore Support for Solaris Containers (Zones).

7. This Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

Oracle Solaris - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Solaris 11 [1]	SPARC	64	Y [2] [3]	Y	64	Y [4]	Y		Y [5]	Y	7.1
Solaris 11 [1]	x86-64	64	Y [2] [3]	Y	64	Y [4]	Y		Y [5]	Y	7.1
Solaris 10	SPARC	64	Y [2]	Y	64	Y	Y	Y	Y	Y	7.0
Solaris 10	x86-64	64	Y [2]	Y	64	Y	Y	Y	Y	Y	7.0

1. Reference Article; TECH176441 <http://www.symantec.com/docs/TECH176441> Reinstall information for Solaris 11.
2. For information on UltraSparc-T Series performance when in the role of Master Server, see TECH204332 <http://www.symantec.com/docs/TECH204332>
3. Master Server support began in NetBackup 7.5.0.3
4. Bare Metal Restore Server support began in NetBackup 7.5.0.3
5. OpsCenter Managed Server support began in NetBackup 7.5.0.3

Red Flag Linux

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Red Flag Linux - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Linux 5	x86-64	64	Y	64		Y		7.0

Red Flag Linux - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Linux 5	x86-64	64	Y	Y	64		Y				7.0

Red Hat Enterprise Linux

NetBackup is supported on all editions (Advanced, Base, DC, etc.) and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless stated otherwise in the tables below.

Red Hat Enterprise Linux - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
Enterprise Linux 6	x86-64	64	Y	64	Y [1]	Y	Y [2]	7.0
Enterprise Linux 6	z/Architecture	64	Y	64		Y		7.1
Enterprise Linux 5	IA64 [3]	64	Y	64		Y	Y	7.0
Enterprise Linux 5	POWER [4]	64	Y	64				7.0
Enterprise Linux 5	x86-64	64	Y	64	Y [5]	Y	Y	7.0
Enterprise Linux 5	z/Architecture	64	Y	64		Y [6]		7.0
Enterprise Linux 4	IA64 [7]	64	Y	64		Y	Y	7.0
Enterprise Linux 4	POWER [4]	64	Y	64				7.0
Enterprise Linux 4	x86-64 [7]	64	Y	64	Y	Y	Y	7.0
Enterprise Linux 4	z/Architecture [7]	64	Y	64				7.0

1. BMR Client/Boot Server support for Red Hat Enterprise Linux 6 begins with NetBackup 7.5. Red Hat Enterprise Linux 6 Update 3 requires NetBackup 7.5.0.5 or later.

2. SAN Client support began in NetBackup 7.5.

3. This Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

4. This Operating System on this CPU Architecture is not supported at the next major release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

5. BMR Client/Boot Server support for Red Hat Enterprise Linux 5 begins with NetBackup 7.0. Red Hat Enterprise Linux 5 Update 8 requires NetBackup 7.5.0.5 or later.

6. NBAC support began in NetBackup 7.0.1.

7. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Red Hat Enterprise Linux - NetBackup Server

OS	CPU Architecture	OS Bits	NetBackup Master Server	NetBackup Media Server	NetBackup Bits	BMR Server	NBAC	OpsCenter Server	OpsCenter Managed Server	NDMP	Minimum NetBackup 7.X Level
Enterprise Linux 6	x86-64	64	Y	Y [1]	64	Y	Y	Y [2]	Y [3]	Y	7.1
Enterprise Linux 6	z/Architecture	64		Y [1]	64		Y				7.1
Enterprise Linux 5	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Enterprise Linux 5	z/Architecture	64		Y	64		Y				7.0.1
Enterprise Linux 4	x86-64 [4]	64	Y	Y	64	Y	Y	Y	Y	Y	7.0

1. Media server support began in NetBackup 7.0.

2. OpsCenter Server support began in NetBackup 7.5.

3. OpsCenter Managed Server support began in NetBackup 7.5.

4. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

Active Directory Support

Active Directory is supported via the standard Windows file system agent when specifying System State:\ or Shadow Copy Components:\. Since it is a part of the standard system components, backup and recovery of Active Directory is supported on all Windows server platforms which NetBackup supports as a client.

Active Directory Granular Restore is a special restore option enabled by a policy selection. This option is also supported on all platforms in which Active Directory is supported by NetBackup.

Agent	OS	CPU Architecture	OS Bit
Active Directory Granular Restore	Windows Server 2008 R2	x86-64	64
Active Directory Granular Restore	Windows Server 2008	x86-64	64
Active Directory Granular Restore	Windows Server 2008	x86-32	32
Active Directory Granular Restore	Windows Server 2003 R2	x86-64	64
Active Directory Granular Restore	Windows Server 2003 R2	x86-32	32

Bare Metal Restore (BMR)

General Information
* Bare Metal Restore Server (BMR server) is a feature of the Master Server.

BMR Boot Server
* BMR Boot Server is supported on the same Operating Systems as the BMR client. In case of Windows, BMR Boot Server bitness is not relevant. I.E., a Windows x86 boot server can boot x86 and x64 servers and visa-versa.

BMR Boot Server Requirements
Please Reference the Requirements for Bare Metal Restore (BMR) Boot Servers document for comprehensive information, <http://www.symantec.com/docs/TECH87607.>

Bare Metal Restore File System/Volume Manager Support

Listed in the table below are the available File Systems and Logical Volume Managers compatible with Bare Metal Restore 7.x. Support is conditional according to the published notes corresponding to the individual OS platforms.

The table below contains scenarios that have been thoroughly tested with NetBackup. Due to the number of combinations, it is not possible to test all combinations for compatibility. If a particular scenario is not listed, it may work fine, but has not been explicitly tested by Symantec.

Minimum NetBackup Level
The information in this column is the minimum level of NetBackup that must be installed on the BMR Client to support the associated OS platform.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
AIX 5.3 (TL5 and above)	JFS, JFS2 VxFS 5.0 - 5.0 MP3	Native LVM, VxVM 5.0 - 5.0 MP3	All	7.0	1. Qualification is done with VxVM 5.0 and VxVM 5.0 MP3. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.
AIX 5.3 (TL10 and above)	JFS, JFS2 VxFS 5.0 - 5.1 SP1 PRI	Native LVM, VxVM 5.0 - 5.1 SP1 PRI	All	7.5	1. Qualification is done with VxVM 5.1 SP1 PR1. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.
AIX 6.1 (TL0SP1 and above)	JFS2 VxFS 5.0 - 5.0 MP3	Native LVM, VxVM 5.0 - 5.0 MP3	All	7.0.1	1. Qualification is done with VxVM 5.0 and VxVM 5.0 MP3. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.
AIX 6.1 (TL4 and above)	JFS, JFS2 VxFS 5.0 - 6.0 RP1	Native LVM, VxVM 5.0 - 6.0 RP1	All	7.5	1. Qualification is done with VxVM 6.0 and 6.0 RP1. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.
AIX 7.1 (TL0SP1 and above)	JFS, JFS2 VxFS 5.0 - 6.0 RP1	Native LVM, VxVM 5.0 - 6.0 RP1	All	7.5	1. Qualification is done with VxVM 6.0 and 6.0 RP1. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
HP-UX 11.11 PA-RISC	HFS, JFS 3.3, VxFS 3.5	Native LVM, VxVM 3.5	All	7.0	1. BMR supports HP-UX versions that contain embedded versions of VxVM and VxFS; therefore, you do not have to install separate versions of VxVM and VsFS in an HP-UX SRT. 2. JFS 3.3.2 is the version of the Veritas File System (VxFS 3.3.2) shipping on HP-UX since December 1999.
HP-UX 11.31 IA64	HFS, JFS, VxFS	Native LVM, VxVM 5.0	All	7.0.1	Support is limited for LVM and VxVM 1. For DDR operation, only volume size changing is supported. Re-mapping to different disks is not supported. 2. In case of VxVM, support is only the self restore of non-root/boot volumes. 3. From NetBackup 7.1 forward, disk layout change, volume resizing and re-mapping to different disks is supported for LVM and VxVM. 4. VxVM 5.0.1 comaptibility is a future effort. Use VxVM 5.0 based BMR SRT to restore clients with VxVM 5.0.1 based non system volumes.
Red Hat 4 (x64)	EXT2, EXT3	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Linux Native-Multipathing is not handled.
Red Hat 5 (x64)	EXT2, EXT3, EXT4	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported. 4. EXT4 file system is supported from NetBackup 7.5 forward.
Red Hat 6 (x64)	EXT2, EXT3, EXT4	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.5	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Solaris 9 SPARC	UFS, VxFS 4.1 MP2 forward and including VxFS 5.0 MP3	SVM, VxVM 4.1 MP2 forward and including VxFS 5.0 MP3	All	7.0	1. Qualification is done with VxVM 5.0 and VxVM 5.0 MP3. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide. 3. SVM database replicas, disk sets, and volumes are fully recreated and SVM remains active after a BMR restore. 4. For mixed versions of VxVM and VxFS, install the latest version of the Symantec licensing software into the SRT. 5. VxVM/VxFS cannot be patched in SRT.
Solaris 10 SPARC	UFS, VxFS 5.0 and 5.0 MP3	SVM, VxVM 5.0 and 5.0 MP3	All	7.0	1. Qualification is done with VxVM 5.0 and VxVM 5.0 MP3. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide. 3. SVM database replicas, disk sets, and volumes are fully recreated and SVM remains active after a BMR restore. 4. For mixed versions of VxVM and VxFS, install the latest version of the Symantec licensing software into the SRT. 5. VxVM/VxFS cannot be patched in SRT.
Solaris 10 SPARC	UFS, VxFS 5.0 forward and including 5.1	VxVM 5.0 forward and including 5.1	All	7.5	1. Qualification is done with VxVM 5.1. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide. 3. For mixed versions of VxVM and VxFS, install the latest version of the Symantec licensing software into the SRT. 4. VxVM/VxFS cannot be patched in SRT.
Solaris 10 SPARC	ZFS	ZFS	All	7.5	1. Qualification is done on Solaris 10 SPARC Update 8 and Update 9.
Solaris 10 x64	UFS, VxFS 5.0 and 5.0 MP3	SVM, VxVM 5.0 and 5.0 MP3	All	7.0	1. Qualification is done with VxVM 5.0 and VxVM 5.0 MP3. 2. Support for Solaris native SVM was added in NetBackup 7.0.1. 3. SVM database replicas, disk sets, and volumes are fully recreated adn SVM remains active after the BRM restore. 4. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide. 5. For mixed versions of VxVM and VxFS, install the latest version of the Symantec licensing software into the SRT. 6. VxVM/VxFS cannot be patched in SRT.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Solaris 10 x64	UFS, VxFS 5.0 forward and including 5.1	VxVM 5.0 forward and including 5.1	All	7.5	1. Qualification is done with VxVM 5.1. 2. If a Veritas Volume Manager managed disk has the Cross Platform Data Sharing (CDS) enabled and you map that disk to an IDE disk the CDS capability will be lost. For more information reference the VxVM Administrators Guide. 3. For mixed versions of VxVM and VxFS, install the latest version of the Symantec licensing software into the SRT. 4. VxVM/VxFS cannot be patched in SRT.
Solaris 10 x64	ZFS	ZFS	All	7.5	1. Qualification is done on Solaris 10 SPARC Update 8 and Update 9.
SUSE Linux Enterprise Server 10 (x64)	EXT2, EXT3, Reiserfs	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0.1	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported.
SUSE Linux Enterprise Server 11 (x64)	EXT2, EXT3, Reiserfs	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0.1	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported.
Oracle Linux 4 (x64)	EXT2, EXT3	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0.1	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. Linux Native-Multipathing is not handled.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Oracle Linux 5 (x64)	EXT2, EXT3, EXT4	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.0.1	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported.
Oracle Linux 6 (x64)	EXT2, EXT3, EXT4	Native Partitioning, Native LVM	Striping, Mirroring, MultiDevices all layouts	7.5	1. Support for Linux multidevices is limited, and BMR may not restore some configurations exactly. 2. If the root file system is created on a Linux multidevice, when performing a dissimilar disk restore you must map the root file system and retain the original level (for example, if the original level is RAID-1 the mapped file system must also be RAID-1). If the level is changed, the kernel may panic and the system may not recover. 3. NetBackup 7.5 and later supports recovery of non-root filesystems via Linux Native Multi-pathing. Recovery of root filesystems using multi-pathing is not supported.
Windows Server 2003 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0	
Windows Server 2003 x86 (32-bit)	FAT32, NTFS	SFW 4.0 - 4.3	All	7.0	Need to use DOS boot mechanism in order to restore SF involved clients.
Windows Server 2003 x86 (32-bit)	FAT32, NTFS	SFW 4.3, SFW 5.0 RP1 and RP2, SFW 5.1, SFW 5.1 SP1 and SP2	All	7.1	Limitation: If system disk is dynamic and is managed by Storage Foundations, then during restore time a FORCE DDR dialog will come up. BMR will retain the system disk as basic disk. One needs to manually map the system disk at the restore time. For more information reference the BMR Administrators Guide. Need to use Legacy based restore inorder to restore SF involved clients.
Windows Server 2003 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0	No support for SFW on this platform.
Windows Server 2003 x64 (64-bit)	FAT32, NTFS	SFW 4.3, SFW 5.0 RP1 and RP2, SFW 5.1, SFW 5.1 SP1 and SP2	All	7.1	Limitation: If system disk is dynamic and is managed by Storage Foundations, then during restore time a FORCE DDR dialog will come up. BMR will retain the system disk as basic disk. One needs to manually map the system disk at the restore time. For more information reference the BMR Administrators Guide. Need to use Legacy based restore inorder to restore SF involved clients.
Windows Server 2008 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform in the NetBackup 7.0.1 release.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Windows Server 2008 x86 (32-bit)	FAT32, NTFS	SFW 5.1, SFW 5.1 SP1 and SP2	All	7.1	Limitation: If system disk is dynamic and is managed by Storage Foundations, then during restore time a FORCE DDR dialog will come up. BMR will retain the system disk as basic disk. One needs to manually map the system disk at the restore time. For more information reference the BMR Administrators Guide. Need to use Legacy based restore inorder to restore SF involved clients.
Windows Server 2008 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform in NetBackup 7.0.1 release.
Windows Server 2008 x64 (64-bit)	FAT32, NTFS	SFW 5.1, SFW 5.1 SP1 and SP2	All	7.1	Limitation: If system disk is dynamic and is managed by Storage Foundations, then during restore time a FORCE DDR dialog will come up. BMR will retain the system disk as basic disk. One needs to manually map the system disk at the restore time. For more information reference the BMR Administrators Guide. Need to use Legacy based restore inorder to restore SF involved clients.
Windows Server 2008 R2 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform in NetBackup 7.0.1 release.
Windows Server 2008 R2 x64 (64-bit)	FAT32, NTFS	SFW 5.1 SP1 and SP2	All	7.1	Limitation: If system disk is dynamic and is managed by Storage Foundations, then during restore time a FORCE DDR dialog will come up. BMR will retain the system disk as basic disk. One needs to manually map the system disk at the restore time. For more information reference the BMR Administrators Guide. Need to use Legacy based restore inorder to restore SF involved clients.
Windows 7 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform.
Windows 7 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform.
Windows Vista x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform.
Windows Vista x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	No support for SFW on this platform.
Windows XP SP2 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0	No support for SFW on this platform. 32-bit XP is no longer supported.
Windows XP SP2 x64 (64-bit)	FAT32, NTFS	Windows LDM	All	7.0	No support for SFW on this platform.

Acronyms
LDM - Logical Disk Manager

LVM - Logical Volume Manager
SFW - Storage Foundation for Windows
SRT - Shared Resource Tool
SVM - Solaris Volume Manager
VxFS - Vertas File System
VxVM - Veritas Volume Manager

Client Selections for Backup Policies

The information in the Client Selection column of the table below is the client type that should be selected when installing NetBackup as a client on the Operating System/Version and Architecture listed in this table.

OS	CPU Architecture	NetBackup 7.0 - 7.1.x Client Selection	NetBackup 7.5 - 7.5.x Client Selection
AIX 7.1	POWER	RS6000,AIX53	RS6000,AIX53
AIX 6.1	POWER	RS6000,AIX53	RS6000,AIX53
AIX 5.3	POWER	RS6000,AIX53	RS6000,AIX53
Asianux 3	x86-64	Linux, RedHat2.6	Linux, RedHat2.6.18
Asianux 2	x86-64	Linux, RedHat2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Canonical Ubuntu 12.10	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 12.04	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 11.10	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 10.04	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 9.10	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 9.04	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Canonical Ubuntu 8.04	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
CentOS 6	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18

OS	CPU Architecture	NetBackup 7.0 - 7.1.x Client Selection	NetBackup 7.5 - 7.5.x Client Selection
CentOS 5	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Debian GNU/Linux 6	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Debian GNU/Linux 5	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	Linux,Debian2.6.18
Debian GNU/Linux 4	x86-64	Linux,RedHat2.6 Beginning in NetBackup 7.1.x the Client Selection is Linux,Debian2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
FreeBSD 9.0	x86-64	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 9.0	x86-32	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 8.0, 8.1, 8.2, 8.3	x86-64	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 8.0, 8.1, 8.2, 8.3	x86-32	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 7.0, 7.1, 7.2	x86-32	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 7.0, 7.1, 7.2	x86-64	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 6.3	x86-64	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
FreeBSD 6.1, 6.2, 6.3	x86-32	INTEL,FreeBSD6.0	INTEL,FreeBSD6.0
HP-UX 11.31	IA64	HP-UX-IA64,HP-UX11.31	HP-UX-IA64,HP-UX11.31
HP-UX 11.31	PA-RISC	HP9000-700,HP-UX11.31	HP9000-700,HP-UX11.31
HP-UX 11.31	PA-RISC	HP9000-800,HP-UX11.31	HP9000-700,HP-UX11.31
HP-UX 11.23	PA-RISC	HP9000-700,HP-UX11.23	HP9000-700,HP-UX11.23
HP-UX 11.23	PA-RISC	HP9000-800,HP-UX11.23	HP9000-700,HP-UX11.23
HP-UX 11.11	PA-RISC	HP9000-700,HP-UX11.11	HP9000-700,HP-UX11.11
HP-UX 11.11	PA-RISC	HP9000-800,HP-UX11.11	HP9000-700,HP-UX11.11
Mac OS X 10.8	x86-64	Not supported	MACINTOSH,MacOSX 10.6
Mac OS X 10.7	x86-64	MACINTOSH,MacOSX 10.5	MACINTOSH,MacOSX 10.6
Mac OS X 10.6	x86-32, x86-64	MACINTOSH,MacOSX 10.5	MACINTOSH,MacOSX 10.6
Mac OS X 10.5	POWER, x86-32, x86-64	MACINTOSH,MacOSX 10.5	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture

OS	CPU Architecture	NetBackup 7.0 - 7.1.x Client Selection	NetBackup 7.5 - 7.5.x Client Selection
Novell Open Enterprise Server 11	x86-64	Linux,SuSE2.6.16	Linux,SuSE2.6.16
Novell Open Enterprise Server 2	x86-64	Linux,SuSE2.6.16	Linux,SuSE2.6.16
OpenVMS 6.1, 6.2, 7.3, 8.2, 8.3, 8.4	Alpha	OpenVMS,OpenVMS_Alpha	OpenVMS,OpenVMS_Alpha
OpenVMS 5.5, 6.2, 7.3	VAX	OpenVMS,OpenVMS_VAX	OpenVMS,OpenVMS_VAX
OpenVMS 8.2, 8.3, 8.4	IA64	OpenVMS,OpenVMS_I64	OpenVMS,OpenVMS_I64
Oracle Linux 6	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Oracle Linux 5	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Oracle Linux 4	x86-64	Linux,RedHat2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Red Flag Linux 5	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Red Hat Enterprise Linux 6	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Red Hat Enterprise Linux 6	z/Architecture	Linux,IBMzSeriesRedHat2.6	Linux,IBMzSeriesRedHat2.6.18
Red Hat Enterprise Linux 5	x86-64	Linux,RedHat2.6	Linux,RedHat2.6.18
Red Hat Enterprise Linux 5	IA64	Linux-IA64,RedHat2.6	Linux-IA64,RedHat2.6
Red Hat Enterprise Linux 5	POWER	Linux,IBMpSeriesRedHat2.6	Linux,IBMpSeriesRedHat2.6
Red Hat Enterprise Linux 5	z/Architecture	Linux,IBMzSeriesRedHat2.6	Linux,IBMzSeriesRedHat2.6.18
Red Hat Enterprise Linux 4	x86-64	Linux,RedHat2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Red Hat Enterprise Linux 4	IA64	Linux-IA64,RedHat2.6	Linux-IA64,RedHat2.6
Red Hat Enterprise Linux 4	POWER	Linux,IBMpSeriesRedHat2.6	Linux,IBMpSeriesRedHat2.6
Red Hat Enterprise Linux 4	z/Architecture	Linux,IBMzSeriesRedHat2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Solaris 11	SPARC	Solaris,Solaris10	Solaris,Solaris10
Solaris 11	x86-64	Solaris,Solaris_x86_10_64	Solaris,Solaris_x86_10_64
Solaris 11 Express	SPARC	Solaris,Solaris10	Solaris,Solaris10
Solaris 11 Express	x86-64	Solaris,Solaris_x86_10_64	Solaris,Solaris_x86_10_64
Solaris 10	SPARC	Solaris,Solaris10	Solaris,Solaris10
Solaris 10	x86-64	Solaris,Solaris_x86_10_64	Solaris,Solaris_x86_10_64
Solaris 9	SPARC	Solaris,Solaris9	Solaris,Solaris9

OS	CPU Architecture	NetBackup 7.0 - 7.1.x Client Selection	NetBackup 7.5 - 7.5.x Client Selection
SUSE Linux Enterprise Server 11	x86-64	Linux,SuSE2.6.16	Linux,SuSE2.6.16
SUSE Linux Enterprise Server 11	IA64	Linux-IA64,SuSE2.6	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 11	z/Architecture	Linux,IBMzSeriesSuSE2.6	Linux,IBMzSeriesSuSE2.6.16
SUSE Linux Enterprise Server 10	x86-64	Linux,SuSE2.6.16	Linux,SuSE2.6.16
SUSE Linux Enterprise Server 10	IA64	Linux-IA64,SuSE2.6	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 10	POWER	Linux,IBMpSeriesSuSE2.6	Linux,IBMpSeriesSuSE2.6
SUSE Linux Enterprise Server 10	z/Architecture	Linux,IBMzSeriesSuSE2.6	Linux,IBMzSeriesSuSE2.6.16
SUSE Linux Enterprise Server 9	IA64	Linux-IA64,SuSE2.6	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 9	POWER	Linux,IBMpSeriesSuSE2.6	Linux,IBMpSeriesSuSE2.6
SUSE Linux Enterprise Server 9	z/Architecture	Linux,IBMzSeriesSuSE2.6	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Windows Server 2008	x86-32	Windows-x86,Windows2008	Windows-x86,Windows2008
Windows Server 2008 and R2	IA64	Windows-IA64,Windows2008	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Windows Server 2008 and R2	x86-64	Windows-x64,Windows2008	Windows-x64,Windows2008
Windows Server 2003 and R2	x86-32	Windows-x86,Windows2003	Windows-x86,Windows2003
Windows Server 2003 and R2	IA64	Windows-IA64,Windows2003	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture
Windows Server 2003 and R2	x86-64	Windows-x64,Windows2003	Windows-x64,Windows2003
Windows Storage Server 2003 and R2	x86-32	Windows-x86,Windows 2003	Windows-x86,Windows 2003
Windows Storage Server 2003 and R2	x86-64	Windows-x64,Windows2003	Windows-x64,Windows2003
Windows 7	x86-32	Windows-x86,Windows7	Windows-x86,Windows7
Windows 7	x86-64	Windows-x64,Windows7	Windows-x64,Windows7
Windows Vista	x86-32	Windows-x86,WindowsVista	Windows-x86,WindowsVista
Windows Vista	x86-64	Windows-x64,WindowsVista	Windows-x64,WindowsVista
Windows XP	x86-32	Windows-x86,WindowsXP	Windows-x86,WindowsXP
Windows XP	x86-64	Windows-x64,WindowsXP	Windows-x64,WindowsXP
Windows XP	IA64	Windows-IA64,WindowsXP	NetBackup 7.5 and later does not support this Operating System on this CPU Architecture

Deduplication Supported Operating Systems

If you are looking for information regarding PureDisk support, and not media server deduplication, reference article TECH139108 <http://www.symantec.com/docs/TECH139108>

Reference Article; TECH77575 NetBackup Deduplication: Additional Usage Information: <http://www.symantec.com/docs/TECH77575> for further details on recommended hardware.

Where support is shown for "Windows Server" it is implied that the other editions of Windows Server are supported.

OS	CPU Architecture	Media Server Dedupe	Client Deduplication	Minimum NetBackup Level
AIX 7.1	POWER	Yes	Yes	7.5
AIX 6.1	POWER	Yes	Yes	7.5
AIX 5.3	POWER	Yes	Yes	7.5
HP-UX 11.31	IA64	Yes	Yes	7.1
Oracle Linux 6	x86-64	Yes	Yes	7.5
Red Hat Enterprise Linux 6	x86-64	Yes	Yes	7.1
Red Hat Enterprise Linux 5	x86-64	Yes	Yes	7.0
Red Hat Enterprise Linux 4 [1] [2]	x86-64	Yes	Yes	7.0
Solaris 10 [3]	SPARC	Yes	Yes	7.0
SUSE Enterprise Linux Server 11 [4]	x86-64	Yes	Yes	7.1
SUSE Enterprise Linux Server 10 SP2 and later	x86-64	Yes	Yes	7.0
Windows Server 2008 R2	x86-64 (64-bit only)	Yes	Yes	7.0
Windows Server 2008 R2 Storage Server	x86-64 (64-bit only)	Yes	Yes	7.0
Windows Server 2008	x86-32	No	Yes	7.0
Windows Server 2008	x86-64 (64-bit only)	Yes	Yes	7.0
Windows Server 2008 Storage Server	x86-64 (64-bit only)	Yes	Yes	7.0
Windows Server 2003 R2	x86-32	No	Yes	7.0
Windows Server 2003 R2	x86-64	Yes	Yes	7.0
Windows Server 2003	x86-32	No	Yes	7.0

OS	CPU Architecture	Media Server Dedupe	Client Deduplication	Minimum NetBackup Level
Windows Server 2003	x86-64	Yes	Yes	7.0
Windows Server 2003 Storage Server	x86-32	No	Yes	7.0
Windows Server 2003 Storage Server	x86-64	Yes	Yes	7.0
Windows 7	x86-32	No	Yes	7.0.1
Windows 7	x86-64	No	Yes	7.0.1
Windows XP	x86-32	No	Yes	7.0.1

1. Update 5 and later

2. NetBackup 7.5 and later does not support this Operating System on this CPU Architecture. However, support for this Operating System can change if the market position or vendor support changes.

3. ZFS filesystem is not supported with MSDP

4. For NetBackup releases 7.5.0.3 and earlier, see Reference Article; TECH167050 <http://www.symantec.com/docs/TECH167050> for configuration information

File System Compatibility

NetBackup supports backing up file data on all POSIX compliant file systems. The table below represents the platform configurations that have been tested for compatibility with ACLs and other extended attributes. Unless otherwise noted in the table below, ACLs and other extended attributes are not supported.

NetBackup has improved its integration with the Veritas File System (VxFS) product to ensure interoperability on all compatible VxFS versions. If you run a VxFS version that is older than VxFS 4.0 then you need to install new VxFS libraries on the client to back up the systems that run VxFS. You can search and download the appropriate VxFS libraries to your system from Patch Central on the Symantec Support Web site. See, <https://sort.symantec.com/labs/patch.> See, <http://www.symantec.com/docs/TECH87371.>

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes
AIX	5.3, 6.1	POWER	VxFS 5.x	Yes	Yes	
AIX	7.1	POWER	VxFS 5.x starting at 5.1SP1	Yes	Yes	
AIX	5.3, 6.1, 7.1	POWER	JFS/JFS2	Yes	No	
Asianux	2, 3	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
CentOS	5, 6	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Debian GNU/Linux	4, 5, 6	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
FreeBSD	6.1, 6.2, 6.3, 7.0, 7.1, 7.2, 8.0, 8.1, 8.2, 8.3, 9.0	x86-32	UFS2	No	No	
FreeBSD	6.3, 7.0, 7.1, 7.2, 8.0, 8.1, 8.2, 8.3, 9.0	x86-64	UFS2	No	No	
HP-UX	11.31	IA64	Base JFS or UFS	Yes	Yes	
HP-UX	11.31	IA64	VxFS 5.x	Yes	Yes	
HP-UX	11.11, 11.23, 11.31	PA-RISC	Base JFS or UFS	Yes	No	
HP-UX	11.23, 11.31	PA-RISC	VxFS 5.x	Yes	Yes	
Mac OS X	10.5, 10.6	x86-32	HFS/HFS+	Yes	Yes	Resource forks supported. Extended Attribute support started with NetBackup 7.0.1. HFS compression is not supported when restoring files; data is restored in uncompressed format.

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes
Mac OS X	10.5, 10.6, 10.7, 10.8	x86-64	HFS/HFS+	Yes	Yes	Resource forks supported. Extended Attribute support started with NetBackup 7.0.1. HFS compression is not supported when restoring files; data is restored in uncompressed format.
Mac OS X	10.5	POWER	HFS/HFS+	Yes	Yes	Resource forks supported. Extended Attribute support started with NetBackup 7.0.1
Novell Open Enterprise Server	2	x86-64	Ext2, Ext3, ReiserFS, XFS, NSS, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Novell Open Enterprise Server	11	x86-64	Ext2, Ext3, ReiserFS, XFS, NSS, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Oracle Linux	4, 5, 6	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Red Flag Linux	5	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Red Hat	4, 5, 6	x86-64	Ext2, Ext3, Ext4, XFS, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Red Hat	5, 6	x86-64	GFS2	Yes	No	
Red Hat	4, 5	IA64	Ext2, Ext3	Yes	Yes	
Red Hat	4, 5	POWER	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Red Hat	4, 5, 6	z/Architecture	Ext2, Ext3, ReiserFS, JFS	Yes	Yes	
Solaris	9, 10	SPARC	VxFS, UFS	Yes	Yes	
Solaris	9, 10	x86-64	VxFS, UFS	Yes	Yes	
Solaris	10	SPARC	ZFS [1]	Yes	Yes	
Solaris	10	x86-64	ZFS [1]	Yes	Yes	
Solaris	11 Express	SPARC	UFS, ZFS	Yes	Yes	
Solaris	11 Express	x86-64	UFS, ZFS	Yes	Yes	
Solaris	11	SPARC	UFS, ZFS	Yes	Yes	
Solaris	11	x86-64	UFS, ZFS	Yes	Yes	

OS	Versions	CPU Architecture	File System	ACL	Other Extended Attributes or Named Data Streams	Notes
SUSE SLES	9, 10	IA64	Ext2, Ext3, ReiserFS, XFS, JFS	Yes	Yes	
SUSE SLES	11	IA64	Ext2, Ext3, ReiserFS, XFS	Yes	Yes	
SUSE SLES	9, 10	z/Architecture	Ext2, Ext3, ReiserFS, JFS	Yes	Yes	
SUSE SLES	11	z/Architecture	Ext2, Ext3, ReiserFS	Yes	Yes	
SUSE SLES	9, 10	POWER	Ext2, Ext3, ReiserFS, XFS, NSS, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
SUSE SLES	10, 11	x86-64	Ext2, Ext3, Ext4 ReiserFS, XFS, NSS, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Ubuntu	8.04, 9.04, 9.10, 10.04, 11.10, 12.04, 12.10	x86-64	Ext2, Ext3, VxFS 5.x starting at 5.0 MP4	Yes	Yes	
Windows	2003, 2008, 7, XP, Vista	x86-32	NTFS	Yes	Yes	
Windows	2003, 2008, 7, XP, Vista	x86-64	NTFS	Yes	Yes	
Windows	2003, 2008, XP	IA64	NTFS	Yes	Yes	

1. ZFS filesystem is not supported with MSDP

NetBackup Media Server Encryption Option (MSEO)

Operating system requirements are the same for both MSEO key management server and media server installations.

Media Server OS	CPU Architecture	Minimum NetBackup Level	Minimum MSEO Level
Red Hat 6 (GA)	x86-64	7.1	6.1.6
Red Hat 5 update 2 and all subsequent updates	x86-64	7.0	6.1.3
Red Hat 4 update 4 and all subsequent updates	x86-64	7.0	6.1.3
Solaris 10 and all subsequent updates	SPARC	7.0	6.0
Solaris 10 update 4 and all subsequent updates	x86-64	7.0	6.1.1
SUSE Linux Enterprise Server 11 SP2	x86-64	7.1	6.1.8
SUSE Linux Enterprise Server 11 SP1	x86-64	7.1	6.1.7
SUSE Linux Enterprise Server 10 SP3	x86-64	7.0	6.1.5
SUSE Linux Enterprise Server 10 SP2	x86-64	7.0	6.1.4
Windows 2008 R2 and all subsequent updates	x86-64	7.0	6.1.5
Windows 2008 and all subsequent updates	x86-64	7.0	6.1.2
Windows 2003 R2 and all subsequent updates	x86-64	7.0	6.0
Windows 2003 SP1 and all subsequent updates	x86-64	7.0	6.0
Windows 2003 R2 and all subsequent updates	x86-32	7.0	6.0
Windows 2003 SP1 and all subsequent updates	x86-32	7.0	6.0

NetBackup Administration Consoles

The NetBackup Java Administration Console is an interface to configure and manage NetBackup installed on the same machine. The interface can run on any NetBackup Java-capable system.

The Backup Archive and Restore (BAR) console is an interface to the NetBackup client. The Backup, Archive, and Restore utility performs backups and archives for the system on which it is installed and restores for this system and other clients.

The NetBackup Remote Administration Console (MFC) is a Windows specific interface to configure and manage NetBackup on remote systems. The computer that runs the NetBackup Remote Administration Console does not require master server or media server NetBackup software.

For information on how to install the consoles mentioned above reference the NetBackup Installation Guides. And for information on usage reference the NetBackup Administrator's Guides.

The table below is a list of the platforms that support the NetBackup-Java Administration Console, Backup, Archive and Restore Interface and the NetBackup Remote Administration Console.

OS	CPU Architecture	NetBackup-Java Administration Console	Backup, Archive, and Restore Interface	NetBackup Remote Administration Console
AIX 7.1	POWER	Y	Y	N
AIX 6.1	POWER	Y	Y	N
AIX 5.3	POWER	Y	Y	N
HP-UX 11.31	IA64	Y	Y	N
HP-UX 11.31	PA-RISC	Y [1]	Y [1]	N
HP-UX 11.23	PA-RISC	Y [1]	Y	N
HP-UX 11.11	PA-RISC	N	Y	N
Red Hat 6	x64	Y	Y	N
Red Hat 6	z/Architecture	N	Y	N
Red Hat 5	IA64	N	Y	N
Red Hat 5	x64	Y	Y	N
Red Hat 5	POWER	N	Y	N
Red Hat 5	z/Architecture	N	Y	N
Red Hat 4	IA64	N	Y	N
Red Hat 4	x64	Y	Y	N

OS	CPU Architecture	NetBackup-Java Administration Console	Backup, Archive, and Restore Interface	NetBackup Remote Administration Console
Red Hat 4	POWER	N	Y	N
Red Hat 4	z/Architecture	N	Y	N
Solaris 11	SPARC	Y	Y	N
Solaris 11	x64	Y	Y	N
Solaris 10	SPARC	Y	Y	N
Solaris 10	x64	Y	Y	N
Solaris 9	SPARC	N	Y	N
SUSE Linux Enterprise Server 11	IA64	N	Y	N
SUSE Linux Enterprise Server 11	x64	Y	Y	N
SUSE Linux Enterprise Server 11	z/Architecture	N	Y	N
SUSE Linux Enterprise Server 10 SP2 and later	IA64	N	Y	N
SUSE Linux Enterprise Server 10 SP2 and later	x64	Y	Y	N
SUSE Linux Enterprise Server 10 SP2 and later	POWER	N	Y	N
SUSE Linux Enterprise Server 10 SP2 and later	z/Architecture	N	Y	N
SUSE Linux Enterprise Server 9	IA64	N	Y	N
SUSE Linux Enterprise Server 9	POWER	N	Y	N
SUSE Linux Enterprise Server 9	z/Architecture	N	Y	N
Windows Server 2008 R2	x64	Y	Y	Y
Windows Server 2008 R2	IA64	N	Y	Y
Windows Server 2008	x86	Y	Y	Y
Windows Server 2008	x64	Y	Y	Y

OS	CPU Architecture	NetBackup-Java Administration Console	Backup, Archive, and Restore Interface	NetBackup Remote Administration Console
Windows Server 2008	IA64	N	Y	Y
Windows Server 2003 R2	x86	Y	Y	Y
Windows Server 2003 R2	x64	Y	Y	Y
Windows Server 2003 R2	IA64	N	Y	Y
Windows Server 2003	x86	Y	Y	Y
Windows Server 2003	x64	Y	Y	Y
Windows Server 2003	IA64	N	Y	Y
Windows 7	x86	Y [2]	Y	Y
Windows 7	x64	Y [2]	Y	Y
Windows Vista	x86	Y	Y	Y
Windows Vista	x64	Y	Y	Y
Windows XP	x86	Y	Y	Y
Windows XP	x64	Y	Y	Y
Windows XP	IA64	Y	Y	Y

1. The NetBackup-Java Administration Console is not supported with this Operating System on this CPU Architecture at the next minor release following NetBackup 7.5. However, support for this Console can change if the market position or vendor support changes.

2. Reference Article; TECH63372 Windows 7 Java Console Disappearing <http://www.symantec.com/docs/TECH63372> for further details.

OpsCenter Backup or Archiving Product Support

There are two OpsCenter products: Symantec OpsCenter and Symantec OpsCenter Analytics.

OpsCenter does not require any license and is included with the NetBackup Enterprise Server and Server products. OpsCenter provides single deployment configuration and user interface for monitoring, alerting, and reporting functionality. It provides monitoring, management and administration capabilities for NetBackup as well as operational reporting for other products as designated in the following table.

OpsCenter Analytics is the licensed version of OpsCenter. In addition to the features available in the unlicensed OpsCenter version, Analytics offers report customization, chargeback reporting and support for third-party data protection products as designated in the following table. The primary objectives of this product are to help organizations assess their compliance with business standards, e.g., service level agreements, and assist in effective business planning, e.g., future backup requirements via backup trend analysis.

Listed in the table below are the backup and archiving products and versions supported by OpsCenter and OpsCenter Analytics.

Backup or Archiving Product	Version	Support Level	Analytics License Required
Symantec NetBackup	6.0 MP7 and higher versions, 6.5 and higher versions, 7.0 and higher versions	All supported NetBackup platforms (except NetBackup 7.0 and greater versions) by Remote Agent. Native OpsCenter agent for Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2) and Solaris SPARC 9 and 10. Note: NetBackup 7.0 and greater versions do require OpsCenter Agent for Capacity Licensing and Breakup Jobs data collection.	No
Symantec NetBackup Appliance	Appliance 2.0 Master Servers Appliance 1.2 and 2.0 media servers that are attached to an Appliance 2.0 master server or to a regular NetBackup 7.5 master server.	Data collection happens automatically by NBSL	No
Symantec NetBackup PureDisk	6.2, 6.2.2, 6.5, 6.5.1, 6.5.1.2, 6.6, 6.6.0.1, 6.6.0.2, 6.6.0.3, 6.6.1, 6.6.1.2, 6.6.3a	PureDisk supported platform (PDOS) by the OpsCenter integrated Agent. You do not need a separate Agent to collect data from PureDisk. You can use the inbuilt Agent of the OpsCenter Server for data collection. To create or configure the data collector, select the Agent that is installed as Integrated Agent.	No
Symantec Backup Exec [1]	11d, 12.0, 12.5, 2010, 2010 R2, 2010 R3	All supported Backup Exec platforms by Remote Agent. Native agent on backup servers on Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2). Data collection is possible only with a licensed version of OpsCenter. NOTE: Starting in NetBackup 7.1 OpsCenter supports data collection from Backup Exec software installed on a 64-bit Windows machine.	No

Backup or Archiving Product	Version	Support Level	Analytics License Required
Symantec Enterprise Vault [2]	7.5, 8.0, 9.0 10.0	All supported Enterprise Vault platforms by Remote Agent. Native agent on Microsoft SQL Server 2005 or 2008 (where Enterprise Vault database resides) on Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2).	No
EMC Legato NetWorker [2]	7.3	Native agent on backup servers on Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2), Solaris 9 and 10.	Yes
IBM Tivoli Storage Manager [2]	5.3, 5.4, 5.5	All supported TSM platforms by Remote Agent. Native agent on backup servers on Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2), Solaris 9 and 10.	Yes

1. This Backup or Archiving Product is not supported at the next major release following NetBackup 7.0. However, support for this Backup or Archiving Product can change if the market position or vendor support changes.

2. This Backup or Archiving Product is not supported at the next minor release following NetBackup 7.5. However, support for this Backup or Archiving Product can change if the market position or vendor support changes.

OpsCenter Operating System Requirements

OpsCenter Analytics has the same Operating System requirements as OpsCenter.

OpsCenter components are not supported on Windows or Linux Operating Systems installed on IA64 CPU architecture.

Check the Operating Systems server table for the exact version of NetBackup in which OpsCenter server support started.

VERITAS Cluster Support for OpsCenter 7.1 Server and OpsCenter 7.5 Server in cluster mode:
VCS versions 4.3, 5.0 MP3 and 5.1 on Solaris
VCS versions 4.2 RP2, 5.1 and 5.1 SP1 on Windows

Note: OpsCenter Agent and OpsCenter View Builder installations are not supported in a cluster environment.

OS	CPU Architecture	OpsCenter Server 32-bit	OpsCenter Server 64-bit	OpsCenter Agent 32-bit	OpsCenter Agent 64-bit	OpsCenter View Builder 32-bit	OpsCenter View Builder 64-bit
AIX 7.1	POWER	No	Yes [1]	No	No	No	No
AIX 6.1	POWER	No	Yes [1]	No	No	No	No
AIX 5.3	POWER	No	Yes [1]	No	No	No	No
HP-UX 11.31	IA64	No	Yes [1]	No	No	No	No
Red Hat Enterprise Linux 6	x86-64	No	Yes	No	No	No	No
Red Hat Enterprise Linux 5	x86-64	No	Yes	No	No	No	No
Red Hat Enterprise Linux 4	x86-64	No	Yes	No	No	No	No
Solaris 10	SPARC	No	Yes	No	Yes	No	No
Solaris 10	x86-64	No	Yes	No	No	No	No
Solaris 9	SPARC	No	No	No	Yes	No	No
SUSE Linux Enterprise Server 11	x86-64	No	Yes	No	No	No	No
SUSE Linux Enterprise Server 10 [2]	x86-64	No	Yes	No	No	No	No

OS	CPU Architecture	OpsCenter Server 32-bit	OpsCenter Server 64-bit	OpsCenter Agent 32-bit	OpsCenter Agent 64-bit	OpsCenter View Builder 32-bit	OpsCenter View Builder 64-bit
Windows 2008 R2	x86-64	No	Yes	No	Yes	No	Yes
Windows 2008	x86-64	Yes	Yes	Yes	Yes	Yes	Yes
Windows 2003 R2	x86-32	Yes	No	Yes	No	Yes	No
Windows 2003 R2	x86-64	Yes	Yes	Yes	Yes	Yes	Yes
Windows 2003 SP2	x86-64	Yes	Yes	Yes	Yes	Yes	Yes
Windows 2003 SP1	x86-32	Yes	No	Yes	No	Yes	No

1. OpsCenter Server on this Operating System on this CPU Architecture is not supported at the next minor release following NetBackup 7.5. However, support for this Operating System can change if the market position or vendor support changes.

2. SP2 and forward

OpsCenter Web Browser Requirements

Web Browser	Versions	Notes
Microsoft Internet Explorer	7.x, 8.x, 9.0	IE 7.x and later may display a security certificate warning page when you access OpsCenter. Reference "Disabling security certificate warnings permanently from browsers" instructions in the Symantec OpsCenter Administrator's Guide.
Mozilla Firefox	3.0, 3.5.x, 3.6.x, 9.0.1 and above	Mozilla Firefox may display an Untrusted Connection page when you access OpsCenter. Reference "Disabling the Untrusted Connection page in Mozilla Firefox" instructions in the Symantec OpsCenter Administrator's Guide.

SAN Media Server/SAN Client/FT Media Server

Unless otherwise noted the minimum NetBackup level for SAN Client support is NetBackup 6.5 GA.

SAN style backups via SAN Media Server

SAN media servers are NetBackup media servers that back up their own data. SAN media servers cannot back up data that resides on other clients. SAN media servers are useful for certain situations. For example, a SAN media server is useful if the data volume consumes so much network bandwidth that it affects your network negatively.

* Enables LAN-free data protection with high performance access to shared resources
* Can share tape resources with NetBackup Master and Media Servers
* Can only back itself up, not other clients
* Software is installed stand alone on each cluster node and linked to the virtual host via an application cluster
* When you define a backup policy for a SAN media server, add only the SAN media server as the client.
* The NetBackup Shared Storage Option is able to use NetBackup SAN media servers.

There is no platform restriction regarding SAN Media Servers - any Media Server can be a SAN Media Server. The only difference is in the license authentication mechanism. Application and DB Agents are supported with the SAN Media Server.

SAN style backups via SAN Client

A NetBackup SAN client is a NetBackup client on which the Fibre Transport service is activated. The SAN client is similar to the SAN media server that is used for the Shared Storage Option; it backs up its own data. However, the SAN client is based on the smaller NetBackup client installation package, so it has fewer administration requirements and uses fewer system resources.

* It connects to a NetBackup media server over Fibre Channel.
* The NetBackup SAN Client Fibre Transport Service manages the connectivity and the data transfers for the FT pipe on the SAN clients. The SAN client FT service also discovers FT target mode devices on the NetBackup media servers and notifies the FT Service Manager about them.
* Requires SAN connectivity with a Media Server running Fibre Transport Services (reference additional information below in regards to the FT Media Server).
* SAN client does not support the following types of backup:

- MS SharePoint
- Enterprise Vault
- Exchange DAG or CCR backups through a passive node of an Exchange cluster
- All other Application and DB Agents are supported with the SAN Client.

Note: SAN client does support the use of FlashBackup but all restores from FlashBackup backups will use the LAN connection, not the SAN connection.

SAN client and NetBackup Deduplication

SAN Client is a NetBackup optional feature that provides high speed backups and restores of NetBackup clients. Fibre Transport is the name of the NetBackup high-speed data transport method that is part of the SAN Client feature. The backup and restore traffic occurs over a SAN.

SAN clients can be used with the deduplication option; however, the deduplication must occur on the media server, not the client. Configure the media server to be both a deduplication storage server (or load balancing server) and an FT media server. The SAN client backups are then sent over the SAN to the deduplication server/FT media server host. At that media server, the backup stream is deduplicated.

Do not enable client deduplication on SAN Clients. The data processing for deduplication is incompatible with the high-speed transport method of Fibre Transport. Client-side deduplication relies on two-way communication over the LAN with the media server. A SAN client streams the data to the FT media server at a high rate over the SAN.

FT Media Server

A NetBackup FT media server is a NetBackup media server on which the Fibre Transport services are activated. NetBackup FT media servers accept connections from SAN clients and send data to the disk storage. The host bus adapters (HBAs) that accept connections from the SAN clients use a special NetBackup target mode driver to process FT traffic. The media server FT service controls data flow, processes SCSI commands, and manages data buffers for the server side of the FT pipe. It also manages the target mode driver for the host bus adaptors.

Reference the HCL document Fibre Transport Media Server HBAs section for supported Operating Systems and HBAs. <http://www.symantec.com/docs/TECH76495>

NetBackup Search

NetBackup Search provides a mechanism to index the file system metadata that is associated with backup images. That makes searching for relevant information simple, powerful, and fast. Once information is found, the user can take actions based on that information. NetBackup Search provides a robust legal hold mechanism which ensures that images relevant to a legal case are not inadvertently deleted or allowed to expire based on retention levels.

Note: NetBackup Search is a licensable feature.

The following capabilities are a part of this feature:
* Advanced search capabilities enable you to find relevant information faster with the following advanced search capabilities:
* Save and edit search queries for legal traceability.
* Robust solution for legal hold management.
* Legal holds provide a mechanism to override existing retention levels to ensure that the backup images (and associated media) are retained until the legal proceeding is complete.
* Hold reports in OpsCenter provide insight into size of legal hold and length of time of the associated holds.

The following deployment scenarios are supported for NetBackup Search in the NetBackup 7.5 release:
* Indexing server: The NetBackup indexing server must be installed on a NetBackup media server. The indexing server is supported only on Windows 2008 R2 (x86-64) systems.
* Search user interface: The NetBackup Search user interface (UI) is installed as part of Symantec OpsCenter 7.5. No separate installation is needed.
* Holds management: The NetBackup holds management software is installed as part of a NetBackup 7.5 master server. No separate installation is needed.
* Clustered environments: You can run NetBackup Search in a NetBackup or OpsCenter clustered environment by adding the node names in bp.conf on UNIX or on the Windows registry.

Reference the NetBackup Administrator's Search Guide for additional information <http://www.symantec.com/docs/DOC5150.>

Virtual Systems Compatibility

This Statement of Support for NetBackup in a Virtual Environment document describes the extent of support for NetBackup within a virtual environment. Ideally, every NetBackup configuration supported in a traditional physical environment would also be supported in any virtual environment without qualification. While that is our mission, it is not always possible.
Therefore, the purpose of this document is to:
* Clarify differences between NetBackup support in physical vs. virtual environments
* Describe general guidelines for support in virtual environments
* Describe impact upon specific NetBackup components: clients, servers, options, etc.
* Provide references to related information

Virtual Systems Compatibility - Reference Article: TECH127089 Statement of Support for NetBackup in a Virtual Environment: <http://www.symantec.com/docs/TECH127089>

Operating Systems No Longer Supported by NetBackup

"NetBackup 6.0/6.5 Back Level Support"

NetBackup 6.0/6.5.x clients and media servers are supported with NetBackup 7.x master servers. Reference Article: TECH70729 <http://www.symantec.com/docs/TECH70729> for NetBackup 6.x OS Software Compatibility List. Reference Article: TECH76770 the Additional Operational Notes <http://www.symantec.com/docs/TECH76770> for more detail.

In the NetBackup 7.0 release we have dropped support for 32-bit binaries on Unix and Linux platforms unless otherwise noted in this compatibility list. The table below contains information that pertains to the OS versions that have been dropped in NetBackup 7.0.

In the NetBackup 7.5 release we have dropped support for specific OS Versions/Architectures. The updated table below contains information that pertains to what has been dropped in NetBackup 7.5.

OS/Version	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
AIX 5.2	POWER	64	Client, Master and Media Server	6.5.x
AIX 5.1	POWER	64	Client, Master and Media Server	6.5.x
Asianux 3	x86-32	32	Client, Master and Media Server	6.5.x
Asianux 2	x86-64	64	Client, Master and Media Server	7.1.x
Canonical Ubuntu 8.04	x86-32	32	Client	6.5.x
Canonical Ubuntu 8.04	x86-64	64	Client	7.1.x
CentOS 5	x86-32	32	Client	6.5.x
Debian GNU/Linux 5	x86-32	32	Client	6.5.x
Debian GNU/Linux 4	x86-32	32	Client	6.5.x
Debian GNU/Linux 4	x86-64	64	Client	7.1.x
FreeBSD 6.0	x86-32	32	Client	6.5.x
FreeBSD 5.4	x86-32	32	Client	6.5.x
FreeBSD 5.3	x86-32	32	Client	6.5.x
HP-UX 11.23	IA64	64	Client, Master and Media Server	6.5.x
HP-UX 11.0	PA-RISC	64	Client, Master and Media Server	6.5.x
IRIX 6.5.32 and above	MIPS	64	Client	6.5.x
Mac OS X 10.5	POWER	32	Client	7.1.x

OS/Version	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
Mac OS X 10.5	x86-32	32	Client	7.1.x
Mac OS X 10.5	x86-64	64	Client	7.1.x
Mac OS X 10.4	POWER	32	Client	6.5.x
Mac OS X 10.4	x86-64	64	Client	6.5.x
Mac OS X 10.3	POWER	32	Client	6.5.x
Tru64 5.1B+	Alpha	64	Client, Master and Media Server	6.5.x
NetWare 6.5	x86-32	32	Client	7.1.x
NetWare 6.0	x86-32	32	Client and Media Server	6.5.x
NetWare 5.1	x86-32	32	Client	6.5.x
Open Enterprise Server (Linux) 1	x86-32	32	Client and Media Server	6.5.x
Oracle Linux 4	x86-64	64	Client, Master and Media Server	7.1.x
Red Flag Linux 4	x86-32	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 4	IA64	64	Master and Media Server	6.5.x
Red Hat Enterprise Linux 4	IA64	64	Client	7.1.x
Red Hat Enterprise Linux 4	x86-64	64	Client, Master and Media Server	7.1.x
Red Hat Enterprise Linux 4	z/Architecture	64	Client	7.1.x
Red Hat Enterprise Linux 3	x86-32	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3	x86-64	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3	x86-64	64	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3	IA64	64	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3	z/Architecture	32	Client	6.5.x
Red Hat Enterprise Linux 2	x86-32	32	Client, Master and Media Server	6.5.x
Solaris 11 Express	SPARC	64	Client	7.5.0.3
Solaris 11 Express	x86-64	64	Client	7.5.0.3
Solaris 10 x86	x86-32	32	Client	6.5.x
Solaris 10 x86	x86-64	32	Client	6.5.x
Solaris 9.0	SPARC	32	Master and Media Server	6.5.x
Solaris 9.0	x86-32	32	Client	6.5.x

OS/Version	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
Solaris 9.0	x86-64	32	Client	6.5.x
Solaris 8.0	SPARC	64	Client, Master and Media Server	6.5.x
Solaris 8.0	x86-32	32	Client, Master and Media Server	6.5.x
SUSE Linux Desktop 9	x86-32	32	Client	6.5.x
SUSE Linux Enterprise Server 9	x86-32	32	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 9	x86-64	32	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 9	x86-64	64	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 9	IA64	64	Client	7.1.x
SUSE Linux Enterprise Server 9	z/Architecture	64	Client	7.1.x
SUSE Linux Enterprise Server 8	x86-32	32	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 8	x86-64	32	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 8	x86-64	64	Client, Master and Media Server	6.5.x
SUSE Linux Enterprise Server 8	IA64	64	Client, Master and Media Server	6.5.x
Windows 2008	IA64	64	Client	7.1.x
Windows 2003 R2	IA64	64	Client	7.1.x
Windows 2003 SP1	IA64	64	Client	7.1.x
Windows 2000 NAS	x86-32	32	Client and Media Server	6.5.x
Windows 2000 SP4	x86-32	32	Client, Master and Media Server	6.5.x
Windows 2000 SP4	x86-64	64	Client, Master and Media Server	6.5.x
Windows XP Professional SP2	IA64	64	Client	7.1.x