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

Created on July 25, 2011

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 MSEO (Media Server Encryption Option). It is divided into bookmarks on the left that can be expanded.

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

Release History

NetBackup Version	Description	Release Date
7.0	NetBackup 7.0 FA	January, 2010
7.0	NetBackup 7.0 GA	February, 2010
7.0.1	NetBackup 7.0.1 FA	July, 2010
7.0.1	NetBackup 7.0.1 GA	August, 2010
7.1	NetBackup 7.1 FA	February, 2011
7.1	NetBackup 7.1 GA	March, 2011

7.x OS Software Compatibility List Updates

Update Information

Description of Change	Date	NetBackup Version Start of Support
Removed Client and Media Server Deduplication support on SUSE Enterprise Linux Server 1l until Technote Article is published	2011-07-15	NetBackup 7.1
Added Client and Media Server Deduplication support on SUSE Enterprise Linux Server 1l	2011-07-15	NetBackup 7.1
Added OpsCenter 7.1 support on Backup Exec 2010 R3	2011-05-26	NetBackup 7.1
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 (x64)	2011-03-10	NetBackup 7.0.1
Added Client support on Solaris 11 Express (SPARC)	2011-03-10	NetBackup 7.0.1
Added Server support on AIX 7.1 (POWER)	2011-02-01	NetBackup 7.1
Added Server support on Red Hat Enterprise Linux 6.x (x64).	2011-02-01	NetBackup 7.1
Added Media Server and Client Deduplication support on Red Hat Enterprise Linux 6.x (x64).	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 Unbreakable Linux Kernal OEL 5 Update 5 (x64) via footnote.	2011-02-01	NetBackup 7.1
Added Client support on Red Hat Enterprise Linux 6.x (x64).	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.x 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.x 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

Update Information

Description of Change	Date	NetBackup Version Start of Support
Added Oracle Enterprise Linux 4 and Oracle Enterprise 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 Enterprise Linux 4 and Oracle Enterprise 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
Added BMR Server support on Oracle Enterprise Linux 4 and Oracle Enterprise 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.x.	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 will be identified in the tables below. Otherwise, it is likely that 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. 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 except as 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 including technical notes regarding currently Symantec -supported configurations (such as operating system/levels, firmware levels, databases, devices, device drivers, applications, etc.), please refer to our 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.

Contents

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 10.5 [1]	POWER [2]	32	Y	32				7.0
Mac OS X 10.5 [1]	x86-32	32	Y	32				7.0
Mac OS X 10.5 [1]	x86-64	64	Y	32				7.0
Mac OS X 10.6	x86-32	32	Y	32				7.0
Mac OS X 10.6	x86-64	64	Y	32				7.0

1. The next release that follows NetBackup 7.1 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. CPU Architecture POWER represents POWER PC

Asianux Consortium Asianux

Asianux 2.0 support is based on the NetBackup Red Hat Enterprise Linux 4.x client and server support.

Asianux 3.0 support is based on the NetBackup Red Hat Enterprise Linux 5.x client and server support.

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 2.0 (x86-64)	x86-64	64	Y	64		Y		7.0
Asianux 3.0 (x86-64)	x86-64	64	Y	64		Y		7.0

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 2.0 (x86-64)	x86-64	64	Y	Y	64		Y			Y	7.0
Asianux 3.0 (x86-64)	x86-64	64	Y	Y	64		Y			Y	7.0

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 8.04 [1]	x86-64	64	Y	64				7.0
Ubuntu 8.04 [.1] [1]	x86-64	64	Y	64				7.0
Ubuntu 9.04 [1]	x86-64	64	Y	64				7.0
Ubuntu 9.10	x86-64	64	Y	64				7.0
Ubuntu 10.04 [1]	x86-64	64	Y	64				7.0

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

CentOS

The NetBackup Client support for CentOS is dependent on CentOS's binary compatibility with Red Hat. CentOS distributions conform with Red Hat distributions. NetBackup provides client support of CentOS on the same corresponding versions of Red Hat Enterprise Linux beginning with Red Hat 5.2 forward.

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 5.2 [1]	x86-64	64	Y	64			Y	7.0
CentOS 5.3 [1]	x86-64	64	Y	64			Y	7.0

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

Debian GNU/Linux

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 4.0 (x86-64) [1]	x86-64	64	Y	64				7.0
GNU/Linux 5.0 (x86-64) [1]	x86-64	64	Y	64				7.0

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

FreeBSD

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 6.1 [1]	x86-32	32	Y	32				7.0
FreeBSD 6.2 [1]	x86-32	32	Y	32				7.0
FreeBSD 6.3 [1] [2]	x86-32	32	Y	32				7.0
FreeBSD 6.3 [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 7.1 [2] [3]	x86-32	32	Y	32				7.0
FreeBSD 7.1 [2] [3]	x86-64	64	Y	32				7.0
FreeBSD 7.2 [2] [3]	x86-32	32	Y	32				7.0
FreeBSD 7.2 [2] [3]	x86-64	64	Y	32				7.0
FreeBSD 8.0 [2] [3]	x86-32	32	Y	32				7.0
FreeBSD 8.0 [2] [3]	x86-64	64	Y	32				7.0
FreeBSD 8.1 [2] [3]	x86-32	32	Y	32				7.0
FreeBSD 8.1 [2] [3]	x86-64	64	Y	32				7.0

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

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

3. FreeBSD compat 6x-I386 libraries are required for support of this version of the OS.

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 11.11 [1]	PA-RISC	64	Y	64	Y	Y	Y	7.0
HP-UX 11.23 PA-RISC [1]	PA-RISC	64	Y	64		Y	Y	7.0
HP-UX 11.31 IA64	IA64	64	Y	64	Y [2]	Y	Y	7.0
HP-UX 11.31 PA-RISC [1]	PA-RISC	64	Y	64		Y	Y	7.0

1. This Operating System on this CPU Architecture is not supported at the next major release. 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.

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 11.11 [1]	PA-RISC	64		Y	64		Y			Y	7.0
HP-UX 11.23 PA-RISC [1]	PA-RISC	64		Y	64		Y			Y	7.0
HP-UX 11.31 IA64	IA64	64	Y	Y [2]	64	Y	Y	Y	Y	Y	7.0
HP-UX 11.31 PA-RISC [1]	PA-RISC	64		Y [2]	64		Y			Y	7.0

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

2. 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.

HP OpenVMS

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 5.5 [1]	VAX	32	Y [2]	32				7.0
OpenVMS 6.1 [1]	Alpha	64	Y [2]	64				7.0
OpenVMS 6.2 [1]	Alpha	64	Y [2]	64				7.0
OpenVMS 6.2 [1]	VAX	32	Y [2]	32				7.0
OpenVMS 7.3 [1]	Alpha	64	Y [2]	64				7.0
OpenVMS 7.3 [1]	VAX	32	Y [2]	32				7.0
OpenVMS 8.2 [1]	Alpha	64	Y [2]	64				7.0
OpenVMS 8.2 [1]	IA64	64	Y [2]	64				7.0
OpenVMS 8.3 [1]	Alpha	64	Y [2]	64				7.0
OpenVMS 8.3 [1]	IA64	64	Y [2]	64				7.0
OpenVMS 8.4 [1]	Alpha	64	Y [2]	64				7.1
OpenVMS 8.4 [1]	IA64	64	Y [2]	64				7.1

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

2. Does not support client encryption.

IBM AIX

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 5.3 [1] [2]	POWER [3]	64	Y	64	Y	Y	Y	7.0
AIX 6.1	POWER [3]	64	Y	64	Y [4]	Y	Y	7.0
AIX 7.1	POWER [3]	64	Y	64		Y		7.0

1. NetBackup 7.x requires the AIX 5.3 TL7 SP5 (5300-07-05-0831) Maintenance Pack as a minimum. (Higher patch levels should also work).

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

3. 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 >

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

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 5.3 [1] [2]	POWER [3]	64	Y	Y	64	Y	Y	Y [4]	Y [5]	Y	7.0
AIX 6.1	POWER [3]	64	Y	Y [6]	64	Y	Y	Y [4]	Y [5]	Y	7.0
AIX 7.1	POWER [3]	64		Y [6]	64		Y			Y	7.1

1. NetBackup 7.x requires the AIX 5.3 TL7 SP5 (5300-07-05-0831) Maintenance Pack as a minimum. (Higher patch levels should also work).

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

3. 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 >

4. OpsCenter Server support began in NetBackup 7.0.1.

5. OpsCenter Managed Server support began in NetBackup 7.0.1.

6. Jobs that use Granular Recovery Technology are not supported on this Media Server platform.

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 not explicitly qualified and 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 Enterprise Edition (IA64) R2 [1]	IA64	64	Y	64		Y	Y	7.0
Windows Server 2003 Enterprise Edition (IA64) SP1 [1]	IA64	64	Y	64		Y	Y	7.0
Windows Server 2003 Enterprise Edition (x64) R2	x86-64	64	Y	64	Y [2] [3]	Y	Y	7.0
Windows Server 2003 Enterprise Edition (x64) SP1 [4]	x86-64	64	Y	64	Y [2] [3]	Y	Y	7.0
Windows Server 2003 Enterprise Edition R2	x86-32	32	Y	32	Y [2] [3]	Y	Y	7.0
Windows Server 2003 Enterprise Edition SP1	x86-32	32	Y	32	Y [2] [3]	Y	Y	7.0

1. The next release that follows NetBackup 7.1 does not support this Operating System on this CPU Architecture. However, NetBackup 7.0, 7.0.1 and 7.1 will support this Operating System, CPU Architecture, and associated components through the life of Windows Server 2008.

2. BMR Client will support Storage Foundation for Windows 5.x in a future release.

3. BMR support does not include Windows 2003 Datacenter version.

4. Windows Server Enterprise Edition (x64) is supported on SP1 and forward.

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 Enterprise Edition (x64) R2	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Windows Server 2003 Enterprise Edition (x64) SP1 [1]	x86-64	64	Y	Y [2]	64	Y [3]	Y	Y	Y	Y	7.0
Windows Server 2003 Enterprise Edition R2	x86-32	32	Y	Y	32	Y [3]	Y	Y	Y	Y	7.0
Windows Server 2003 Enterprise Edition SP1	x86-32	32	Y	Y [2]	32	Y	Y	Y	Y	Y	7.0

1. Windows Server Enterprise Edition (x64) is supported on SP1 and forward.

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

3. BMR support does not include Windows 2003 Datacenter version.

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 not explicitly qualified and 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 Core	x86-32	32	Y	32	Y [1]	Y	Y	7.0
Windows Server 2008 Core	x86-64	64	Y	64	Y [1]	Y	Y	7.0
Windows Server 2008 Core R2	x86-64	64	Y	64	Y [1]	Y	Y	7.0
Windows Server 2008 Enterprise Edition	x86-32	32	Y	32	Y [1]	Y	Y	7.0
Windows Server 2008 Enterprise Edition	x86-64	64	Y	64	Y [1]	Y	Y	7.0
Windows Server 2008 Enterprise Edition R2	x86-64	64	Y	64	Y [1]	Y	Y	7.0
Windows Server 2008 for Itanium-based Systems [2]	IA64	64	Y	64		Y	Y	7.0

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

2. The next release that follows NetBackup 7.1 does not support this Operating System on this CPU Architecture. However, NetBackup 7.0, 7.0.1 and 7.1 will support

this Operating System, CPU Architecture, and associated components through the life of Windows Server 2008.

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 Enterprise Edition	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Windows Server 2008 Enterprise Edition 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 (x64) SP2	x86-64	64	Y [1] [2]	64	Y	Y		7.0
Windows XP Professional SP2	IA64	64	Y	64		Y		7.0
Windows XP Professional SP2	x86-32	32	Y [1] [2]	32	Y	Y		7.0

1. NetBackup 7.x does not support Open File Backup on this platform. It is supported in NetBackup 6.x.

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

Novell NetWare

Novell NetWare - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	BMR Client/Boot Server	NBAC	SAN Client	Minimum NetBackup 7.X Level
NetWare 6.5	x86-32	32	Y [1] [2]	32				7.0

1. Does not support client encryption.

2. Supported via NetBackup 6.x Client

Novell Open Enterprise Server (Linux)

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) 2 [1]	x86-64	64	Y	64		Y		7.0

1. Supported on SUSE Linux Enterprise Server 10 SP1

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) 2 [1]	x86-64	64	Y	Y	64		Y				7.0

1. Supported on SUSE Linux Enterprise Server 10 SP1

Novell SUSE Linux Enterprise Server

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 9 (IA64) [1]	IA64	64	Y	64		Y		7.0
SUSE Linux Enterprise Server 9 (POWER) [1]	POWER	64	Y	64				7.0
SUSE Linux Enterprise Server 9	z/Architecture [2]	64	Y	64				7.0
SUSE Linux Enterprise Server 10 (IA64) [3]	IA64	64	Y	64		Y	Y	7.0
SUSE Linux Enterprise Server 10 (POWER) [1] [3]	POWER	64	Y	64				7.0
SUSE Linux Enterprise Server 10 (x86-64) [3]	x86-64	64	Y	64	Y [4]	Y	Y	7.0
SUSE Linux Enterprise Server 10 [3]	z/Architecture	64	Y	64		Y [5]		7.0
SUSE Linux Enterprise Server 11 (IA64)	IA64	64	Y	64		Y	Y	7.0
SUSE Linux Enterprise Server 11 (x86-64)	x86-64	64	Y	64	Y [4]	Y	Y	7.0
SUSE Linux Enterprise Server 11	z/Architecture	64	Y	64				7.0

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

2. The next release that follows NetBackup 7.1 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. Supported from SP1 forward.

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

5. NBAC support began in NetBackup 7.0.1.

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 10 (x86-64) [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
SUSE Linux Enterprise Server 10 [1]	z/Architecture	64		Y	64		Y				7.0.1
SUSE Linux Enterprise Server 11 (x86-64)	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0

1. Supported from SP1 forward.

Oracle Enterprise Linux

Oracle 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 4	x86-64	64	Y	64	Y [1]	Y		7.0
Enterprise Linux 5	x86-64	64	Y [2]	64	Y [1]	Y		7.0

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

2. Starting in NetBackup 7.0.1 the NetBackup Client is supported on the Oracle Unbreakable Linux Kernel. (This does not include BMR, NBAC or SAN Client support) The Unbreakable Enterprise Kernel installs directly on top of Oracle Enterprise Linux 5 starting with Update 5.

Oracle 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 4	x86-64	64	Y	Y	64	Y [1]	Y	Y	Y	Y	7.0
Enterprise Linux 5	x86-64	64	Y	Y	64	Y [1]	Y	Y	Y	Y	7.0

1. BMR Server support began in NetBackup 7.0.1.

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 9.0	SPARC	64	Y	64	Y [1]	Y	Y	7.0
Solaris 10 SPARC	SPARC	64	Y	64	Y [1] [2]	Y	Y	7.0
Solaris 10 x64	x86-64	64	Y	64	Y [1] [2]	Y	Y	7.0
Solaris 11 Express	SPARC [3]	64	Y	64				7.0.1
Solaris 11 Express	x86-64 [4]	64	Y	64				7.0.1

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

2. 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.

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

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

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 10 SPARC	SPARC	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Solaris 10 x64	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0

Red Flag Linux

Red Flag Linux 5.x support is based on NetBackup Red Hat Enterprise Linux 5.x client and server support.

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 5.0 DC	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 5.0 DC	x86-64	64	Y	Y	64		Y				7.0

Red Hat Enterprise Linux

NetBackup Client is supported on the following Red Hat releases:
Red Hat Enterprise Linux 4.0 AS, ES, WS and Red Hat Desktop (64-bit, IA64)
Red Hat Enterprise Linux 5.x Advanced, Base and Desktop (64-bit, IA64) Supported on all vendor GA updates unless stated otherwise in the tables below. BMR Client/Boot Server is not supported on Red Hat Enterprise Linux Desktop (sometimes referred to as Client).
Red Hat Enterprise Linux 6.x Advanced and Base (64-bit) Supported on all vendor GA updates unless stated otherwise in the tables below.

NetBackup Server is supported on the following Red Hat releases:
Red Hat Enterprise Linux 4.0 AS and ES, (64-bit)
Red Hat Enterprise Linux 5.x Advanced and Base (64-bit) Supported on all vendor GA updates unless stated otherwise in the tables below.
Red Hat Enterprise Linux 6.x Advanced and Base (64-bit) Supported on all vendor GA updates 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 4.0 (AS) (IA64) [1]	IA64	64	Y	64		Y		7.0
Enterprise Linux 4.0 (AS) (POWER) [1]	POWER	64	Y	64				7.0
Enterprise Linux 4.0 (AS) (x86-64) [2]	x86-64	64	Y	64	Y	Y		7.0
Enterprise Linux 4.0 (AS)	z/Architecture [3]	64	Y	64				7.0
Enterprise Linux 4.0 (WS) (x86-64) [2]	x86-64	64	Y	64				7.0
Enterprise Linux 5.0 (Advanced) (x86-64) [4]	x86-64	64	Y	64	Y	Y	Y	7.0
Enterprise Linux 5.0 (base) (IA64) [4]	IA64	64	Y	64		Y	Y	7.0
Enterprise Linux 5.0 (base) (POWER) [1]	POWER	64	Y	64				7.0
Enterprise Linux 5.0 (base) (x86-64) [4]	x86-64	64	Y	64	Y	Y	Y	7.0

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 5.0 (base) [4]	z/Architecture	64	Y	64		Y [5]		7.0
Enterprise Linux 6.0 (Advanced) (x86-64) [6]	x86-64	64	Y	64		Y		7.0
Enterprise Linux 6.0 (base) (x86-64) [6]	x86-64	64	Y	64		Y		7.0

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

2. The next release that follows NetBackup 7.1 does not support this Operating System on the CPU Architecture.

3. The next release that follows NetBackup 7.1 will 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.

4. Red Hat Enterprise Linux 5 Advanced and Base are supported on all vendor GA updates (such as 5.1, 5.2, etc.) unless otherwise stated.

5. NBAC support began in NetBackup 7.0.1.

6. Red Hat Enterprise Linux 6 Advanced and Base are supported on all vendor GA updates (such as 6.1, etc.) unless otherwise stated.

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 4.0 (AS) (x86-64) [1]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Enterprise Linux 5.0 (Advanced) (x86-64) [2]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Enterprise Linux 5.0 (base) (x86-64) [2]	x86-64	64	Y	Y	64	Y	Y	Y	Y	Y	7.0
Enterprise Linux 5.0 (base) [2]	z/Architecture	64		Y	64		Y				7.0.1
Enterprise Linux 6.0 (Advanced) (x86-64) [3]	x86-64	64	Y	Y [4]	64	Y	Y			Y	7.1
Enterprise Linux 6.0 (base) (x86-64) [3]	x86-64	64	Y	Y [4]	64	Y	Y			Y	7.1

1. The next release that follows NetBackup 7.1 does not support this Operating System on the CPU Architecture.

2. Red Hat Enterprise Linux 5 Advanced and Base are supported on all vendor GA updates (such as 5.1, 5.2, etc.) unless otherwise stated.

3. Red Hat Enterprise Linux 6 Advanced and Base are supported on all vendor GA updates (such as 6.1, etc.) unless otherwise stated.

4. Media server support began in NetBackup 7.0.

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 2003 R2	x86-32	32
Active Directory Granular Restore	Windows Server 2003 R2	x86-64	64
Active Directory Granular Restore	Windows Server 2008	x86-32	32
Active Directory Granular Restore	Windows Server 2008	x86-64	64
Active Directory Granular Restore	Windows Server 2008 R2	x86-64	64

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
1. The Boot Server must be of the same OS as the clients that are being recovered. The Master and Boot Server can reside on the same server without issue. You can have multiple Boot Servers of the same OS registered to the Master Server.

2. The Boot Server can only support clients at the same OS release or lower than it is. SRT architecture should be the same as that of the client's architecture.
As an example, a Solaris 10 Boot Server can do Solaris 10 and Solaris 9 clients. A Solaris 10 Boot Server can support all supported versions of Solaris clients.
In case of Windows, FastRestore SRT's can be created on any supported Windows BootServer. For example, Windows 2003 Boot Server can create FastRestore SRT's which can restore all supported Window's client versions (Windows XP, Windows Vista, Windows 7, Windows 2003, and Windows 2008).

3. Boot Server should updated to the same NBU patch level as the Master Server. The Boot Server needs to be at the same NBU patch level or higher than the clients it supports.

4. Solaris clients can only network boot to a Solaris Boot Server on the same sub-net. All other clients do not have this restriction.

5. You must have a BMR Boot Server to create BMR bootable restore media. However, when using such media, a Boot Server is not required and is not part of the restore process.

6. BMR does not support GPT (GUID Partition Table) partitions on Microsoft Windows 2003 and Windows 2008 clients.

7. BMR does not support UEFI (Universal Extended Firmware Interface) Boot Systems on Microsoft Windows 2008 64-bit clients.

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 4.x - 5.x	Native LVM, VxVM 4.x - 5.x	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 6.1 (TL0SP7 and above)	JFS2 VxFS 5.x	Native LVM, VxVM 5.x	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.
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 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.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Red Hat 4.x (x64)	EXT2, EXT3, Reiserfs	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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.
Red Hat 5.x (x64)	EXT2, EXT3, Reiserfs	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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.
Solaris 9 SPARC	UFS, VxFS 4.1 MP2 and higher	SVM, VxVM 4.1 MP2 and higher	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 4.1 MP2 and higher	SVM, VxVM 4.1 MP2 and higher	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.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Solaris 10 x64	UFS, VxFS 5.0 and higher	SanBoot, SVM, Solaris Zones, VxVM 5.0 and higher	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. Support for SAN boot was added in NetBackup 7.0.1. 4. Support for Solaris Zones was added in NetBackup 7.0.1 5. SAS based client are supported. Support for SATA disk based client was added in NetBackup 7.0.1.
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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.
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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.
Oracle Enterprise Linux 4 (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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
Oracle Enterprise Linux 5 (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. To perform system-only restores on Linux systems, use the dissimilar disk restore feature to map the original system volumes to the target disks (even if you are performing a normal self restore). 4. Linux Native-Multipathing is not handled.
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.
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.
Windows Server 2008 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	
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.
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.

OS	File Systems	Volume Managers	Striping, Mirroring, RAID	Minimum NetBackup Level	Notes
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.
Windows 7 x86 (32-bit)	FAT32, NTFS	Windows LDM	All	7.0.1	
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	
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	
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	Client Selection
AIX 5.3	POWER	RS6000,AIX53
AIX 6.1	POWER	RS6000,AIX53
AIX 7.1	POWER	RS6000,AIX53
Asianux 2.0	x86-64	Linux, RedHat2.6
Asianux 3.0	x86-64	Linux, RedHat2.6
Canonical Ubuntu 8.04	x86-64	Linux,RedHat2.6 [1]
Canonical Ubuntu 8.04.1	x86-64	Linux,RedHat2.6 [1]
Canonical Ubuntu 9.04	x86-64	Linux,RedHat2.6 [1]
Canonical Ubuntu 9.10	x86-64	Linux,RedHat2.6 [1]
Canonical Ubuntu 10.04	x86-64	Linux,RedHat2.6 [1]
CentOS 5.2	x86-64	Linux,RedHat2.6
CentOS 5.3	x86-64	Linux,RedHat2.6
Debian GNU/Linux 4.0	x86-64	Linux,RedHat2.6 [1]
Debian GNU/Linux 5.0	x86-64	Linux,RedHat2.6 [1]
FreeBSD 6.1	x86-32	INTEL,FreeBSD6.0
FreeBSD 6.2	x86-32	INTEL,FreeBSD6.0
FreeBSD 6.3	x86-32	INTEL,FreeBSD6.0
FreeBSD 6.3	x86-64	INTEL,FreeBSD6.0
FreeBSD 7.0, 7.1, 7.2	x86-32	INTEL,FreeBSD6.0
FreeBSD 7.0, 7.1, 7.2	x86-64	INTEL,FreeBSD6.0
FreeBSD 8.0, 8.1	x86-32	INTEL,FreeBSD6.0
FreeBSD 8.0, 8.1	x86-64	INTEL,FreeBSD6.0
HP-UX 11.11	PA-RISC	HP9000-700,HP-UX11.11

OS	CPU Architecture	Client Selection
HP-UX 11.11	PA-RISC	HP9000-800,HP-UX11.11
HP-UX 11.23	PA-RISC	HP9000-700,HP-UX11.23
HP-UX 11.23	PA-RISC	HP9000-800,HP-UX11.23
HP-UX 11.31	PA-RISC	HP9000-700,HP-UX11.23
HP-UX 11.31	PA-RISC	HP9000-800,HP_UX11.23
HP-UX 11.31	IA64	HP-UX-IA64,HP-UX11.31
Mac OS X 10.5	POWER, x86-32, x86-64	MACINTOSH,MacOSX 10.5
Mac OS X 10.6	x86-32, x86-64	MACINTOSH,MacOSX 10.5
NetWare 6.5	x86-32	Novell,NetWare
Novell Open Enterprise Server 2	x86-64	Linux,SuSE2.6
OpenVMS 6.1, 6.2, 7.3, 8.2, 8.3, 8.4	Alpha	OpenVMS,OpenVMS_Alpha
OpenVMS 5.5, 6.2, 7.3	VAX	OpenVMS,OpenVMS_VAX
OpenVMS 8.2, 8.3, 8.4	IA64	OpenVMS,OpenVMS_I64
Oracle Enterprise Linux 4.0	x86-64	Linux,RedHat2.6
Oracle Enterprise Linux 5.0	x86-64	Linux,RedHat2.6
Red Flag Linux 5.0	x86-64	Linux,RedHat2.6
Red Hat Enterprise Linux 4.0	x86-64	Linux,RedHat2.6
Red Hat Enterprise Linux 5.0	x86-64	Linux,RedHat2.6
Red Hat Enterprise Linux 6.0	x86-64	Linux,RedHat2.6
Red Hat Enterprise Linux 4.0	IA64	Linux-IA64,RedHat2.6
Red Hat Enterprise Linux 5.0	IA64	Linux-IA64,RedHat2.6
Red Hat Enterprise Linux 4.0	POWER	Linux,IBMpSeriesRedHat2.6
Red Hat Enterprise Linux 5.0	POWER	Linux,IBMpSeriesRedHat2.6
Red Hat Enterprise Linux 4.0	z/Architecture	Linux,IBMzSeriesRedHat2.6
Red Hat Enterprise Linux 5.0	z/Architecture	Linux,IBMzSeriesRedHat2.6
Solaris 9	SPARC	Solaris,Solaris9
Solaris 9	x86-64	Solaris,Solaris9
Solaris 10	SPARC	Solaris,Solaris10

OS	CPU Architecture	Client Selection
Solaris 10	x86-64	Solaris,Solaris_x86_10_64
Solaris 11 Express	SPARC	Solaris,Solaris10
Solaris 11 Express	x86-64	Solaris,Solaris_x86_10_64
SUSE Linux Enterprise Server 9	IA64	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 9	POWER	Linux,IBMpSeriesSuSE2.6
SUSE Linux Enterprise Server 9	z/Architecture	Linux,IBMzSeriesSuSE2.6
SUSE Linux Enterprise Server 10 SP1	IA64	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 10 SP1	POWER	Linux,IBMpSeriesSuSE2.6
SUSE Linux Enterprise Server 10 SP1	z/Architecture	Linux,IBMzSeriesSuSE2.6
SUSE Linux Enterprise Server 10 SP1	x86-64	Linux,SuSE2.6
SUSE Linux Enterprise Server 11	IA64	Linux-IA64,SuSE2.6
SUSE Linux Enterprise Server 11	z/Architecture	Linux,IBMzSeriesSuSE2.6
SUSE Linux Enterprise Server 11	x86-64	Linux,SuSE2.6
Windows Server 2003 SP1 or later	x86-32	Windows-x86,Windows2003
Windows Server 2003 R2 2003 all SP's	x86-32	Windows-x86,Windows2003
Windows Server 2003 SP1 or later	x86-64	Windows-x64,Windows2003
Windows Server 2003 R2 2003 all SP's	x86-64	Windows-x64,Windows2003
Windows Server 2003 SP1 or later R2	IA64	Windows-IA64,Windows2003
Windows Storage Server 2003	x86-32	Windows-x86,Windows 2003
Windows Storage Server 2003	x86-64	Windows-x64,Windows2003
Windows Storage Server 2003 R2 all SP's	x86-32	Windows-x86,Windows2003
Windows Storage Server 2003 R2 all SP's	x86-64	Windows-x64,Windows2003
Windows Server 2008	x86-32	Windows-x86,Windows2008
Windows Server 2008 and R2	IA64	Windows-IA64,Windows2008
Windows Server 2008 and R2	x86-64	Windows-x64,Windows2008
Windows 7	x86-32	Windows-x86,Windows7
Windows 7	x86-64	Windows-x64,Windows7
Windows XP SP2	x86-32	Windows-x86,WindowsXP

OS	CPU Architecture	Client Selection
Windows XP SP2	x86-64	Windows-x64,WindowsXP
Windows XP SP2	IA64	Windows-IA64,WindowsXP
Windows Vista	x86-32	Windows-x86,WindowsVista
Windows Vista	x86-64	Windows-x64,WindowsVista

1. Beginning in NetBackup 7.1 the Client Selection is Linux,Debian2.6

Deduplication Supported Operating Systems

For additional information in regards to PureDisk support, reference Article TECH139108 <http://www.symantec.com/docs/TECH139108>

OS	CPU Architecture	Media Server Dedupe	Client Deduplication	Minimum NetBackup Level
HP-UX 11.31	IA64	Yes	Yes	7.1
Red Hat Enterprise Linux 4 Update 5	x86-64	Yes	Yes	7.0
Red Hat Enterprise Linux 5	x86-64	Yes	Yes	7.0
Red Hat Enterprise Linux 6	x86-64	Yes	Yes	7.1
Solaris 10	SPARC	Yes	Yes	7.0
SUSE Enterprise Linux Server 10 SP1	x86-64	Yes	Yes	7.0
Windows Server 2003	x86-32	No	Yes	7.0
Windows Server 2003	x86-64	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 Storage Server	x86-32	No	Yes	7.0
Windows Server 2003 Storage Server	x86-64	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 R2	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 2008 R2 Storage Server	x86-64 (64-bit only)	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

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

File System Compatibility

NetBackup supports POSIX compliant file systems. Unless otherwise noted in the table below, extended file system attributes are not supported.

OS	Versions	CPU Architecture	File System	ACL	Extended Attributes or Named Data Streams	Notes
AIX	5.3, 6.1, 7.1	POWER	VxFS 5.0 and forward	Yes	Yes	
AIX	5.3, 6.1, 7.1	POWER	JFS/JFS2	Yes	No	
Asianux	2.0, 3.0	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	
CentOS	5.2, 5.3	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	
Debian GNU/Linux	4.0, 5.0	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	
FreeBSD	6.1, 6.2, 6.3, 7.0, 7.1, 7.2, 8.0, 8.1	x86-32	UFS2	No	No	
FreeBSD	6.3, 7.0, 7.1, 7.2, 8.0, 8.1	x86-64	UFS2	No	No	
HP-UX	11.31	IA64	Base JFS or UFS	Yes	Yes	
HP-UX	11.31	IA64	VxFS 5.0 and forward	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 5.0 and forward	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
Mac OS X	10.5, 10.6	x86-64	HFS/HFS+	Yes	Yes	Resource forks supported. Extended Attribute support started with NetBackup 7.0.1
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 5.0 MP4 and forward	Yes	Yes	
Oracle Enterprise Linux	4, 5	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	

OS	Versions	CPU Architecture	File System	ACL	Extended Attributes or Named Data Streams	Notes
Red Flag Linux	5.0	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	
Red Hat	4, 5, 6	x86-64	Ext2, Ext3, Ext4, VxFS 5.0 MP4 and forward	Yes	Yes	
Red Hat	4, 5	IA64	Ext2, Ext3	Yes	Yes	
Red Hat	4, 5	POWER	Ext2, Ext3, VxFS 5.0 MP4 and forward	Yes	Yes	
Red Hat	4, 5	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	UFS, ZFS	Yes	Yes	
Solaris	10	x86-64	UFS, ZFS	Yes	Yes	
Solaris	11 Express	SPARC	UFS, ZFS	Yes	Yes	
Solaris	11 Express	x86-64	UFS, ZFS	Yes	Yes	
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 5.0 MP4 and forward	Yes	Yes	
SUSE SLES	10, 11	x86-64	Ext2, Ext3, Ext4 ReiserFS, XFS, NSS, VxFS 5.0 MP4 and forward	Yes	Yes	
Ubuntu	8.04, 9.04, 9.10, 10.04	x86-64	Ext2, Ext3, VxFS 5.0 MP4 and forward	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	

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
Solaris 10	SPARC	7.0	6.0
Solaris 10	x86-64	7.0	6.1.1
Windows 2003	x86-32	7.0	6.0
Windows 2003	x86-64	7.0	6.0
Windows 2003	IA64 [1]	7.0	6.0
Windows 2008	x86-64	7.0	6.1.2
Windows 2008 R2	x86-64	7.0	6.1.5
Red Hat 4.4 (Red Hat 4 Update 4)	x86-64	7.0	6.1
Red Hat 4.4 (Red Hat 4 Update 4) and all subsequent updates	x86-64	7.0	6.1.3
Red Hat 5.0 (GA)	x86-64	7.0	6.1.1
Red Hat 5.0 and all subsequent updates	x86-64	7.0	6.1.3
SUSE Linux Enterprise Server 10 SP1	x86-64	7.0	6.1.1
SUSE Linux Enterprise Server 10 SP2	x86-64	7.0	6.1.4
SUSE Linux Enterprise Server 10 SP3	x86-64	7.0	6.1.5

1. Media servers are not supported on Intel Itanium IA-64 in NetBackup 7. Back level support of NetBackup 6.x media servers will be available until NetBackup 6.x reaches end of support.

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 5.3	POWER	Y	Y	N
AIX 6.1	POWER	Y	Y	N
HP-UX 11-11	PA-RISC	N	Y	N
HP-UX 11-23	PA-RISC	Y	Y	N
HP-UX 11-31	PA-RISC	Y	Y	N
HP-UX 11-31	IA64	Y	Y	N
Red Hat 4.0 AS	IA64	N	Y	N
Red Hat 4.0 AS	x64	Y	Y	N
Red Hat 4.0 AS	POWER	N	Y	N
Red Hat 4.0 AS	z/Architecture	N	Y	N
Red Hat 4.0 Desktop	x64	Y	Y	N
Red Hat 5.0	IA64	N	Y	N
Red Hat 5.0	x64	Y	Y	N
Red Hat 5.0	POWER	N	Y	N
Red Hat 5.0	z/Architecture	N	Y	N

OS	CPU Architecture	NetBackup-Java Administration Console	Backup, Archive, and Restore Interface	NetBackup Remote Administration Console
Red Hat 5.0 Desktop	x64	Y	Y	N
Red Hat 6.0	x64	Y	Y	N
Solaris 9	SPARC	N	Y	N
Solaris 10	SPARC	Y	Y	N
Solaris 10	x64	Y	Y	N
Solaris 11 Express	SPARC	N	N	N
Solaris 11 Express	x64	Y	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
SUSE Linux Enterprise Server 10 (SP1)	IA64	N	Y	N
SUSE Linux Enterprise Server 10 (SP1)	x64	Y	Y	N
SUSE Linux Enterprise Server 10 (SP1)	POWER	N	Y	N
SUSE Linux Enterprise Server 10 (SP1)	z/Architecture	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	POWER	N	Y	N
SUSE Linux Enterprise Server 11	z/Architecture	N	Y	N
Windows Server 2003	x86	Y	Y	Y
Windows Server 2003	x64	Y	Y	Y
Windows Server 2003	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 2008	x86	Y	Y	Y
Windows Server 2008	x64	Y	Y	Y
Windows Server 2008	IA64	N	Y	Y
Windows Server 2008 R2	x64	Y	Y	Y

OS	CPU Architecture	NetBackup-Java Administration Console	Backup, Archive, and Restore Interface	NetBackup Remote Administration Console
Windows Server 2008 R2	IA64	N	Y	Y
Windows 7	x86	Y (1)	Y	Y
Windows 7	x64	Y (1)	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) 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 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	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	10d, 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
Symantec Enterprise Vault	7.5, 8.0, 9.0, 10	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	7.3	Native agent on backup servers on Windows 2003 (SP2 and R2), Windows 2008 (SP2 and R2), Solaris 9 and 10.	Yes
IBM Tivol Storage Manager (TSM)	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

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.

VERITAS Cluster Support for OpsCenter 7.1 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 5.3	POWER	No	Yes	No	No	No	No
AIX 6.1	POWER	No	Yes	No	No	No	No
HP-UX 11.31	IA64	No	Yes	No	No	No	No
Oracle Enterprise Linux 4.x	x86-64	No	Yes	No	No	No	No
Oracle Enterprise Linux 5.x	x86-64	No	Yes	No	No	No	No
Red Hat Enterprise Linux 4.x	x86-64	No	Yes	No	No	No	No
Red Hat Enterprise Linux 5.x	x86-64	No	Yes	No	No	No	No
Solaris 9	SPARC	No	No	No	Yes	No	No
Solaris 10	SPARC	No	Yes	No	Yes	No	No
Solaris 10	x86-64	No	Yes	No	No	No	No
SUSE Linux Enterprise Server 10 SP2	x86-64	No	Yes	No	No	No	No
SUSE Linux Enterprise Server 11	x86-64	No	Yes	No	No	No	No
Windows 2003 SP2	x86-64	Yes	Yes	Yes	Yes (1)	Yes	Yes (1)

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 2003 R2	x86-64	Yes	Yes	Yes	Yes (1)	Yes	Yes (1)
Windows 2008	x86-64	Yes	Yes	Yes	Yes (1)	Yes	Yes (1)
Windows 2008 R2	x86-64	No	Yes	No	Yes (1)	No	Yes (1)

(1) Signifies 32-bit binaries working on 64-bit architecture.

OpsCenter Supported Web Browsers

Web Browser	Versions	Notes
Microsoft Internet Explorer	7.x, 8.0	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. NOTE: OpsCenter 7.1 does not support Internet Explorer 6.x.
Mozilla Firefox	3.0 and higher versions	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)
* Enterprise Vault (EV) Agent is NOT Supported with SAN Client. All other Application and DB Agents are supported with the SAN Client

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>

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.

OS/Version	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
Mac OS X 10.3	POWER	32	Client	6.5.x
Mac OS X 10.4	POWER	32	Client	6.5.x
Mac OS X 10.4	x86-64	64	Client	6.5.x
Asianux 3.0	x86-32	32	Client, Master and Media Server	6.5.x
Canonical Ubuntu 8.04	x86-32	32	Client	6.5.X
CentOS 5.2	x86-32	32	Client	6.5.x
CentOS 5.3	x86-32	32	Client	6.5.x
Debian GNU/Linux 4.0	x86-32	32	Client	6.5.x
Debian GNU/Linux 5.0	x86-32	32	Client	6.5.x
FreeBSD 5.3	x86-32	32	Client	6.5.x
FreeBSD 5.4	x86-32	32	Client	6.5.x
FreeBSD 6.0	x86-32	32	Client	6.5.x
HP-UX 11.0	PA-RISC	64	Client, Master and Media Server	6.5.x
HP-UX 11.23	IA64	64	Client, Master and Media Server	6.5.x
Tru64 5.1B+	Alpha	64	Client, Master and Media Server	6.5.x
AIX 5.1	POWER	64	Client, Master and Media Server	6.5.x
AIX 5.2	POWER	64	Client, Master and Media Server	6.5.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

OS/Version	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
Windows 2000 SP4	x86-64	64	Client, Master and Media Server	6.5.x
NetWare 5.1	x86-32	32	Client	6.5.x
NetWare 6.0	x86-32	32	Client and Media Server	6.5.x
Open Enterprise Server (Linux) 1 SP2	x86-32	32	Client and Media Server	6.5.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
SUSE Linux Enterprise Server 8	x86-64	64	Client, Master and Media Server	6.5.x
SUSE Linux Desktop 9.0	x86-32	32	Client	6.5.x
SUSE Linux Desktop 9.2	x86-32	32	Client	6.5.x
SUSE Linux Desktop 9.3	x86-32	32	Client	6.5.x
Red Flag Linux 4.1	x86-32	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 2.1	x86-32	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3.0 AS and WS	x86-32	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3.0	x86-64	32	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3.0 AS and WS	x86-64	64	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3.0 AS	IA64	64	Client, Master and Media Server	6.5.x
Red Hat Enterprise Linux 3.0 AS	z/Architecture	32	Client	6.5.x
IRIX 6.5.32 and above	MIPS	64	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
Solaris 9.0	SPARC	32	Master and Media Server	6.5.x
Solaris 9.0	x86-32	32	Client	6.5.x
Solaris 9.0	x86-64	32	Client	6.5.x
Solaris 10 x86	x86-32	32	Client	6.5.x
Solaris 10 x86	x86-64	32	Client	6.5.x