

GLOBAL SALES AND SERVICES TOOLS

Licensing and Support Services Guide



NetBackup™ 7

This document is intended to aid Symantec Sales in selling and quoting **NetBackup 7** and is to serve primarily as a reference guide on the licensing and maintenance programs and options available. The pricing contained within this document is referenced directly from the U.S. Symantec price list and should be deemed modified to the extent of any recent updates. All pricing and SKUs should be obtained from the current, appropriate regional price list. Symantec reserves the right to change this document at any time, without notice.

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WHAT'S NEW WITH NETBACKUP 7 PRICING

The release of NetBackup 7 marks several significant pricing and licensing changes that simplify selling NetBackup. The following provides a summary of those changes and should help those already familiar with NetBackup pricing and licensing.

WHAT CHANGED	DESCRIPTION
Elimination of Workstation Client License	The Workstation Client license will not be available with the NetBackup 7 release. Customer will be required to purchase the NetBackup Standard Client. Customers who have active maintenance for a Workstation client license will be upgraded to Standard Client.
Elimination of Standard Disk License	The Standard Disk license will not be available with the NetBackup 7 release. Customer will be required to purchase NetBackup Enterprise Disk license. Customers who have active maintenance for a Standard Disk license will be upgraded to Enterprise Disk.
Server Tier Methodology	<p>NetBackup 6.5:</p> <ul style="list-style-type: none"> Server tiers for Windows, Linux and Solaris x64 is determined based on the maximum number of processor sockets that can be populated on the machine Server tiers for UNIX are assigned for each server model number <p>NetBackup 7:</p> <ul style="list-style-type: none"> Server tiers will be determined based on the number of populated processor sockets on the machine for all operating systems Please refer to the NetBackup Hardware Tier Matrix
Licensing for Virtual Environments – Standard and Enterprise Clients	<p>NetBackup 6.5:</p> <ul style="list-style-type: none"> A Standard or Enterprise Client license is required for each guest operating system type per host server An Application and Database Pack license is required for each guest operating system type and application type combination per host server <p>NetBackup 7:</p> <ul style="list-style-type: none"> A single Standard or Enterprise Client license is required for each host server regardless of the number of guest operating systems types A single Application and Database Pack license is required for each host server regardless of the number of guest application types When host servers are clustered, each host node must be licensed
Licensing for Virtual Environments – Application and Database Packs and SAP Agent	<p>NetBackup 6.5:</p> <ul style="list-style-type: none"> An Application and Database Pack license is required for each operating system type and application type combination per server <p>NetBackup 7:</p> <p>A single Application and Database Pack license is required for each host server regardless of the number of application types or operating system types</p>
OpsCenter Analytics (formerly VERITAS Backup Reporter) licensing methodology	<p>Version 6.6:</p> <ul style="list-style-type: none"> License is required for every client (virtual or physical) that has been backed up <p>Version 7:</p> <ul style="list-style-type: none"> License required for every physical client with an active backup policy, including physical clients which host virtual machines.
NetBackup and PureDisk Standard Client Consolidation	The NetBackup Standard Client and NetBackup PureDisk Standard Client have been consolidated into a single entitlement/SKU with the NetBackup 7 version
NetBackup and PureDisk Application and Database Pack	The NetBackup Application and Database Pack and NetBackup PureDisk Application and Database Pack have been consolidated into a single entitlement/SKU with the 7 version

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WHAT CHANGED	DESCRIPTION
Name for PureDisk	PureDisk has been renamed and is now sold as the NetBackup Deduplication Option
VERITAS Backup Reporter	VERITAS Backup Reporter has been renamed and is now sold as the Ops Center Analytics
Windows, Linux and Sol x64 Operating Systems Consolidation	Windows, Linux and Sol x64 operating systems have been consolidated into a single platform (WLS)
Introduction of NBU Platform per Terabyte Licensing Model	A new way to license NetBackup based upon the amount of front-end data. This model will replace the "Infrastructure Capacity" model. The model enables customers to license both the client and infrastructure components using a single meter, front-end terabyte
Phasing out of the NetBackup Infrastructure Capacity Model	The Infrastructure Capacity Model is being phased out beginning with the NetBackup 7 release. Customers are encouraged to migrate to the NetBackup Platform per terabyte licensing model. Existing customer will be able to renew maintenance and purchase additional licenses.
Clustering Environment Licensing	Clarification of licensing policy and requirements
End-of Life Products	<ul style="list-style-type: none"> • NetWare Media Server Option and NetWare Client – NetBackup 6.x back-level support with NetBackup 7.0 applies until NetWare EOL in 2012 • Storage Migrator • NAS SnapVault Option • Flexible Disk Option • SharedDisk Feature



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OVERVIEW OF NETBACKUP ARCHITECTURE

NetBackup™ enables companies to deploy a data protection solution with both the flexibility and scalability required to backup and recover the data, servers, and applications for midsized to extremely large companies. A typical NetBackup architecture consists of two key pieces – core infrastructure and clients. Clients are placed on the systems to be protected. The NetBackup infrastructure components instruct the clients to perform a backup and direct data to the target storage device for the backup (either disk or tape).

The two primary architectures deployed by NetBackup are two-tier and three-tier. In campus environments, or when IT operations span geographic locations, organizations may deploy multiple NetBackup storage domains and centrally monitor all operations.

DESCRIPTION	TWO-TIER	THREE-TIER
Typical Customer Environment	Small / Mid-Size Enterprise	Large / Very Large Enterprise
No. of Core Infrastructure Components	Single NetBackup Server	Multiple NetBackup Enterprise Servers
Type of Infrastructure Components	NetBackup Server or NetBackup Enterprise Server	NetBackup Enterprise Server ONLY

NetBackup Enterprise Server Architecture (Three-Tier)

A typical NetBackup Enterprise Server storage domain consists of one NetBackup Master Server, one or more NetBackup Media Servers, and multiple NetBackup Clients. Large customers often have multiple NetBackup Storage domains spread across data centers.

NetBackup Master Server

The NetBackup Master Server is the “brains” for all data protection activities, from scheduling and tracking client backups to managing tape media and more. In addition, the NetBackup Master Server may have one or more storage devices attached for backing up its local data or NetBackup client data across the network.

- Main Backup Server - Manage all operations (Policies, Schedules, Device Configuration, & Catalog)
- Backs Up and Restores Local and Client Data to Attached Storage (Tape / Disk)
- Manages Attached (Direct / SAN) Storage

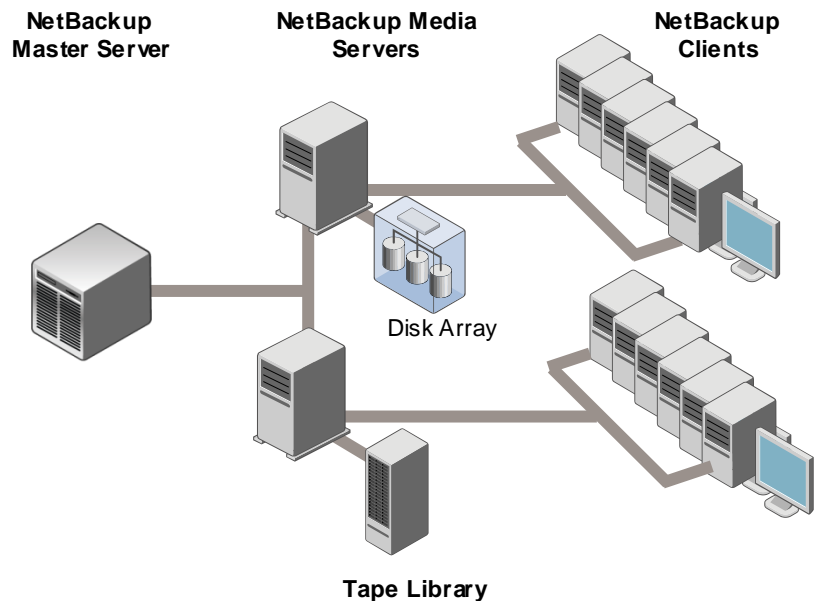


Figure 1 - A single 3-tier NetBackup Storage Domain

NetBackup Media Servers

Organizations with data in several locations, or with data-intensive applications, may distribute the workload across servers by deploying a NetBackup Enterprise Server as a Media Server (i.e., NetBackup Media Server). The Master Server is the brains, and the Media Servers are the

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workhorses of deployments. Multiple NetBackup Media Servers can provide high performance backups of local applications to attached backup storage while backing up NetBackup Clients over the local area network (LAN). A NetBackup Media Server can share tape resources with NetBackup Master/Media Servers over a storage area network (SAN) or provide for backup and recovery from its own dedicated storage hardware. If a NetBackup Media Server fails, the attached NetBackup Client backups will be routed to another NetBackup Media Server.

- Backs Up and Restores Local and Client Data to Attached Storage (Tape/Disk)
- Manages Attached (Direct / SAN) Storage

NetBackup Clients

Each system to be protected requires a NetBackup client. The NetBackup client sends and receives data across the local area network (LAN) or storage area network (SAN) to a NetBackup Media Server. The NetBackup Client component often represents the largest number of individual machines, but not necessarily the most data.

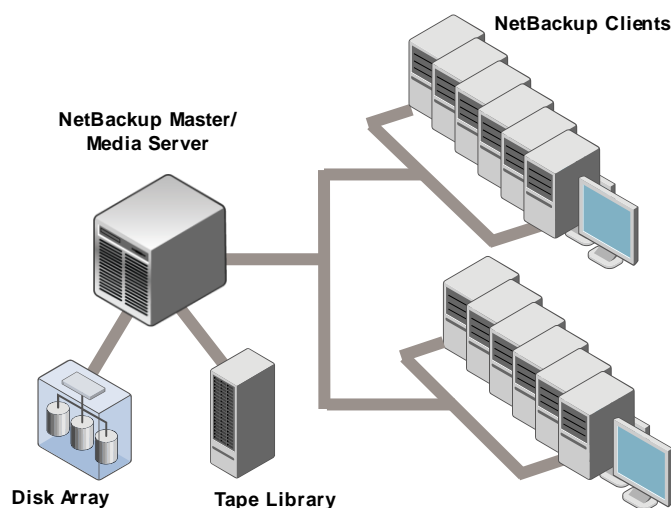
- Prepares and Sends Local Data to NetBackup Master / Media Servers for Storage
- Receives Stored Data from NetBackup Master / Media Servers for Restoration

NOTE: Each NetBackup Enterprise Server or NetBackup Server license includes the necessary licenses to backup NetBackup data (not other application data).

NetBackup Server Architecture (Two-Tier)

Two-tier NetBackup architecture is defined as a single NetBackup server that acts as both a Master and Media Server (Master/Media Server) and multiple clients. Two-tier architecture with NetBackup Server is a cost-effective heterogeneous backup and recovery product designed for mid-size organizations and workgroups.

NOTE: NetBackup Server supports one (1) backup server and an unlimited number of clients, NDMP-NA S systems, tape drives, and tape libraries.



LICENSING NETBACKUP

From a licensing perspective, NetBackup has two major components: **clients** and **infrastructure** (servers & options). NetBackup clients represent components (and code) that reside on the systems(s) being protected. The clients send the backup data to a NetBackup server. Infrastructure components and functionality reside on NetBackup servers that act as Master/Media servers and interact with storage systems that can include tape drives/libraries and all types of disk-based storage systems.

Two Licensing Models – Traditional or NetBackup Platform per Terabyte

- **Traditional Licensing Model:** The Traditional licensing model is the only model that was available until NetBackup 6.5. Customers under this model count the number of NetBackup Clients, Servers, and Options they would like to run NetBackup on or with and purchase the same number of licenses. As they deploy additional NetBackup clients or servers or attach additional tape drives or storage to NetBackup they must license additional copies of the appropriate NetBackup product.



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- **NBU Platform (per Front-end Terabyte) Licensing Model:** This model enables customers to license NetBackup based on how much source data that is protected rather than the number of NetBackup components deployed. This model is beneficial to customers who have or planned to deploy advanced features of NetBackup such as Enterprise Client, Application and Database Packs, Deduplication Option and RealTime.
- Customers may choose either model but cannot mix and match license models within the same NetBackup Domain. Additional information for NetBackup customers considering switching to the NBU Platform model is found in the [NetBackup Platform per Terabyte Licensing Model](#) section later in this guide.

Steps to Licensing NetBackup using the Traditional Licensing Model

1. Determine the number and type of clients to be protected:
 - a. Number of servers that will require the Standard Client
 - b. Number of servers that will require the Enterprise Client. For each server determine the operating system and number of processor sockets. To determine the correct server tier please refer to the NetBackup Hardware Tier Matrix
 - c. Determine how many servers with applications and databases will need to be protected and on what systems these reside. Determine if SAP application will be protected. For each server determine the operating system and number of processor sockets. To determine the correct server tier please refer to the NetBackup Hardware Tier Matrix
2. Determine the Core Infrastructure components:
 - a. Will the customer use NetBackup Enterprise Server or NetBackup Server.
 - b. For each server determine the operating system and number of processor sockets. To determine the correct server tier please refer to the NetBackup Hardware Tier Matrix
3. Determine if the NetBackup Deduplication Option will be used.
 - a. Determine the amount of front-end terabytes to be protected
4. Determine the Disk-based infrastructure components:
 - a. Determine if any VTL or Deduplicating disk appliance will be in the environment. Determine the amount of front-end terabytes to be protected
5. Determine the Tape-based infrastructure components:
 - a. Determine how many physical tape drives will be used if they will be shared
 - b. Determine how many tape drives will require vaulting
6. Determine the other Infrastructure Components:
 - a. Media Server Encryption Option - Determine the number of Enterprise Server and/or SAN Media Servers that require encryption. For each server determine the operating system and number of processor sockets. To determine the correct server tier please refer to the NetBackup Hardware Tier Matrix
 - b. NDMP Option - Determine the number of NDMP-enabled NAS requiring protection. Determine the Tier NAS device. Please see the [NDMP Tiering Appendix](#) on SCORE or for Partners & Resellers, located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents
7. Determine if OpsCenter Analytics is required
 - a. Determine the number of servers for which reporting is required

For smaller customers (small to mid-market) interested NetBackup Server only, we offer a sales bundle called [NetBackup Starter Packs](#). Additional information provided near the end of this guide.

Steps to Licensing NetBackup using the NetBackup Platform per Terabyte Licensing Model

1. Determine the total amount front-end terabytes to be protected and the expected data growth rate





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- Determine of the total amount front-end terabytes how much will be protected by the NetBackup Duplication Option (PureDisk) and/or NetBackup RealTime

NETBACKUP CLIENTS

Any system that sends or receives data to a NetBackup server for protection requires a NetBackup client license. NetBackup client definitions have been renamed and consolidated.

CLIENT TYPE	DESCRIPTION
Enterprise Client	The NetBackup Enterprise Client contains the functionality of the Standard Client plus many more advanced features that maximize backup performance while potentially reducing impact of backups such as Snapshot client, SAN Client, SAN Media Server, and integrated protection for VMware and Hyper-V environments. Note: Requires NetBackup Enterprise Server
Standard Client	The NetBackup Standard Client is used to protect systems. A "server" provides services to more than one user and is considered a group or company resource controlled by a system administrator or IS organization. The Standard Client includes Bare Metal Restore and Client Encryption capabilities. Note these two components cannot be used together due to technical issues.
Desktop Laptop Option	The Desktop Laptop Option provides continuous data protection for end-user machines regardless of whether they are connected to a network.

NOTE:

- NetBackup Master/Media Server, SAN Media Server, and Server licenses are able to back themselves up. NetBackup Windows & NetWare Clients include Open File support at no additional charge.

NetBackup Enterprise Client

The most robust and feature rich NetBackup client license allows customers to use a broad range of advanced disk-based data protection features in addition to the functionality of the standard client. This license can be deployed to accomplish:

- Client-based snapshot (host or array) for file systems, applications, or databases via NetBackup Snapshot Client, SAN style backups via SAN Media Server, and SAN style backup via SAN Client
- Advanced VMware Features – Granular File Recovery, VMware vStorage related features such as block-level incremental, and off-host backups
- Advanced Microsoft Hyper-V Features - Granular File Recovery, off-host backup
- NetBackup Enterprise Client is licensed per system (on a tier basis) and is ideal for systems requiring high performance, low impact protection. The Enterprise client only functions with the NetBackup Enterprise Server.

ENTERPRISE CLIENT FUNCTIONALITY	DESCRIPTION
Client-based snapshots via Snapshot Client	<ul style="list-style-type: none"> Enabled through NetBackup Snapshot Client allows customers to use either host or array-based snapshots methods Access a variety of snapshot-based technologies (FlashBackup, Instant Recovery, ServerFree, Array Integration, and BLIB) via a single client Combine with Application & Database Pack to enable off-host backups
SAN style backups via SAN Media Server	<ul style="list-style-type: none"> Designed for customers moving from LAN-based client-server environments to multiple NetBackup Servers on a SAN. Data flows over the SAN from the client to the media

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ENTERPRISE CLIENT FUNCTIONALITY	DESCRIPTION
	<p>server rather than over the LAN. The media server is responsible for writing the data to its final backup destination</p> <ul style="list-style-type: none"> • 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.
SAN style backups via SAN Client	<ul style="list-style-type: none"> • Alternative to SAN Media Server with less admin management • Uses SAN vs. LAN for data path from client to the media server • Media Server requires a QLogic HBA (client side only) – see HCL for additional details
Integrated VMware backup	<ul style="list-style-type: none"> • Low impact backup of VMware virtual machines automated through NetBackup • Enables both VM and file recovery from the same VM backup
Integrated Microsoft Hyper-V backup	<ul style="list-style-type: none"> • Low impact backup of Hyper-V virtual machines automated through NetBackup • Enables both VM and file recovery from the same VM backup

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Enterprise Client, Windows, Linux, Solaris x86	Per Tiered Server	\$2,595	\$3,095	\$4,095	\$6,095
NetBackup Enterprise Client, UNIX (includes Solaris SPARC)	Per Tiered Server	\$5,095	\$6,595	\$8,595	\$13,595

NOTES:

- Customers with either Advanced Client or SAN Media Server under maintenance are entitled to Enterprise Client.
- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ](#) on SCORE or Partners & Resellers, located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.
- For a list of supported platforms, operating systems, and snapshot methods that Snapshot Client supports for certain backup methods. See <http://support.veritas.com/docs/303344> for the consolidated list of compatibility guides.

NetBackup Standard Client

The NetBackup Standard Client license is used to protect systems that function as servers. A “server” provides services to more than one user and is considered a group or company resource controlled by a system administrator or IS organization.

- This license entitles customers to protect a server with a traditional NetBackup client (LAN-based backup). This license also entitles a customer to install and use a NetBackup PureDisk client (deduplication on the client – before sending data to the backup application) for the same physical server.
- A “standard client” license also entitles customers to use either **Bare Metal Restore** or **NetBackup Client Encryption** capabilities. (note – these two components cannot be used together).

Product Description	License	MSRP
NetBackup Standard Client (XPLAT) * all supported platforms	Per Server	\$595

NOTES:





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- Major platforms supported by the Standard Client include Windows, UNIX, Linux, Solaris x64, OpenVMS, Mac OS X, NetWare and Free BSD. For specific platforms and versions, please see the NetBackup OS Compatibility Guide.
- For specific BMR platform support information, please [visit http://support.veritas.com/docs/303344](http://support.veritas.com/docs/303344).
- NetBackup Client support for Red Hat Linux and SUSE Linux on IBM's zSeries is licensed per virtual machine.
- Open File Support - No additional licenses or costs are required to protect files while open or in use.
- This license also entitles a customer to install and use a NetBackup Standard Client for use with the NetBackup Deduplication Option. Please visit <http://support.veritas.com/docs/303344> for a list of all supported database and applications across platforms.

NetBackup Desktop Laptop Option (DLO)

There were **no changes for the Desktop Laptop Option**. As a result, this option is listed in the price list as **NetBackup 6.1 Desktop and Laptop Option**. This solution helps protect data residing on end user systems whether they are traveling or in the office. The Desktop and Laptop Option offers continuous disk-based protection (based on whenever a user saves data or an auto-save event occurs). Desktop and Laptop Option requires a separate administrator server.

A single license entitles a customer to protect up to 100 clients. To protect more than 100 desktops or laptops, simply purchase additional NetBackup Desktop and Laptop Option units.

Product Description	License	MSRP
NetBackup 6.1 Desktop and Laptop Option	Per 100 Desktops or Laptops	\$2,500

NOTE:

- The DLO option requires a separate administration server machine (separate from the NetBackup Server). No additional license is required for this administration server.
- A NetBackup Server license is not required in order to sell the Desktop Laptop Option.

NETBACKUP APPLICATION AND DATABASE PACK

The NetBackup Application and Database Pack are licensed per system (on a tier basis). It is possible to protect multiple application or database instances on the same system with one Application and Database Pack.

The exception to this is with Microsoft SharePoint.

- If SharePoint is deployed on a single, standalone machine, only 1 license is required
- Otherwise, for a multi-server farm:
 - 1 license covers all front-end web servers, including load-balanced web servers
 - 1 license is needed for each SQL Server
 - 1 license is needed for each Index Server
 - Do not exceed 1 license per machine

The NetBackup Application and Database Pack license covers agents for the following databases and applications:

- Oracle
- Microsoft SQL Server, Microsoft Exchange Server, Microsoft SharePoint, Microsoft Active Directory
- IBM DB2, IBM Lotus Notes



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- Informix
- Sybase
- Symantec Enterprise Vault

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Application & Database Pack, UNIX (includes Solaris SPARC)	Per Tiered Server	\$4,995	\$7,495	\$10,995	\$16,495
NetBackup Application & Database Pack, Windows, Linux, Solaris x64	Per Tiered Server	\$1,295	\$1,695	\$2,195	\$3,295

NOTE:

- Symantec Enterprise Vault: an Application & Database Pack license is required every physical server on which Enterprise Vault and the associated SQL Server resides.
- Please visit <http://support.veritas.com/docs/303344> for a list of all supported database and applications across platforms.
- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ on SCORE or Partners & Resellers](#), located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.
- This license also entitles a customer to install and use a NetBackup PureDisk Application and Database Pack for use with the NetBackup Deduplication Option.

NetBackup for SAP

This agent allows customers to protect SAP environments. Integration with the SAPDBA administrative interface, along with the BR backup and recovery commands, provides a solid, SAP NetWeaver-centric data protection solution for customer specific configurations on the UNIX, Windows, and Linux platforms.

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup for SAP, UNIX (includes Solaris SPARC)	Per Tiered Server	\$13,000	\$16,000	\$20,000	\$30,000
NetBackup for SAP, Windows, Linux, Solaris x64	Per Tiered Server	\$2,595	\$3,395	\$4,395	\$6,595

NOTE:

- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ on SCORE or Partners & Resellers](#), located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.

Database & Application Support Matrix + Advanced Solutions

DATABASE OR APPLICATION	NETBACKUP AGENT SUPPORT								COMPLEMENTARY SOLUTIONS	
	HP-UX PA-RISC	HP-UX IA64	IBM AIX	Red Hat	SUSE SLES	Microsoft Windows	Sun Solaris Sparc	Sun Solaris x86-64	NetBackup Client Encryption	NetBackup Snapshot Client
IBM DB2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ - except for SUSE SLES and Sol x86-64
IBM Informix	✓	✓	✓				✓		✓	
IBM Lotus Notes			✓	✓	✓	✓	✓		✓	
Microsoft Exchange Server						✓			✓	✓
Microsoft						✓			✓	



DATABASE OR APPLICATION	NETBACKUP AGENT SUPPORT								COMPLEMENTARY SOLUTIONS	
	HP-UX PA-RISC	HP-UX IA64	IBM AIX	Red Hat	SUSE SLES	Microsoft Windows	Sun Solaris Sparc	Sun Solaris x86-64	NetBackup Client Encryption	NetBackup Snapshot Client
SharePoint Server										
Microsoft SQL Server						✓			✓	✓
Microsoft Active Directory						✓			✓	
Oracle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ - except for Sol x86-64
SAP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sybase	✓	✓	✓	✓		✓	✓		✓	
Symantec Enterprise Vault						✓				

NOTE:

- Valid as of publication date only. Always check the application and database support guide for the most recent information.
- Some applications are sensitive to clustering and thus need additional qualification. Agent support doesn't imply agent support for a clustered version of the application

CORE INFRASTRUCTURE COMPONENTS

NetBackup Enterprise Server and NetBackup Server Common Components

NetBackup Server is a version of NetBackup Enterprise Server with less functionality. The clients, options, and agents are designed to work with both versions of NetBackup except for the NetBackup Enterprise Client which is only available with NetBackup Enterprise Server.

Organizations that decide to access more advanced features can easily upgrade to a NetBackup Enterprise Server. New functionality is enabled by license key and does NOT require any additional application (or code) upgrades.

NetBackup Server vs. Enterprise Server Positioning Matrix

FEATURES	NETBACKUP SERVER	NETBACKUP ENTERPRISE SERVER
Architecture	(2) Tiers - Server & Client	(3) Tiers - Master Server, Media Server, & Client
Platform Support (Backup Server)	UNIX, Windows, Linux	UNIX, Windows, Linux
Platform Support (Clients)	UNIX, Windows, Linux	UNIX, Windows, Linux
Clustered Master Server	Windows	UNIX, Windows, Linux
NetBackup SAN Media Server	No	Yes
Online Database Agents • MS SQL, Oracle, DB2, Informix, & Sybase	Yes	Yes
Online Application Agents • MS Exchange, MS SharePoint, Lotus, SAP	Yes	Yes
Maximum Number of Clients	Unlimited (Practical limit is 20 Clients)	Unlimited
Maximum Tape Library & Drive Support	Unlimited	Unlimited

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	(Practical limit is 8 drives)	
Multi-streaming / Multiplexing	Up to 32 Streams	Up to 32 Streams
OpsCenter (Monitoring, Alerting, & Reporting)	Yes	Yes
Disk Staging, Synthetic Backups, Inline Copy	Yes	Yes
Storage Lifecycle Policy	Yes	Yes
Open File Support (no additional charge)	Yes	Yes
Backup Network Drives / Follow NFS Mounts	Yes	Yes
API Library Robots (ACS, LMF, TLH, TLM)	No	Yes
FEATURES	NETBACKUP SERVER	NETBACKUP ENTERPRISE SERVER
Integrated virtual machine solutions (VMware & Hyper-V), snapshots and SAN - NetBackup for VMware & Hyper-V - Local & off-host backup of a snapshot - Instant recovery from a snapshot - SAN-style backup/recovery	No	Yes
NetBackup RealTime	No	Yes
Granular File Recovery for Exchange, SharePoint	Yes	Yes
NetBackup Deduplication Option	Yes	Yes
NetBackup OpenStorage	Yes	Yes
NetBackup Virtual Tape	Yes	Yes
NetBackup Shared Storage	Yes	Yes
NetBackup Media Server Encryption	Yes	Yes ^[1]
NetBackup for NDMP	Yes	Yes
NetBackup Vault	Yes	Yes
NetBackup Desktop & Laptop	Yes	Yes

NetBackup Enterprise Server

Enterprise Server contains the code for both the Master and Media Server. The Master and Media server are contained with a single SKU description / line. NetBackup Master and Media Server pricing is based on the tier of the machine and not the number of domains that the machine is running. The tier of the machine is determined by the number of populated processor sockets on the machine. Customers purchase 1 license, no matter how many domains this machine is running. The only current exceptions are the IBM SP series and HP EPS.

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Enterprise Server, Master/ Media Server, UNIX (includes Solaris SPARC)	Per Tiered Server	\$10,000	\$13,000	\$17,000	\$27,000
NetBackup Enterprise Server, Master/Media Server, Windows, Linux, or Solaris x64	Per Tiered Server	\$5,000	\$5,500	\$8,000	\$12,000

^[1] Media Server Encryption Option can technically be used with NBU Server, but the recommended architecture normally requires multiple Media Servers and would therefore require an Enterprise Server license.

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NOTE:

- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ on SCORE or Partners & Resellers](#), located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.

NetBackup Server

Designed as a cost-effective data protection solution for midsize environments, NetBackup Server is licensed per NetBackup Server storage domain. A NetBackup Server storage domain supports one (1) backup server protecting multiple clients and NDMP NAS systems. Not all agents and options are supported with NetBackup Server (see previous section).

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Server, UNIX	Per Tiered Server	\$4,000	\$5,200	\$6,800	\$10,800
NetBackup Server, Windows, Linux, or Solaris x64	Per Tiered Server	\$2,000	\$2,200	\$3,200	\$4,800

NOTE:

- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ on SCORE or Partners & Resellers](#), located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.
- For smaller customers (small to mid-market) interested NetBackup Server, no greater than a Tier-2 type server, we offer a sales bundle called [NetBackup Starter Packs](#). Additional information towards the back of this guide.

DISK-BASED INFRASTRUCTURE COMPONENTS

Basic Disk

Basic Disk backup can be used for backing up to a basic disk storage unit or for temporary staging of data before writing it to tape. Basic disk backup in NetBackup is available at no additional charge and does not require an additional license, see licensing restrictions below. Please note the Storage Lifecycle policies cannot be used with Basic Disk.

The license entitlement related to Basic Disk changed in September 2008. Customers are required to purchase a NetBackup Enterprise Disk license if Basic Disk is used with devices configured to perform deduplication. Prior to this change certain deduplication devices could be connected to NetBackup using the Basic Disk interface with no additional license required.

Enterprise Disk

In addition to providing high-performance disk backup for VTLs and OST enabled appliances, Enterprise Disk enable other advanced features such as Storage Lifecycle Policies, Media Server Load Balancing, and Intelligent Disk Capacity Management. You should know that not all of these features are applicable to every type of disk media.

Licensing is based on the amount of front-end data to be protected on source systems (front-end terabyte). A front-end terabyte is defined as the aggregate amount of data on the client machines measured as the current largest aggregate full.

NetBackup Virtual Tape Feature

NetBackup Virtual Tape feature enables support for 3rd party virtual tape offerings.





NetBackup™ 7

- Supports unlimited number of virtual tape drives
- Includes sharing of virtual tape drives; no SSO license required
- A list of NetBackup supported virtual tape libraries can be located on the NetBackup Device and Library Compatibility Matrix: <http://www.symantec.com/enterprise/support>

NetBackup OpenStorage (OST) Feature

The OpenStorage disk feature enables advanced access and control of qualified 3rd party intelligent disk devices (typically appliances). Hardware vendors write a “plug-in” that conforms to the NetBackup OpenStorage API and enables communication between NetBackup and the vendor device. These must be qualified by Symantec to be supported. The exact functionality offered by each vendor will vary based on what they have written into their plug-in.

An example of functionality provided by the OpenStorage Disk Option would be the ability to backup to an OpenStorage disk target, which can optimize the duplication backup images. Optimized duplication enables the OpenStorage device to copy the backup image in whatever optimal manner it can to another OpenStorage device of the same kind (i.e., of the same vendor).

- OpenStorage Solutions available as of publication date:
- Data Domain
- EMC
- FalconStor
- Quantum

There are over 13 major storage partners signed up for OST. Always check the Hardware Compatibility List for the latest list of storage partners with qualified OpenStorage plug-ins. <http://seer.entsupport.symantec.com/docs/284599.htm>

Product Description	License	MSRP
Enterprise Disk	Per 1 Front End TB	\$1,395

NOTE:

- Customers who had purchased Flexible Disk, Virtual Tape or OpenStorage Options and had active maintenance were upgraded to Enterprise Disk in September 2008. Each customer received 1 Front-End TB of Enterprise Disk for every Virtual TB of Flexible Disk, Virtual Tape and OpenStorage.
- All Standard Disk customers with active maintenance will be entitled to upgrade to Enterprise Disk 7.

NETBACKUP DEDUPLICATION OPTION (FORMERLY PUREDISK)

Licensing NetBackup Deduplication Option

- The Veritas NetBackup PureDisk license has been renamed to the NetBackup Deduplication Option license. New deduplication features in NetBackup 7 are also license with this option.
- All deduplication features provided by NetBackup, with the exception of dedupe provided by 3rd party devices, is licensed with this new option.
- Licensing for NetBackup Deduplication Option is identical to licensing a NetBackup environment such that Symantec licenses for a client component and an infrastructure component.



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- Licensing for clients and database and applications is identical to NetBackup. Symantec requires a client license and/or an application and database agent for every system protected by a NetBackup Deduplication Option.
- Licensing for the infrastructure component, NetBackup PureDisk Deduplication Option, is based on the amount of front-end data to be protected on source systems (front-end terabyte). If a media server is used as part of the configuration, a NetBackup Enterprise Server or NetBackup Server license is required.

High Availability with Veritas Cluster Server

- The NetBackup PureDisk Storage Pool can be configured for high availability using Storage Foundation and Veritas Cluster Server. There are no additional licenses required to access these features. In other words, when a customer licenses NetBackup Deduplication Option capacity, they are entitled to deploy this software as part of their PureDisk storage pool configuration. The software code for Storage Foundation for Linux and Veritas Cluster Server is included with the download packages and media.

Front-End Terabyte

- A front-end terabyte is defined as the aggregate amount of data on the client machines measured as the current largest aggregate full. Note that we are measuring the actual data to be protected, not the capacity of storage on which it resides or the aggregate amount of data backed up to disk.
- e.g., a system with a 500GB hard drive holding 50GB of data to be protected would be measured as 50GB of Front End capacity.
- Note that you should also factor a growth rate into Front-End capacity estimate (e.g., 50GB of data today – estimated growth of 20% a year (10 additional GBs by the end of the year) = 60 GB of front-end data to protect over the next year.

Determining License Quantities

- You will need the following information to determine license quantities
- Number of servers / systems to be protected
- Number of applications / databases and tier of machine on which each one runs
- Amount of front-end terabytes to be protected
- Estimated growth rate in source data

Product Description	License	MSRP
NetBackup Deduplication Option	Per 1 Front End TB	\$4,995
NetBackup Deduplication Option	Per 250 Front End GB	\$1,750

NOTE:

- NetBackup Deduplication Option DOES NOT require an Enterprise Disk (OpenStorage) license.
- The license entitlement for the NetBackup Standard client enables customers to deploy either or both types of client code to the same machine with a single license. The same also applies to the database and application agent packs.
- NetBackup Deduplication Option has its own media kit available for purchase or download.

NETBACKUP REALTIME

NetBackup RealTime is part of the NetBackup Platform and can be sold as a standalone product or as an add-on option to an existing NetBackup environment.



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- Licensing for RealTime is identical to licensing a NetBackup environment. This means that both a client component and an infrastructure component must be licensed.
- If being used with NetBackup a NetBackup Standard Client is required for each host that RealTime is protecting. There is no licensing specifically for the RealTime Client other than the NetBackup Standard Client. If a host is running an application or database it would optionally need a NetBackup Application and Database Pack (and a NetBackup Standard Client license) in order to get integrated application awareness with NetBackup.
- The NetBackup Application and Database Pack is not required if the user only needs storage block level protection for the file system without application awareness.
- Although RealTime uses the Snapshot Client technology included with the Enterprise Client, an Enterprise Client license is not required.
- Licensing for the infrastructure component of NetBackup RealTime is the same as with NetBackup Deduplication Option and Enterprise Disk, and is based on the amount of front-end data to be protected on source systems (front-end terabyte).

The Front End Terabytes can be found very easily through the RealTime UI by looking at the size of the file systems and volumes across all the host clients that make up a protected application. Simply multiply the “Size” column by the percentage “Used” column and sum the rows. This can be found in "Monitor" -> "Clients" as seen here:

File System Type	Mount Point	Size	Used
ufs	/	29.45G	83%
ufs	/sol_plun2	9.81G	7%
ufs	/sol_plun3	4.89G	7%
ufs	/sol_plun	9.81G	2%
ufs	/nbu_ora	9.81G	44%
ufs	/myvol1	961M	18%
vxfs	/myvol2	1G	2%
ufs	/c1t0	29.45G	42%

Free NetBackup Catalog Replication

NetBackup RealTime can be used to protect the NetBackup Catalog and Master Server in a crash consistent format for free. Any number of Front End Terabytes that constitute the Master Server is exempt from the infrastructure component and client component of the licensing. There is no Snapshot Client functionality for a NetBackup Master Server so the Enterprise Client license is not needed for this type of environment. The NetBackup Catalog and Master Server can either be protected locally with CDP or replicated for disaster recovery purposes. Any data that NetBackup protects is not exempt and would need to be licensed if being protected with RealTime. Any version of NetBackup can be protected for free with RealTime since the free use is through the licensing agreement that needs to be agreed to when installing RealTime 7 and not when agreeing to any specific NetBackup version being installed.

Operating System, Application Applications and Databases and Cluster Environment Support

RealTime Can Protect the Following Operating Systems**

- Microsoft Windows - Windows Server 2003 and 2008 (both 32-bit and x64 Editions)





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- Unix - Solaris 9,10 (SPARC)

RealTime Can Protect the Following Applications and Databases**

- Microsoft Exchange 2003 and 2007
- Oracle Database
- SAP
- Any Application in Crash Consistent Format

RealTime Can Protect the Following Cluster Environments

- Veritas Cluster Server (VCS)
- Oracle Real Application Clusters (RAC)
- Microsoft Cluster Server (MSCS)
- Any Cluster Technology in Crash Consistent Format

Product Description	License	MSRP
NetBackup RealTime Protection	Per 1 Front End TB	\$8,995

NOTE:

- Please check the Hardware Compatibility List and Manuals for the latest client/host and application/ database support information at: <http://www.symantec.com/business/support/> .
- The applications, databases and cluster technology listed are simply what have been tested by Symantec with our partners to offer joint solutions. NetBackup RealTime is designed in a way to be compatible and supportable when used with any application, database or cluster technology.
- NetBackup RealTime server has its own media kit available for purchase or download but is also included in the NetBackup media kit.

TAPE INFRASTRUCTURE COMPONENTS

NetBackup Library Based Tape Drive

NetBackup support for physical tape drives controlled by a robotic library is licensed per physical tape drive; regardless of the manufacturer, type of device, or number of servers attached to the library. There is no charge for stand-alone, non-robotic tape drives directly attached to a NetBackup Master/Media Server or NetBackup Server. This is not applicable to licensing virtual tape libraries (VTLs). Please see the Enterprise Disk Option for licensing of virtual tape libraries (VTLs).

Product Description	License	MSRP
NetBackup Library Based Tape Drive	Per Robotic Controlled Tape Drive	\$3,000

NOTE:

- For an updated list of both supported drives and libraries, please visit <http://www.symantec.com/enterprise/support>.

NetBackup Shared Storage Option

NetBackup Shared Storage Option dynamically shares individual tape drives, standalone or in a robotic tape library, among multiple NetBackup Enterprise Servers and NDMP NAS systems. These servers can be a NetBackup Master Server, NetBackup Media Server, or NetBackup SAN Media Server.

NetBackup Shared Storage Option is licensed per shared tape drive, regardless of the manufacturer, type of device, or number of NetBackup Servers attached to the SAN. The NetBackup Shared Storage Option license is in addition to any required NetBackup Library Based Tape Drive licenses. If the shared tape drive is not included in a tape library, then only a Share Storage Option license is required. The Shared Storage Option is not needed when used with the NetBackup

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Virtual Tape Option.

Product Description	License	MSRP
NetBackup Shared Storage Option	Per Shared Drive	\$2,000

NOTE:

- NetBackup Shared Storage Option maintains an “open” support policy for all SAN equipment. To ensure reliability and performance, all servers must recognize the drives, via the SAN, before installation of NetBackup software.

NetBackup Vault

NetBackup Vault requires a license for each physical tape drive in physical tape libraries used as the source or destination for Vaulting. NetBackup Vault is licensed per NetBackup Storage Domain (i.e., one NetBackup Enterprise Master Server or NetBackup Server) and includes four NetBackup Vault physical tape drive licenses. If more than four physical tape drives are used in the libraries, a NetBackup Vault Additional Drive license would be required for each drive. A NetBackup Vault Unlimited Drive license provides support for unrestricted number of drives per NetBackup Storage Domain.

The new Storage Lifecycle Policy feature can be used for duplicating backup images from one tape library to another one, instead of using NetBackup Vault for duplication. If this is done, only the physical tape drives in the library ejecting tapes to be sent off-site and managed by NetBackup Vault would require NetBackup Vault tape drive licenses.

- The unlimited drive SKU includes the base NetBackup Vault license
- ALL physical tape drives in a library used for vaulting require a NetBackup Vault license
- When a VTL is the primary NetBackup storage and a customer wishes to run a duplication job to physical tape for offsite storage, the customer must have an appropriate tape drive licenses.

License Example

A customer either uses NetBackup Vault to duplicate backup images from a VTL to a 10-drive physical tape library or uses Storage Lifecycle Policies to perform backup image duplication, but uses NetBackup Vault to track tapes sent off-site. This would require a NetBackup Vault Base license and six NetBackup Vault Additional Drive licenses.

Product Description	License	MSRP
NetBackup Vault Base	Per Master Server / Server and (4) Physical Tape Drives	\$10,000
NetBackup Vault Additional Drive	Per Additional Physical Tape Drive in Vault Library	\$2,000
NetBackup Vault Unlimited Drives (w/ Base)	Per Master Server / Server (Storage Domain)	\$50,000

NOTE:

- As a measuring guideline, keep in mind licensing 24 physical tape drives to be used with NetBackup Vault equates to \$50K. Therefore, it is recommended to sell the NetBackup Vault Unlimited Drive license if the customer has over 24 physical tape drives that will be used for vaulting purposes.

OTHER INFRASTRUCTURE COMPONENTS

NetBackup Media Server Encryption Option (MSEO)



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The NetBackup Media Server Encryption Option consists of two purchased license components. The first is the Key Management Server for centralized and secure key management. One Key Management Server is required. The second component is the media server encryption license(s). One Media Server license is required for each NetBackup Media or SAN media server which will encrypt data.

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
Media Server Encryption Option Key Management Server	Per Server	----- \$10,000 -----			
Media Server Encryption Option for Enterprise Server, Windows / Linux	Per Tiered Server	\$5,000	\$5,500	\$8,000	\$12,000
Media Server Encryption Option for Enterprise Server, UNIX	Per Tiered Server	\$10,000	\$13,000	\$17,000	\$27,000
Media Server Encryption Option for SAN Media Server (Enterprise Client), Windows / Linux	Per Tiered Server	\$2,500	\$2,750	\$4,000	\$6,000
Media Server Encryption Option for SAN Media Server (Enterprise Client), UNIX	Per Tiered Server	\$5,000	\$6,500	\$8,500	\$13,500

NOTE:

- The Media Server Encryption Option is not included in the NetBackup Platform per Terabyte licensing model, but may be added by purchasing it for each media server it will run on, plus the MSEO Key Management Server license.
- Please see the [NetBackup Hardware Tier Matrix](#) in order to select the correct server tier.
- Please see the [NetBackup UNIX Server Tiering Policy Change FAQ on SCORE or Partners & Resellers](#), located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.

NetBackup for NDMP

NetBackup for NDMP provides reliable, high-performing backup and recovery services to tape or disk for NDMP-enabled devices. One NetBackup for NDMP license is required for each NDMP-enabled NAS requiring protection. NetBackup Enterprise Server and NetBackup Server can scale to protect an unlimited number of NDMP-enabled NAS devices.

Some NDMP devices have multiple heads (sometimes called data movers or controllers). This is taken into account in the tier listing (see notes).

- Example 1: A NetApp FAS3050c has two clustered heads with only one active controller. A single NDMP Tier 3 license is required. If both controllers are active a single NDMP Tier 4 license is required.
- Example 2: An EMC NS84 has four data movers (according to EMC, the last digit is the number of data movers). A single NDMP Tier 4 license is required.
- Licensing is per NDMP NAS (host) regardless of the configuration (local, 3-way, or Remote NDMP). For example, if a customer has 5 NDMP-enabled NAS devices that require backup or restore services from NetBackup, 5 NetBackup for NDMP licenses would be required.
- A small number of tape libraries also implement NDMP (use of this capability was more common prior to NetBackup adding SSO support for NDMP in NetBackup 6.0) and these also require a NDMP license.
- NDMP licenses are also required when using NetBackup managed NAS snapshots. When NetBackup is used to manage NAS snapshots, the NDMP host on which the snapshots are taken requires the appropriately tiered NDMP license.
- When NDMP is only used for duplication of backup images, such as with the VTL direct-to-tape or OST to tape, there is no need to purchase a NDMP license as that NDMP functionality is already enabled within NetBackup

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Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup for NDMP	Per Tiered NAS Device	\$3,500	\$6,500	\$10,500	\$15,500

- Note:
- Please visit <http://www.symantec.com/enterprise/support> for a complete list of NetBackup supported NDMP software (operating system running on NDMP NAS device). This list is for compatibility only.
 - Please see the [hardware tier guide on SCORE](#) or Partners & Resellers, located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents.

NETBACKUP STARTER PACKS

These are cost-effective software packages designed to meet the backup and recovery needs of midsize, heterogeneous environments. Including support for a NetBackup Server, library hosted tape drive, up to 2 Application and Database Packs for Windows, and five to forty clients, the NetBackup Starter Pack enables an easy to deploy, high performance backup and recovery experience right out-of-the-box.

Organizations with growing data protection needs, or who require online database protection and off-site tape management, can scale their NetBackup Starter Pack configuration with additional NetBackup Clients, Application and Database packs, and Options.

STARTER PACK – 5 CLIENT	STARTER PACK – 20 CLIENT	STARTER PACK – 40 CLIENT
<ul style="list-style-type: none"> • 5 clients (any OS) • 1 NBU Server (any OS, up to tier 2) • 1 tape drive license • 0 db agents 	<ul style="list-style-type: none"> • 20 clients (any OS) • 1 NBU Server (any OS, up to tier 2) • 1 tape drive license • 2 windows App & DB pack (up to tier 2) 	<ul style="list-style-type: none"> • 40 clients (any OS) • 1 NBU Server (any OS, up to tier 2) • 2 tape drives licenses • 3 windows App & DB pack (up to tier 2)
\$3,995	\$11,995	\$22,995

- NOTE:
- The individual components included in the Starter Pack **cannot be cross-graded to higher functioning products**. For example, a NBU Server license in the Starter Pack cannot be upgraded to NBU Enterprise Server.
 - These starter packs are also available for purchase online at Symantec.com.

OPSCENTER ANALYTICS (FORMERLY VERITAS BACKUP REPORTER)

Determining License Quantity

The OpsCenter Analytics licensing model for reporting on backup products with version 7 has changed from 6.5 Backup Reporter. In 7 a license is required for every physical client with an active backup policy. The client count should include all hosts which may include master and media servers as well if they are being backed up. The rule of thumb is that if you are backing it up, you need a Backup Reporter client to report on it.

The same SKU is used regardless of the backup application being reported on. OpsCenter Analytics reports on Veritas NetBackup, NetBackup PureDisk, Symantec Backup Exec, as well as CommVault Galaxy, EMC NetWorker and IBM Tivoli Storage Manager. The only exception is for Enterprise Vault which is a separate SKU and license.

OpsCenter Analytics for Enterprise Vault license is required for reporting on Enterprise Vault. This license is to align the licensing with how Enterprise Vault is licensed which is per user. There is no entitlement to existing users of OpsCenter Analytics since this is a unique offering.





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Quoting Examples

Please follow standard Symantec quoting and discount approval processes. No manual orders or discount approval overrides will be accepted outside of the standard Symantec policies and procedures.

Scenario 1: Mixed Backup Products

Customer has 1000 backup clients, including 2 master servers and 10 media servers; 700 are NetBackup and 300 for IBM TSM

- Customer would buy 1,000 OpsCenter Analytics client licenses

Scenario 2: Mixed Backup Products

Customer has 750 clients equally split across NetBackup, Backup Exec and EMC NetWorker

- Customer would buy 750 OpsCenter Analytics client licenses

Scenario 3: Virtual Machines

Customer has 5 virtual machines running on a single physical server

- Customer would buy 1 OpsCenter Analytics client licenses

Scenario 4: Enterprise Vault Reporting

Customer has 10,000 user mailboxes in Exchange that are being archived through Enterprise Vault

- Customer would buy 10,000 OpsCenter Analytics for Enterprise Vault user licenses

Scenario 5: Backup and Enterprise Vault Reporting Together

Customer has 200 machines that are being backed up. They are using NetBackup, Backup Exec and IBM TSM to back up the 200. They are also running 10,000 Exchange mailboxes that are being archived through Enterprise Vault.

- Customer would buy 200 “OpsCenter Analytics” client licenses. The customer would also have to buy the 2nd SKU called “OpsCenter Analytics for Enterprise Vault” and they would need a quantity of 10,000

Product Description	License	MSRP
OpsCenter Analytics	Per Client	\$138
OpsCenter Analytics for Enterprise Vault	Per User	\$5.19

Note:

- Please refer to the latest posted hardware compatibility list at <http://entsupport.symantec.com/docs/297501>.

NETBACKUP PLATFORM PER TERABYTE LICENSING MODEL

The NetBackup Platform is a new simplified licensing model that enables customers to license NetBackup using a single meter, per front-end terabyte. *Please note, this model, does not include NetBackup Media Server Encryption Option or Desktop and Laptop Option. These products must be licensed by their respective meters.*

Benefits of the NetBackup Platform per TB licensing model:

- Deployment for optimal performance – with the entitlement to NetBackup limited only by the amount for front end terabytes - customers can deploy the optimal configuration and architecture
- Easy and economical way to obtain advanced features - the best pricing for NetBackup’s advanced features is with the Enterprise Capacity licensing model
- Simplified pricing and licensing compliance - singly metric to understand, track and comply thus reducing cost of acquisition and license management
- Value is tied to the amount of data being protected



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NetBackup Platform SKUs and Included Products

NETBACKUP PLATFORM BASE	NETBACKUP PLATFORM DEPLICATION ADD-ON	NETBACKUP PLATFORM CAPACITY REALTIME ADD-ON
NetBackup Standard Client	NetBackup Deduplication Option	NetBackup RealTime Protection
NetBackup Enterprise Client		
NetBackup Application & Database Pack		
NetBackup SAP Agent		
NetBackup Enterprise Server		
NetBackup Server		
NetBackup Library Based Tape Drive		
NetBackup Shared Storage Option		
NetBackup Vault Option		
NetBackup Enterprise Disk		
NetBackup NDMP Option		
Ops Center Analytics		

Licensing Requirements

Customers must be licensed for all front-end terabytes protected by NetBackup. There should be no instances where the number of front-end terabytes backed up exceeds the number of front-end terabytes licensed; in this case the customer is out of compliance and must purchase additional front end terabyte licenses

The NetBackup Platform Base license must be purchased for all front-end terabytes in the NetBackup domain. The NetBackup Platform Deduplication Add-on and NetBackup Platform RealTime Add-on licenses can be purchased for the distinct terabytes that they will protect.

For example, the size of the total environment is 10 terabytes, 3 of the terabytes will be protected with NetBackup Duplication Option and 2 with RealTime Protection, the licensing requirements would be the following;

- 10 terabytes of NetBackup Platform,
- 3 terabytes of the NetBackup Platform Deduplication Add-on and
- 2 terabytes of the NetBackup Platform RealTime Add-on

Measuring Front-end Terabyte

NetBackup Platform model uses front-end terabyte as the licensing meter. Front-end terabyte is defined as the total aggregate amount of data on Clients or Devices on which NetBackup is installed or for which NetBackup is used to provide backup functionality. Data is measured as the current largest aggregate full (or synthetic full) backup performed. A terabyte is defined as 1024 gigabytes. Please note:

- Data that is no longer on the client but the backup image is maintained by NetBackup. This data is not included in the calculated number of front-end terabytes
- Primary storage performs deduplication. The quantity of pre-deduplicated data is calculated
- Archived data is not calculated unless it is backed up by NetBackup. If achieved data is protected by NetBackup then the amount of data residing in the archive is measured





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Licensing for New NetBackup Customers

- Determine the total amount of source data to be protected (measured in front-end terabytes) for the term of the agreement (e.g. how much data will the customer have in 1, 2, or 3 years)
- Determine total amount of source data that will be protected by the NetBackup Duplication Option (PureDisk) and NetBackup RealTime

Licensing for Existing NetBackup Customers

Existing NetBackup customers can migrate their existing NetBackup Traditional licenses to NetBackup Platform per TB licensing mode. Customers will receive credit for all existing NetBackup licenses which have active maintenance. *NetBackup Desktop and Laptop Option and NetBackup Media Server Encryption option licenses are not eligible for migration.*

Migration Methodology

Licenses are migrated using a “list-for-list” methodology. Maintenance is converted using a “list-for-list” methodology with pro-rating for any portion of the maintenance that has been “consumed”. Customers will receive credit for any unused maintenance and it will be applied to the required purchase of 1 year of Essential maintenance. Once license and maintenance migration value is determined, it will be subtracted from the cost of NetBackup Platform licenses and maintenance.

Key points to remember when considering a license model switch or conversion:

- Customers can convert between licensing models at any time
- Customers are required to purchase one year of Essential Maintenance
- One conversion back to the traditional model from the capacity model is free within the first 2 years though there may be additional license or maintenance required for their environment which would not be free. After 2 years there is a 15% license conversion fee
- Migration Process
- Symantec Sales Representative contacts Symantec Regional Sales Operations and provides the customer's current install base record
- Symantec Regional Sales Operations will determine license migration credit using the Migration Tool and provide it to the Sales Representative
- Symantec Sales Representative will generate a quote based on the migration credit and the required quantity and type of licenses

Product Description	License	MSRP
NetBackup Platform Base	Per 1 Front End TB	\$12,500
NetBackup Platform Deduplication Add-on	Per 1 Front End TB	\$2,500
NetBackup Platform RealTime Add-on	Per 1 Front End TB	\$5,000

Note:

- Please refer to [NBU Platform Licensing](#) website for further details.

ADDITIONAL NETBACKUP PRICING AND LICENSING GUIDELINES

NetBackup Hardware Tier Overview





NetBackup™ 7

NetBackup Server, Enterprise Server, Enterprise Clients, Application and Database Packs, SAP Agent, Media Server Encryption Option are priced on a per machine basis -- independent of the number of domains in the box. The Tier of the required license is determined by the number of populated processor sockets on the machine

SERVER TIER	UNIX	WINDOWS / LINUX / SOLX64
Tier 1	1 to 2 processor sockets	1 processor socket
Tier 2	3 to 4 processor sockets	2 to 3 processor sockets
Tier 3	5 to 12 processor sockets	4 to 7 processor sockets
Tier 4	13 or more processor sockets	8 or more processor sockets

NDMP Tier Matrix

- Symantec Employees – [SCORE – Pricing & Licensing – NDMP Tiering Appendix](#)
- Resellers / Partners –located on PartnerNet under Licensing > Pricelists > Additional Pricing Documents

Virtual Machine Systems (e.g., VMware, Hyper-V, XenServer, Solaris Zones, IBM LPARs etc.) & Multiple Domains

NetBackup and PureDisk components - servers, clients, and database agents - are each licensed once per physical machine. *Exception: NetBackup Clients installed on IBM zSeries should be licensed once per virtual machine.*

See NetBackup TechNote 312604 (<http://seer.entsupport.symantec.com/docs/312604.htm>) for a statement of NetBackup support within virtual environments.

Virtual Machine Backup & Recovery: NetBackup Client/Agents in the VM

This is the most straightforward method of virtual machine backups. Backup data is transferred from the guest VM to the NetBackup or PureDisk server over the LAN. If a PureDisk client is used, the bandwidth advantages of client-side deduplication will be realized. When running a database application within a VM, it is recommended to use the associated NetBackup or PureDisk agent within the VM.

When using a NetBackup client in 1 or more guest VMs, one Standard or Enterprise Client is required per each host server. No more than 1 client license is required per host.

When using a NetBackup database/application agent in 1 or more guest VMs, one Application & Database Pack is required for each host server. No more than 1 Application & Database Pack license is required per host.

Virtual Machine Backup & Recovery: NetBackup for Hyper-V

An Enterprise Client license (based on tier of Hyper-V host) is required for each Hyper-V host. If the Hyper-V host will also be used as a media server, a NetBackup Enterprise Server license is required in addition to the Enterprise Client license.

To protect database applications within a VM, it is recommended to deploy the NetBackup database agent in the VM. Only one Application and Database Pack is required for each host. No more than 1 Application and Database Pack license is required per host.

New in NetBackup 7 is the ability to perform an off-host backup of a Hyper-V VM snapshot. This requires that the NetBackup Windows client be installed on both the Hyper-V host and the off-host Windows client. However, for consistency with NetBackup for VMware licensing practices, **the off-host capability is included in the Enterprise Client license of the Hyper-V host.**



NetBackup™ 7

Also new in NetBackup 7 is support for Hyper-V clusters. Any/only Hyper-V hosts (cluster nodes) that contain virtual machines protected by NetBackup require an Enterprise Client license. Also, licensing must account for any migration of VMs between nodes. In other words, if a set of cluster nodes are used to load-balance VMs, all nodes that participate must be licensed.

Virtual Machine Backup & Recovery: VMware vStorage vs. VCB

NetBackup 7 for VMware supports the latest vSphere vStorage APIs for Data Protection (vStorage), as well as the earlier VMware Consolidated Backup (VCB) technology. Whenever possible, using vStorage is the recommended approach, because:

- a) it typically results in approximately a 50% reduction of VM backup time, and
- b) it eliminates the need for a large disk staging area on the off-host client

when compared to VCB. See NetBackup TechNote 312604 (<http://seer.entsupport.symantec.com/docs/312604.htm>) for the minimum software requirements of vStorage. If the minimum requirements are not met, then consider VCB as an alternative. To highlight the differences between VCB and vStorage:

VCB

- VCB is packaged, licensed, and installed separately by VMware
- VCB requires a NetBackup Windows client for off-host backup of VMs
- VCB copies the entire VM snapshot to a staging area on the NetBackup off-host client
- NetBackup backs up the copy from the staging area
- VCB is supported, but no longer enhanced by VMware

vStorage

- vStorage is bundled, licensed, and installed with NetBackup for VMware
- vStorage requires a NetBackup Windows client for off-host backup of VMs
- vStorage does not require a staging area and does not copy the snapshot
- NetBackup backs up the snapshot directly from the VMware host (ESX) server
- vStorage enables block-level incremental backups, and will continue to be enhanced by VMware

Virtual Machine Backup & Recovery: NetBackup for VMware

Note in the comparison above that a NetBackup Windows client (a.k.a. backup host) is a minimum requirement for using NetBackup for VMware, regardless of which vStorage or VCB technology is used.

An Enterprise Client license (based on tier of VMware host) is required for each VMware host (aka ESX server).

The NetBackup Windows client (backup host) can be deployed as a VM on the VMware ESX server, eliminating the off-host backup advantages. This can be done when the deployment of a physical backup server is not possible. If the backup host VM is also a NetBackup Server, then an Enterprise Server license is still required.

In a VMware cluster, any/only VMware hosts (cluster nodes) that contain virtual machines protected by NetBackup require an Enterprise Client license. Also, licensing must account for any migration of VMs between nodes. In other words, if a set of cluster nodes are used to load-balance VMs, all nodes that participate must be licensed.

To protect database applications within a VM, it is recommended to deploy the NetBackup database agent in the VM.

Only one Application and Database Pack is required for each host. No more than 1 Application and Database Pack license is required per host.

Blade Servers

NetBackup components (Servers, Clients, Agents, and Options) are licensed per physical system. Therefore, each blade server will require separate NetBackup licenses. NetBackup is not licensed per rack of servers.

Cluster Environments

Licensing Policy

NetBackup licenses (servers, clients, agents, and options) are required for all nodes of a cluster. However, customers are entitled to install and use one additional copy of the licensed software per the conditions set forth in the Cold DR Licensing Policy.

Clustering of Media Servers and SAN Media Servers

Support for active/passive clustering of Media Servers and SAN Media Servers has been discontinued in NetBackup 7.

The Master/Media Server in a NetBackup Server (two tier) configuration is only supported in a clustered environment on Windows and using Veritas Cluster Server or Microsoft Cluster Server. (In this case only one NetBackup Server license is required for the active node.) However, NetBackup Clients, Options, and Agents that are attached to a NetBackup Server are supported in a clustered environment using the same clustering combinations supported with NetBackup Enterprise Server.

Please visit <http://www.symantec.com/enterprise/support> for a complete list of all NetBackup supported clustering products.

Cold DR Licensing Policy

Customers are entitled to install and use one additional copy of the licensed software as a Cold DR License on a Cold DR Equipment located at a Cold DR Site as part of a cluster of production servers. The requirements for such installation and use are;

- The product, product version and duration of the Cold DR license and the underlying production license of the must be identical.
- The right to use the Cold DR Licenses will automatically terminate if the customers is fails to stay current on maintenance for the underlying licensed software.
- With the exception of Failover Readiness Testing, for up to twelve days per calendar year, the Cold DR Licenses cannot be used simultaneously with the production licenses
- The Cold DR Equipment on which Cold DR Licenses are deployed must be turned off or remain idle except for: use in the case of an actual Disaster; or use in the case when a production server in a cluster of servers fails and production work is “failed-over” to a designated cold or idle server that is part of the cluster in conjunction with an actual Disaster or as part of a test.
- In the event of an actual Disaster, the Cold DR License may be used in production for a period of up to ninety successive calendar days. At the conclusion of such period, if the production site has not been restored, the customer must request Symantec in writing for a transfer of the production license to the DR Site in accordance with Symantec’s then-current transfer policies. Fees may be applicable to any such transfers.

Cold Disaster Recovery Equipment” or “Cold DR Equipment” means a server, processor or device that has the Cold DR license installed and configured but is either turn-off or is idle. An idle or “passive” mode and configuration refers to the server in a high availability cluster that has database and/or applications installed, but are not servicing user transactions or query workloads during periods of normal operation.



NetBackup™ 7

“Cold Disaster Recovery License” or “Cold DR License” means a copy of the licensed software deployed on Cold DR Equipment granted by Symantec for the sole purpose of use by a customer in accordance with the requirements described above in the event of a Disaster.

Clustering of Media Servers and SAN Media Servers

Support for active/passive clustering of Media Servers and SAN Media Servers has been discontinued in NetBackup 7.

The Master/Media Server in a NetBackup Server (two tier) configuration is only supported in a clustered environment on Windows and using Veritas Cluster Server or Microsoft Cluster Server. (In this case only one NetBackup Server license is required for the active node.) However, NetBackup Clients, Options, and Agents that are attached to a NetBackup Server are supported in a clustered environment using the same clustering combinations supported with NetBackup Enterprise Server.

Please visit <http://www.symantec.com/enterprise/support> for a complete list of all NetBackup supported clustering products.

UPGRADE PATHS

Existing NetBackup Customers

Existing customers receive an automatic notification email and letter that announces that availability of a new version and which provides the serial number needed to register at the customer care License Portal. Customer care should be able to help customers who did not receive this letter or who have lost it.

- The preferred download method from FileConnect is the managed download. This is the better option because the download can resume if interrupted. The http download will restart the download process.
- If your customer has any issues generating their license keys at the License Portal please pro-actively help by working with customer care. The NetBackup business team substantial streamlined NetBackup 7 licensing so your customer may likely have questions.

What documentation is available to help me upgrade my customer to NetBackup 7?

The NetBackup 7 Upgrade Portal is intended to be a one-stop-shop for all documentation to help customers quickly and effectively plan and then execute an upgrade from their existing NetBackup implementation to NetBackup 7. The material at the portal will continue to evolve over time.

- NetBackup 7 Upgrade portal: <http://entsupport.symantec.com/docs/332137>
- NetBackup 6.5 Upgrade portal: <http://support.veritas.com/docs/290185>

Version Upgrade Mapping Table

NET BACKUP CLIENTS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Option Desktop and Laptop 6.1 Win 100 Desktops or Laptops	NetBackup Option Desktop and Laptop 6.0 Win 100 Desktops or Laptops	NetBackup Option, Windows, Desktop and Laptop Option, Desktops or Laptops,v5.0
NetBackup Standard Client 7.0 XPLAT	NetBackup PureDisk Standard Client 6.6 XPLAT	NetBackup PureDisk Standard Client 6.5 XPLAT
	NetBackup Standard Client 6.5 XPLAT	NetBackup Client Protect Server 6.0 LNX
		NetBackup Client Protect Server 6.0 LNX Netware
		NetBackup Client Protect Server 6.0 UNX

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		NetBackup Client Protect Server 6.0 VMS
		NetBackup Client Protect Server 6.0 WIN
		NetBackup Client Protect Server 6.0 XPLAT
	NetBackup Workstation Client 6.5 XPLAT	NetBackup Client Protect Workstation 6.0 LNX
Functionality included in NetBackup Standard Client	Functionality included in NetBackup Standard Client	NetBackup BareMetal Restore 6.0 LNX
		NetBackup BareMetal Restore 6.0 UNX
		NetBackup BareMetal Restore 6.0 WIN
		NetBackup BareMetal Restore 6.0 XPLAT
	Functionality included in NetBackup Workstation Client	NetBackup Encryption Option Protect Workstation 6.0 XPLAT
NetBackup Enterprise Client 7.0 UNX	NetBackup Enterprise Client 6.5 UNX	NetBackup Enterprise Server Advanced Client 6.0 UNX
		NetBackup Server SAN Media Server 6.0 UNX
NetBackup Enterprise Client 7.0 WIN/LNX/SOLX64	NetBackup Enterprise Client 6.5 LNX	NetBackup Enterprise Server Advanced Client 6.0 LNX
		NetBackup Server SAN Media Server 6.0 LNX
	NetBackup Enterprise Client 6.5 WIN	NetBackup Enterprise Server Advanced Client 6.0 WIN
		NetBackup Server SAN Media Server 6.0 WIN
	NetBackup Enterprise Client 6.5 SOL X64	
NET BACKUP APPLICATION AND DATABASE		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Client Application and Database Pack 7.0 UNX	NetBackup PureDisk Client Application and Database Pack 6.6 UNX	
	NetBackup Client Application and Database Pack 6.5 UNX	NetBackup DB2 Agent 6.0 UNX
		NetBackup Informix Agent 6.0 UNX
		NetBackup Lotus Notes Agent 6.0 UNX
		NetBackup Oracle Agent 6.0 UNX
NetBackup Sybase Agent 6.0 UNX		
NetBackup Client Application and Database Pack 7.0 WIN/LNX/SOLX64	NetBackup PureDisk Client Application and Database Pack 6.6 WIN	NetBackup PureDisk Client Application and Database Pack 6.5 WIN
	NetBackup Client Application and Database Pack 6.5 LNX	NetBackup Sybase Agent 6.0 LNX
		NetBackup DB2 Agent 6.0 LNX
		NetBackup Lotus Notes Agent 6.0 LNX
		NetBackup Oracle Agent 6.0 LNX
	NetBackup Client Application and Database Pack 6.5 WIN	NetBackup Exchange Agent 6.0 WIN
		NETBACKUP Lotus Notes Agent 6.0 WIN
		NetBackup Oracle Agent 6.0 WIN
		NetBackup SharePoint Portal Agent 6.0 WIN
		NetBackup SQL Agent 6.0
NetBackup Sybase Agent 6.0 WIN		
	NetBackup DB2 Agent 6.0 WIN	
	NetBackup Client Application and Database Pack 6.5 SOL X64	

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NetBackup SAP Agent 7.0 UNIX	NetBackup SAP Agent 6.5 UNX	NetBackup SAP Agent 6.0 UNX
NetBackup SAP Agent 7.0 WIN/LNX/SOLX64	NetBackup SAP Agent 6.5 LNX	NetBackup SAP Agent 6.0 LNX
	NetBackup SAP Agent 6.5 WIN	NetBackup SAP Agent 6.0 WIN
	NetBackup SAP Agent 6.5 SOL X64	
CORE INFRASTRUCTURE		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Server 7.0 UNX	NetBackup Server 6.5 UNX	NetBackup Server 6.0 UNX
NetBackup Server 7.0 WIN/LNX/SOLX64	NetBackup Server 6.5 LNX	NetBackup Server 6.0 LNX
	NetBackup Server 6.5 WIN	NetBackup Server 6.0 WIN
	NetBackup Server 6.5 SOL X64	
NetBackup Enterprise Server 7.0 UNX	NetBackup Server Enterprise Server 6.5 UNX	NetBackup Enterprise Server 6.0 UNX
NetBackup Enterprise Server 7.0 WIN/LNX/SOLX64	NetBackup Server Enterprise Server 6.5 LNX	NetBackup Enterprise Server 6.0 LNX
	NetBackup Server Enterprise Server 6.5 WIN	NetBackup Enterprise Server 6.0 WIN
	NetBackup Server Enterprise Server 6.5 SOL X64	
TAPE INFRASTRUCTURE COMPONENTS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Option Library Based Tape Drive 7.0 XPLAT	NetBackup Option Library Based Tape Drive 6.5 XPLAT	NetBackup Option Library Based Tape Drive 6.0 XPLAT
NetBackup Option Shared Storage Option 7.0 XPLAT	NetBackup Option Shared Storage Option for Tape 6.5 XPLAT	NetBackup Option Shared Storage Option 6.0 XPLAT
NetBackup Option Vault Additional Drive 7.0 XPLAT	NetBackup Option Vault Additional Drive 6.5 XPLAT	NetBackup Option Vault 6.0 XPLAT Additional Drive
NetBackup Option Vault Base 7.0 XPLAT	NetBackup Option Vault Base 6.5 XPLAT	NetBackup Option Vault 6.0 XPLAT Base
NetBackup Option Vault Unlimited Base 7.0 XPLAT	NetBackup Option Vault Unlimited Base 6.5 XPLAT	NetBackup Option Vault 6.0 XPLAT Unlimited Base
DISK-BASED INFRASTRUCTURE COMPONENTS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Enterprise Disk 7.0 XPLAT 1 Front End TBYTE	NetBackup Standard Disk 6.5 XPLAT Per Front End TBYTE	
	NetBackup Enterprise Disk 6.5 XPLAT Per Front End TBYTE	NetBackup Option Flexible Disk Option 6.5 XPLAT 1 TBYTE Virtual Capacity
		NetBackup Option OpenStorage Disk Option 6.5 XPLAT 1 TBYTE Virtual Capacity
		NetBackup Option Virtual Tape 6.5 XPLAT 1 TBYTE Virtual Capacity
		NetBackup Option Disk Optimization 6.0 XPLAT Usable Disk Capacity 1 TBYTE
NetBackup Option 6.0 XPLAT Virtual Tape Option 1TB Usable Disk Capacity		
NetBackup Deduplication Option 7.0 XPLAT 1 Front End TBYTE	NetBackup PureDisk 6.6 XPLAT 1 Front End TBYTE	NetBackup PureDisk 6.5 XPLAT 1 TBYTE Front End Capacity
NetBackup Deduplication Option 7.0 XPLAT 250 Front End GBYTE	NetBackup PureDisk 6.6 XPLAT 250 Front End GBYTE	NetBackup PureDisk 6.5 XPLAT 250 GB Front End Capacity
- NetBackup Deduplication Option 7.0 XPLAT 1 Front End TBYTE	NetBackup PureDisk Std Client 20 Pack with NetBackup PureDisk 6.6 XPLAT 1 Front End	

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- (20) NetBackup Standard Client 7.0 XPLAT	TBYTE BNDL	
RealTime 7.0 XPLAT 1 Front End TBYTE	NetBackup RealTime Protection 6.5 XPLAT 1 per TB Front End Capacity	NetBackup RealTime Protection 4.5 XPLAT 1 TBYTE Front End Capacity
OTHER INFRASTRUCTURE COMPONENTS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Option NDMP 7.0 XPLAT	NetBackup Option NDMP Option 6.5 XPLAT	NetBackup Option NDMP Option 6.0 XPLAT
NetBackup Media Server Encryption Option Key Management Server 6.1 XPLAT	NetBackup Media Server Encryption Option Key Management Server 6.1 XPLAT	NetBackup Media Server Encryption Option Key Management Server 6.0 XPLAT
NetBackup Media Server Encryption Option for Enterprise Server 6.1 UNX	NetBackup Media Server Encryption Option for Enterprise Server 6.1 UNX	NetBackup Media Server Encryption Option for Enterprise Server 6.0 UNX
NetBackup Media Server Encryption Option for Enterprise Server 6.1 WIN/LNX/SOLX64	NetBackup Media Server Encryption Option for Enterprise Server 6.1 XPLAT	NetBackup Media Server Encryption Option for Enterprise Server 6.0 WINDOWS / LINUX
NetBackup Media Server Encryption Option for SANMedia Server 6.1 UNX	NetBackup Media Server Encryption Option for SANMedia Server 6.1 UNX	NETBACKUP MEDIA SERVER ENCRYPTION OPTION FOR SANMEDIA SERVER 6.0 UNX
NetBackup Media Server Encryption Option for SANMedia Server 6.1 WIN/LNX/SOLX64	NetBackup Media Server Encryption Option for SANMedia Server 6.1 XPLAT	NetBackup Media Server Encryption Option for SANMedia Server 6.0 WINDOWS / LINUX
NET BACKUP PER TERABYTE LICENSING		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Platform Base 7.0 XPLAT 1 Front End TBYTE	NetBackup Enterprise Capacity 6.5 XPLAT Per Front End TB	
NetBackup Platform RealTime Add-on 7.0 XPLAT 1 Front End TBYTE	NetBackup Enterprise Capacity RealTime Add-on 6.5 XPLAT Per Front End TB	
NetBackup Platform Deduplication Option Add-on 7.0 XPLAT 1 Front End TBYTE	NetBackup Enterprise Capacity PureDisk Add-on 6.6 XPLAT 1 Front End TBYTE	NetBackup Enterprise Capacity PureDisk Add-on 6.5 XPLAT Per Front End TB
NetBackup Standard Infrastructure 7.0 XPLAT 1 Front End TBYTE	NetBackup Standard Infrastructure 6.5 XPLAT 1 Front End TBYTE	
NetBackup Enterprise Infrastructure 7.0 XPLAT 1 Front End TBYTE	NetBackup Server Enterprise Infrastructure 6.5 XPLAT 1 Front End TBYTE	
NetBackup Premium Infrastructure Deduplication Option 7.0 XPLAT 1 Front End TBYTE	NetBackup Server Premium Infrastructure PureDisk 6.6 XPLAT 1 Front End TBYTE	NetBackup Server Premium Infrastructure PureDisk 6.5 XPLAT 1 Front End TBYTE
NetBackup Premium Infrastructure RealTime Protection 7.0 XPLAT 1 Front End TBYTE	NetBackup RealTime Protection Server Premium Infrastructure 6.5 XPLAT per TB Front End Capacity	
OPSCENTER ANALYTICS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
OpsCenter Analytics 7.0 XPLAT	Backup Reporter 6.6 XPLAT	Backup Reporter 6.5 XPLAT
OpsCenter Analytics for Enterprise Vault 7.0	Backup Reporter for Enterprise Vault 6.6	
NET BACKUP STARTER PACKS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
NetBackup Server and 5 Std Client Starter Pack 7.0 UNX	NetBackup 6.5 UNX Server and 5 Client Starter Pack	NetBackup 6.0 UNX Server and 5 Client Starter Pack
		NetBackup Server Pack 6.0 UNX
		NBU Starter Pack UNIX 6.0
NetBackup Server and 5 Std Client Starter Pack 7.0 WIN/LNX/SOLX64	NetBackup 6.5 LNX Server and 5 Client Starter Pack	NetBackup 6.0 LNX Server and 5 Client Starter Pack
		NetBackup Server Pack 6.0 LNX

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		NBU Starter Pack LINUX 6.0
	NetBackup 6.5 WIN Server and 5 Client Starter Pack	NetBackup 6.0 WIN Server and 5 Client Starter Pack
		NetBackup Server Pack 6.0 WIN
		NBU Starter Pack WIN 6.0
	NetBackup 6.5 SOL X64 Server and 5 Client Starter Pack	
NetBackup Server and 20 Std Client Starter Pack 7.0 UNX	NetBackup 6.5 UNX Server and 20 Client Starter Pack	NetBackup 6.0 UNX Server and 20 Client Starter Pack
NetBackup Server and 20 Std Client Starter Pack 7.0 WIN/LNX/SOLX64	NetBackup 6.5 LNX Server and 20 Client Starter Pack	NetBackup 6.0 LNX Server and 20 Client Starter Pack
	NetBackup 6.5 WIN Server and 20 Client Starter Pack	NetBackup Client Protect Server 6.0 XPLAT 20 Client
		NetBackup 6.0 WIN Server and 20 Client Starter Pack
	NetBackup 6.5 SOL X64 Server and 20 Client Starter Pack	
NetBackup Server and 40 Std Client Starter Pack 7.0 UNX	NetBackup 6.5 UNX Server and 40 Client Starter Pack	NetBackup 6.0 UNX Server and 40 Client Starter Pack
NetBackup Server and 40 Std Client Starter Pack 7.0 WIN/LNX/SOLX64	NetBackup 6.5 LNX Server and 40 Client Starter Pack	NetBackup 6.0 LNX Server and 40 Client Starter Pack
	NetBackup 6.5 WIN Server and 40 Client Starter Pack	NetBackup 6.0 WIN Server and 40 Client Starter Pack
	NetBackup 6.5 SOL X64 Server and 40 Client Starter Pack	
EOL PRODUCTS		
CURRENT VERSION	PRIOR VERSION	PRIOR VERSION
No new version available	NetBackup Storage Migrator 6.5 UNX	NetBackup Storage Migrator 6.0 UNX
	NetBackup Storage Migrator Cluster Server Agent 6.5 SOL	NetBackup Storage Migrator Cluster Server Agent 6.0 UNX
	NetBackup Option Media Server 6.5 NetWare	NetBackup Option Media Server Option 6.0 NetWare
	NetBackup Option NAS SnapVault 6.5 XPLAT 1 TBYTE Usable Disk CPCTY	NetBackup Option NAS SnapVault 6.0 XPLAT Usable Disk Capacity 1 TBYTE

Backup Exec Customer Upgrade to NetBackup

Symantec offers customers a seamless technical and financial upgrade path from Backup Exec to NetBackup solutions. **Proof of purchase of Backup Exec is required before purchasing these upgrades!**

Client Components

Product Description	License	MSRP
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NetBackup Standard Client Upgrade from Backup Exec Remote Agent (CAL) for Windows	Per Client	\$395
NetBackup Desktop and Laptop Option (100) Upgrade from Backup Exec Desktop and Laptop Option (100)	Per 100 Desktops or Laptops	\$2,100

Application & Database Components

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Application & Database Pack Windows, Linux, or Solaris x64 Upgrade from Backup Exec Microsoft Exchange Agent, SQL Server Agent, SharePoint Agent, Lotus Notes Agent, or Oracle Agent	Per Server or Client	\$450	\$850	\$1,350	\$2,450
NetBackup for SAP Upgrade from Backup Exec SAP Agent	Per Server or Client	\$375	\$695	\$1,695	\$3,895

Core Infrastructure Components

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Enterprise Server, Windows, Linux, or Solaris x64 Upgrade from Backup Exec for Windows Server	Per NetBackup Enterprise Master/ Media Server	\$4,325	\$4,825	\$7,325	\$11,325
NetBackup Server, Windows, Linux, or Solaris x64 Upgrade from Backup Exec for Windows Server	Per NetBackup Server Domain	\$1,325	\$1,525	\$2,525	\$4,125

Tape Related Infrastructure Components

Product Description	License	MSRP
NetBackup Library Based Tape Drive Upgrade from Backup Exec Library Expansion Option	Per Drive	\$2,150
NetBackup Shared Storage Option Upgrade from Backup Exec SAN Shared Storage Option	Per Drive	\$650

Existing Customer Upgrade to NetBackup Enterprise Server

NetBackup software's Enterprise Server and Server versions share a common set of NetBackup Clients, Options and Agents. These common components have been consolidated into a single NetBackup license, price, and SKU set. In the event an organization requires advanced snapshot-based, SAN, and data center scalability solutions, a NetBackup Server investment can be seamlessly upgraded to a NetBackup Enterprise Server solution. To perform this seamless transition, only the backup server license will require an upgrade.

Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Enterprise Server, UNIX Upgrade from NetBackup Server	Per Master/Media Server	\$6,600	\$8,500	\$11,220	\$17,820
NetBackup Enterprise Server, Windows, Linux, or Solaris x64 Upgrade from NetBackup Server	Per Master/Media Server	\$3,300	\$3,600	\$5,280	\$7,920

NOTE: Proof of purchase of Veritas NetBackup Server is required before purchasing these upgrades!

Upgrade Standard Client to Enterprise Client

To upgrade the performance often associated with traditional client protection, NetBackup Enterprise Client software consolidates a variety of snapshot-based technologies into a single, easy to use data protection solution.



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Product Description	License	Tier 1	Tier 2	Tier 3	Tier 4
NetBackup Enterprise Client, Windows, Linux, Solaris x64 Upgrade from NetBackup Standard Client	Per Client	\$2,090	\$2,590	\$3,590	\$5,590
NetBackup Enterprise Client, UNIX Upgrade from NetBackup Standard Client	Per Client	\$4,590	\$6,090	\$8,090	\$13,090

FULFILLMENT

Overview

NetBackup 7 is an important release of NetBackup designed to extend the product's leadership position in the market. This section provides information on available documentation, media kits (and their contents), and how to obtain evaluation media and licenses.

- Documentation and media are shipped and purchased separately. There will be two media kits available for NetBackup. The classic NetBackup CD media kit will be available. Also a new DVD media kit will be offered for the first time. This will allow a transition period for customers because the intention is to provide just the DVD media kit for the next release of NetBackup.

Where to Find Features

The table below contains a list of commonly referred to features and products that are purchased as part of a different license.

PRODUCT OR FEATURE	LICENSE TO ENABLE IT
Bare Metal Restore (BMR)	Standard Client
Client Encryption Option	Standard Client
Snapshot Client	Enterprise Client
SAN Media Server	Enterprise Client
SAN Client	Enterprise Client
VMware VCB Off-Host Feature	Enterprise Client
Integrated Microsoft Hyper-V backup	Enterprise Client
Master Server	Enterprise Server / Server
Catalog Replication	Enterprise Server / Server
Media Server	Enterprise Server / Server
Deduplication Option	PureDisk Capacity License
OpenStorage	Enterprise Disk
Virtual Tape	Enterprise Disk
AdvancedDisk	Enterprise Disk
Disk Optimization Option	Enterprise Disk

NetBackup Documentation

Product Description	SKU	MSRP
VRTS NETBACKUP 7.0 UNIX DOC KIT	20714041	\$50
VRTS NETBACKUP 7.0 WIN DOC KIT	20714020	\$50



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UNIX/LINUX DOCUMENTATION KIT CONTAINS:	WINDOWS DOCUMENTATION KIT CONTAINS:
NetBackup Getting Started Guide	NetBackup Getting Started Guide
NetBackup Administrator's Guide for UNIX and Linux, Vol I	NetBackup Administrator's Guide for Windows, Vol I
NetBackup Administrator's Guide for UNIX and Linux, Vol II	NetBackup Administrator's Guide for Windows, Vol II
NetBackup Commands	NetBackup Commands
NetBackup Installation Guide for UNIX and Linux	NetBackup Installation Guide for Windows
NetBackup Troubleshooting Guide	NetBackup Troubleshooting Guide
NetBackup Device Configuration Guide	NetBackup Device Configuration Guide
NetBackup Shared Storage Guide	NetBackup Shared Storage Guide
NetBackup Deduplication Guide	NetBackup Deduplication Guide
NetBackup SAN Client Fibre Transport Guide	NetBackup SAN Client Fibre Transport Guide
NetBackup Administrator's Guide for VMware	NetBackup Administrator's Guide for VMware
NetBackup Administrator's Guide for Hyper-V	NetBackup Administrator's Guide for Hyper-V
Release Notes	Release Notes

NetBackup Platform Media Kits

There one media kit available for NetBackup in DVD format.

Product Description	SKU	MSRP
NetBackup, XPLAT, v7.0, DVD Media Kit	20714021	\$50
NetBackup, XPLAT, v7.0, Sun OEM DVD Media Kit	20714028	\$50
NetBackup Desktop & Laptop Option 6.1 Media Kit		\$50
Media Server Encryption Option Media Kit		\$50
NetBackup RealTime Media Kit		\$50
NetBackup Duplication Option Media Kit	20714026	\$50
OpsCenter Analytics for Enterprise Vault	20714025	\$50

NetBackup 7.0 CD/DVD Media Kit Components

1. SYMC NETBACKUP 7.0 AIX 64BIT SERVER
2. SYMC NETBACKUP 7.0 HPIA64 SERVER
3. SYMC NETBACKUP 7.0 HP RISC 64BIT SERVER
4. SYMC NETBACKUP 7.0 LINUX REDHAT x86 64BIT SERVER
5. SYMC NETBACKUP 7.0 LINUX SUSE x86 64BIT SERVER
6. NETBACKUP 7.0 SOLARIS SPARC64 SERVER
7. NETBACKUP 7.0 SOLARIS x86 64BIT SERVER
8. NETBACKUP 7.0 WINDOWS x86 & X64 SERVERS
9. NETBACKUP 7.0 REALTIME

SUPPORT AND MAINTENANCE SERVICE OFFERINGS



Internal LSSG: NetBackup 7.0

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For questions regarding this Guide, contact SalesTools@symantec.com

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GLOBAL SALES AND SERVICES TOOLS

Licensing and Support Services Guide



NetBackup™ 7

The Symantec support program has different names than the Veritas programs, but the percentages will be approximately the same. This is an overview of maintenance and support options available for purchase. Please see the following website for more detailed information: <http://www.symantec.com/enterprise/support>

Enterprise Support at a Glance

ENTERPRISE SUPPORT AND MAINTENANCE SERVICES	BASIC MAINTENANCE	ESSENTIAL SUPPORT	REMOTE PRODUCT SPECIALIST	BUSINESS CRITICAL SERVICES*		
				DATACENTER	NATIONAL	GLOBAL
Severity One Response Time Targets	1 hour	30 minutes	15 minutes	15 minutes	15 minutes	15 minutes
Telephone Access to Support Engineers	8 a.m.-6 p.m. Business Hours	24x7x365	24x7x365	24x7x365	24x7x365	24x7x365
Downloadable Software Upgrades, Updates and Patches	♦	♦	♦	♦	♦	♦
Designated Callers	2 per Product Title	6 per Product Title	6 per Product	Unlimited	Unlimited	Unlimited
Remote Product Specialist			♦			
Business Critical Account Manager (BCAM)				Remote BCAM	Designated BCAM	Global BCAM
Business Critical Engineer				♦	♦	♦
Onsite Visits (Fly-to-Site)				2	6	20
Tailored Account Support Plan					♦	♦
Quarterly Account Reviews					♦	♦
Account Case History Reports					♦	♦
Network Link Assessment				Option	♦	♦
Impact Alerts					♦	♦

Basic Support is for small businesses that need consistent, basic support with timely software updates. Customers include small offices and home offices with a limited number of users, running a single server with one or to Symantec products licensed where continuous uptime is not required. No IT activity is likely to take place after regional business hours.

Extended Support is for businesses that have an increased need for uninterrupted availability of their data and require around-the-clock support. These customers are usually single-location, homogeneous environments that run workgroup servers and multiple database together with Symantec products. IT activity during off-hours is limited.

Useful Support Documents / Links to Configure a Solution

Compatibility documents can be found on the support site for NetBackup by filtering on “Compatibility List”.





NetBackup™ 7

NetBackup Compatibility List

<http://support.veritas.com/docs/303344>

NetBackup 7 Manuals

<http://seer.entsupport.symantec.com/docs/290282.htm>

EVALUATIONS / TRIALWARE

Symantec provides prospects the opportunity to evaluate NetBackup's industry leading data protection features at no charge. An evaluation license key is good for 60 day with an optional 30 day extension available. A single NetBackup 7 Evaluation Media Kit will contain both NetBackup Enterprise Server and NetBackup Server software.

Note: Evaluation keys in NBU can be added to any existing production environment to "add" new features for a 60 day test period. After the 60 or 30 days are over the key expires and the features go away just past midnight the last day they were valid.

How to Obtain the Media

Symantec Sales for Prospective Customers

The NetBackup 7 evaluation software is available via the Symantec trialware portal

http://www.symantec.com/offer?a_id=43768

You or your customer can setup an account, log in and obtain access to download the NetBackup 6.5 electronic images. To enable the software, the account rep or SE must provide an evaluation license key which is available at the following SCORE URL

Existing customers should be able to access media via FileConnect

Channel Partners for Prospective Customers

Depending on the product, software is either delivered via download or as a media kit.

Software delivered by download:

- A license certificate is delivered by email as a PDF document containing a serial number and URL. (In some countries the law requires that the license certificate is sent as a paper certificate via the post).
- Each serial number can be used at the given URL to register and generate up to 30 unique, temporary (60-day) license keys
- Software quantities are offered each quarter under this program and are dependent upon the partner's type and level within the Symantec Partner Program, as follows:
- Platinum Channel, Distribution & Global Strategic Partners – qty. 2 (allows up to 60 unique license keys)
- Gold and Silver Channel Partners – qty. 1 license (allows up to 30 unique license keys)

Software delivered by Media kit:

- Software is delivered as a CD media kit

For Symantec Internal Use

You need to order an NFR media kit. Place your order at:

<http://uscu-notes.symantec.com/SUPPORT/nfr.nsf/weborder?OpenForm&Login&Seq=3# RefreshKW Family>

You must log into the NFR order web site with your Symantec email address for the User ID and enterprise password.



Alternatively, Symantec employees can download code from the Tech Support data store repository located at:

http://mtvspt.veritas.com/apps/Veritas_Products/NetBackup/65GA/
http://rosspt.veritas.com/apps/Veritas_Products/NetBackup/65GA/

How to Obtain / Send License Keys

Symantec Sales Representatives: *May obtain license keys for their customer on from SCORE.*

Customers may also call 1-800-745-6054 (Symantec Inside Sales) to obtain an evaluation license key, which will be sent via email.

Partners: Symantec offers Evaluation licenses to partners to pass on to their prospective customers. Evaluation Licenses are provided to authorized members of the Symantec Partner Program who are Channel Platinum, Gold or Silver partners, Global Strategic or Distribution partners, and who meet the requirements of the program. The most up-to-date program information including the product list is available from PartnerNet under the Your Partner Program section.

Ordering Evaluation licenses:

- Visit 'Benefits' in the 'Your Partner Program' section on PartnerNet
- Accept the license agreement terms
- Submit an online request form (please note this form is available in English only)

Following receipt and approval, you will receive an update email.

- Platinum Channel, Distribution & Global Strategic Partners – qty. 2 (allows up to 60 unique license keys)
- Gold and Silver Channel Partners – qty. 1 license (allows up to 30 unique license keys)

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