Storage Software

Sun StorEdge Instant Image

Sun StorEdge Instant Image enables point-in-time copies, or shadow volumes, to be created on Sun Storage. A shadow volume is a replicated view of data which has been frozen at a specific point in time and is used to enable a secondary application to non-disruptively access a primary application's data.

Requires:

- Solaris 2.6 or greater

Description	Order Number
Licenses	
E250 and E450 Server platforms	
StorEdge Instant Image for Solaris, Sparc. License for Sun Enterprise 250 and 450 Servers, RTU only. Includes Installation Services.	INI9S-200-W999
E3X00, E4X00, and E5X00 Server platforms	
StorEdge Instant Image for Solaris Sparc. License for Sun Enterprise 3X00, 4X00, and 5X00 Servers, RTU Only. Includes installation services.	INI9S-200-D999
E6X00 Server platforms	
StorEdge Instant Image for Solaris Sparc. License for Sun Enterprise 6X00 Servers, RTU Only. Includes installation services.	INI9S-200-E999
E10000 Server platforms	
StorEdge Instant Image for Solaris, Sparc. License for Sun Enterprise 10000 Servers, RTU only. Includes Installation Services.	INI9S-200-S999
Global Pack Media Kit	
Instant Image 2.0 Global Pack Media Kit and Documentation includes English, French, Korean, Simplified & Traditional Chinese	INI9S-200-R99S

General Notes

- *Read the Software licensing information before ordering any software products.*

Ordering Notes

- *To order Instant Image, order the software media kit plus the RTU license for the appropriate platform.*

Sun StorEdge Instant Image Localized

Description	Order Number
Licenses	
E250 and E450 Server platforms	
StorEdge Instant Image for Solaris, Sparc. License for Sun Enterprise 250 and 450 Servers, RTU only. Includes Installation Services.	INI9S-200-W999
E3X00, E4X00, and E5X00 Server platforms	
StorEdge Instant Image for Solaris Sparc. License for Sun Enterprise 3X00, 4X00, and 5X00 Servers, RTU Only. Includes installation services.	INI9S-200-D999
E6X00 Server platforms	
StorEdge Instant Image for Solaris Sparc. License for Sun Enterprise 6X00 Servers, RTU Only. Includes installation services.	INI9S-200-E999
E10000 Server platforms	
StorEdge Instant Image for Solaris, Sparc. License for Sun Enterprise 10000 Servers, RTU only. Includes Installation Services.	INI9S-200-S999
Software Media Kit	
Instant Image 2.0 Global Pack Media Kit and Documentation includes English, French, Korean, Simplified & Traditional Chinese	INI9S-200-R99S

General Notes

- *Read the Software licensing information before ordering any software products.*

Ordering Notes

- *To order Instant Image, order the software media kit plus the RTU license for the appropriate platform.*

Sun StorEdge Network Data Replicator 2.0

Sun StorEdge Network Data Replicator software is a live-data replication utility that runs on Solaris servers. It enables businesses to replicate and protect the most important component of their investment - information. The replicated data can exist globally - any where in the world.

Using Sun StorEdge Network Data Replicator, data is written to the primary and secondary sites. Sun StorEdge Network Data Replicator allows for data to be replicated in both synchronous and asynchronous modes over IP. Hence any medium such as ATM, ISDN, Ethernet, gigabit-ethernet, T1, T3 lines, etc. can be utilized to replicate data.

Solaris 2.6 or later release.

Description	Order Number
Network Data Replicator 2.0 Software Media Kit	
Sun StorEdge Network Data Replicator 2.0 for Solaris. CD-ROM Media and Hardcopy Documentation.	NDR9S-200-9999
Network Data Replicator Software Licenses (RTU only) and Installation Services	
Sun StorEdge Network Data Replicator 2.0 for Solaris SPARC. License for Sun Enterprise 250 and 450 Servers. Includes Installation Services.	NDR9S-999-W999
Sun StorEdge Network Data Replicator 2.0 for Solaris SPARC. License for Sun Enterprise 3X00, 4X00, 5X00 Servers. Includes Installation Services.	NDR9S-999-D999
Sun StorEdge Network Data Replicator 2.0 for Solaris SPARC. License for Sun Enterprise 6X00 Servers. Includes Installation Services.	NDR9S-999-E999
Sun StorEdge Network Data Replicator 2.0 for Solaris SPARC. License for Sun Enterprise 10000 Servers. Includes Installation Services.	NDR9S-999-S999
Network Data Replicator 2.0 and Instant Image 2.0 Software Media Kits	
Sun StorEdge Network Data Replicator 2.0 for Solaris and Sun StorEdge Instant Image 2.0 for Solaris, CD-ROM Media and Hardcopy Documentation.	BCB9S-200-9999
Network Data Replicator and Instant Image Software Licenses (RTU only) and Installation Services	
Sun StorEdge Network Data Replicator 2.0 and Sun StorEdge Instant Image 2.0 for Solaris. License for Sun Enterprise 250 and 450 Servers. Includes Installation Services.	BCB9S-999-W999
Sun StorEdge Network Data Replicator 2.0 and Sun StorEdge Instant Image 2.0 for Solaris. License for Sun Enterprise 3X00, 4X00, 5X00 Servers. Includes Installation Services.	BCB9S-999-D999
Sun StorEdge Network Data Replicator 2.0 and Sun StorEdge Instant Image 2.0 for Solaris. License for Sun Enterprise 6X00 Servers. Includes Installation Services.	BCB9S-999-E999
Sun StorEdge Network Data Replicator 2.0 and Sun StorEdge Instant Image 2.0 for Solaris. License for Sun Enterprise 10000 Servers. Includes Installation Services.	BCB9S-999-S999

Ordering Notes

- *SNDR is orderable in two packages - a stand alone software package or a package in which it is bundled with Sun StorEdge Instant Image.*
- *In most cases, the bundled package should be ordered. This is because if SNDR is being used for disaster protection, Instant Image is required to protect against a failure during resynchronization (in other words, a double failure).*

  To order SNDR, order:
  - *The software media kit, NDR9S-200-9999 -OR-*
  - *The software media kit, BCB9S-200-9999 -AND-*
  - *One Right to Use License, depending upon the server platform on which SNDR will be installed.*

  You need to order a media kit and license at each site.

Solstice Backup 5.5.1 Notes

Solstice Backup(TM) 5.5.1 Software is a family of products that addresses the backup, recovery, and archival needs of the open, heterogeneous enterprise. They represent Sun's branded version of Legato Networker(TM) 5.5.1. The Solstice Backup (SBU) product structure is explained at: http://www.sun.com/storage/software/backup.html

An ordering flow chart and sample configurations follow herein for more specific part number guidance.

Please consult with the Sun Business Unit at Legato Systems, Inc. for further configuration assistance, as well as for complementary products in the Legato Networker family. The Sun Business Unit team may be reached at sbu-sales@legato.com or via phone at (408) 530-3225.

The table below describes the capabilities and available add-on modules for each flavor of Solstice Backup 5.5.1 software.

Solstice Backup 5.5.1 Product Options

	Workgroup Edition	**Network Edition**	**Power Edition**
Number of Client Connections Included	4	10	10
Number of Simultaneous Parallel Data Streams	8 per server	32 per server + 32 per storage node	64 per server + 32 per storage node
Maximum Number of Devices	2 per server	16 per server + 16 per storage node	32 per server + 16 per storage node
High-Speed Device Support	No	No	Included
Options Supported			
Storage Node for Solaris	No	Yes	Yes
Autochanger Software Modules	1-8 slots	All	All
Silo Software Module	No	All	All
Additional Client Connections	No	Yes	Yes
ClientPak Support	No	All	All
BusinessSuite Modules	No	All	All
Archive Module	No	Yes	Yes
SNMP Support	No	Yes	Yes

Requires:

- Backup Servers and Storage Nodes require Solaris 2.5.1, 2.6 or Solaris 7.
- ClientPaks and BusinessSuite Module requirements are defined at the following web site: http://www.sun.com/storage/software/backup.html

Solstice Backup 5.5.1 Ordering Flow Chart

Each step represents a required/recommended line item on a Sales Order.

Initial Backup/Recovery Configuration

Step 1 - required

Media and Documentation

Order 1 Media Kit
Order 1 Documentation package

→ **Either:**

LSBMS-551-2088 - *Solstice Backup Media Kit*

LSBDS-551-8570 - *Solstice Backup Documentation*

Step 2 - required

Backup Server Edition

Order a backup server Edition

→ **Choose one:**

LSBIS-551-2106 - *Workgroup Edition*

LSBIS-551-2102 - *Network Edition*

LSBIS-551-5102 - *Power Edition*

Step 3 - optional

Storage Node Edition

Order a storage node Edition

→ **Choose one, same Edition as Backup Server:**

LSBIS-551-2080 - *Network Edition Storage Node for Solaris*

LSBIS-551-5080 - *Power Edition Storage Node for Solaris*

Step 4 - optional

Autochanger Modules

Order autochanger modules
One license per autochanger device controlled by the backup server or bya storage node sized to maximum # of slots configured on the autochanger.

→ **Choose from:**

LSBIS-551-2008 - *Autochanger Software Module 1-8 slots*
LSBIS-551-2013 - *Autochanger Software Module 1-16 slots*
LSBIS-551-2009 - *Autochanger Software Module 1-32 slots*
LSBIS-551-2014 - *Autochanger Software Module 1-64 slots*
LSBIS-551-2043 - *Autochanger Software Module 1-128 slots*
LSBIS-551-2044 - *Autochanger Software Module 1-256 slots*
LSBIS-551-2046 - *Autochanger Software Module Unlimited slots*

Step 5 - optional

Silo Modules

Order silo modules
One license per silo controlled by the backup server or by a storage node sized maximum # of volumes managed by the silo.

→ **Choose from:**

LSBIS-551-2048 - *Silo Software Module 1-512 volumes*
LSBIS-551-2041 - *Silo Software Module unlimited volumes*

Step 6 - optional

Additional Client Connection License

Order additional client connection licenses based on the number of clients managed by the backup server.
Notes:
- Backup servers and storage nodes each count as 1 client
- Workgroup Edition already includes 4 connections
- Network Edition already includes 10 connections
- Power Edition already includes 10 connections

→ **Choose from:**

LSBV9-551-2021 - *5 Client connections*
LSBY9-551-2022 - *25 Client connections*
LSBC9-551-2023 - *100 Client connections*

Solstice Backup 5.5.1 Ordering Flow Chart *(continued)*

Each step represents a required/recommended line item on a Sales Order.

Step 7 - optional

ClientPak license

Order a ClientPak license for any non-Solaris client managed by the backup server

→

Choose from:

LSBIS-551-3300 - *ClientPak for UNIX*
LSBIW-551-3302 - *ClientPak for PC Desktops*
LSBIV-413-3303 - *ClientPak for NetWare*
LSBIN-551-3304 - *ClientPak for Windows NT*
LSBIM-200-3305 - *ClientPak for Macintosh*

Step 8 - optional

Archive Module

Order an Archive Module for the Solaris backup server

→

LSBIS-551-2030 - *Archive Module, Solaris version*

Step 9 - optional

SNMP Module

Order an SNMP Module for the Solaris backup server

→

LSBIS-551-2025 - *SNMP Module for Solaris*

Step 10 - optional

BusinessSuite Documentation

Order the BusinessSuite Documentation appropriate to the mix of client applications and databases

→

Choose from:

LSBDS-212-8560 - *BusinesSuite Module Doc for Oracle on UNIX and Windows NT*
LSBDS-120-8564 - *BusinesSuite Module Doc for Informix on UNIX and Windows NT*
LSBDS-140-8565 - *BusinesSuite Module Doc for SAP R/3 on UNIX and Windows NT*
LSBDS-100-8566 - *BusinesSuite Module Doc for Sybase on UNIX*
LSBDN-200-8561 - *BusinesSuite Module Doc for Microsoft SQL Server on Windows NT*
LSBDM-110-8562 - *BusinesSuite Module Doc for Microsoft Exchange Server on Windows NT*
LSBDS-110-8563 - *BusinesSuite Module Doc for Lotus Notes on UNIX and Windows NT*

Step 11 - optional

BusinessSuite License(s)

Order the BusinessSuite license(s) appropriate to the mix of client applications and databases

→

Choose from:

LSBIN-212-2979 - *BusinesSuite Module for Oracle, Windows NT client*
LSBIS-212-2151 - *BusinesSuite Module for Oracle, UNIX client*
LSBIN-120-2959 - *BusinesSuite Module for Informix, Windows NT client*
LSBIS-110-2152 - *BusinesSuite Module for Informix, UNIX client*
LSBIN-130-2965 - *BusinesSuite Module for SAP R/3, Windows NT client*
LSBIS-140-2161 - *BusinesSuite Module for SAP R/3, UNIX client*
LSBIS-100-2153 - *BusinesSuite Module for Sybase, UNIX client*
LSBIN-200-2954 - *BusinesSuite Module for Microsoft SQL Server, Windows NT client*
LSBIN-110-2955 - *BusinesSuite Module for MS Exchange, Windows NT client*
LSBIN-110-2957 - *BusinesSuite Module for Lotus Notes, Windows NT client*
LSBIS-110-2195 - *BusinesSuite Module for Lotus Notes, UNIX client*

Solstice Backup 5.5.1 Sample Configurations

Example 1: Typical Network Edition for Small tape library with up to 14 total Windows 98 and Windows NT Workstation clients (Tape Library is sold separately)

1	LSBMS-551-2088	Solstice Backup Media Kit
1	LSBDS-551-8570	Solstice Backup Documentation
1	LSBIS-551-2102	Solstice Backup Network Edition
1	LSBIS-551-2008	Autochanger Software Module 1-8 slots
1	LSBV9-551-2021	5 Client Connections (plus 10 included in Network Edition)
1	LSBIW-551-3302	ClientPak for PC Desktops

Example 2: Larger Network Edition with Large tape library and up to 34 total Windows NT and NetWare clients (Tape Library is sold separately)

1	LSBMS-551-2088	Solstice Backup Media Kit
1	LSBDS-551-8570	Solstice Backup Documentation
1	LSBIS-551-2102	Solstice Backup Network Edition
1	LSBIS-551-2009	Autochanger Software Module 1-32 slots
1	LSBY9-551-2022	25 Client Connections (plus 10 included in Network Edition)
1	LSBIV-413-3303	ClientPak for NetWare
1	LSBIN-551-3304	ClientPak for Windows NT

Example 3: Small Workgroup Edition with simple tape drive and up to 3 additional Solaris clients (Tape is sold separately)

1	LSBMS-551-2088	Solstice Backup Media Kit
1	LSBDS-551-8570	Solstice Backup Documentation
1	LSBIS-551-2106	Solstice Backup Workgroup Edition

Example 4: Very large Power Edition and storage node, each with a tape library supporting SAP/Oracle on Solaris and HP-UX clients (Silo and Tape Library are sold separately)

1	LSBMS-551-2088	Solstice Backup Media Kit
1	LSBDS-551-8570	Solstice Backup Documentation
1	LSBIS-551-5102	Solstice Backu Network Edition
1	LSBIS-551-5080	Power Edition Storage Node for Solaris
1	LSBIS-551-2046	Autochanger for tape library Software Module unlimited volumes (for silo on backup server)
1	LSBIS-551-2043	Autochanger Software Module 1-128 slots (for tape library on storage node)
1	LSBC9-551-2023	100 Client Connection (plus 10 included in Power Edition)
1	LSBIS-551-3300	ClientPak for UNIX (to cover HP-UX clients)
1	LSBIS-551-2030	Archive Module, Solaris version
1	LSBIS-551-2025	SNMP Module for Solaris
1	LSBDS-140-8565	BusinesSuite Module Documentation for SAP R/3 on UNIX and NT
1	LSBIS-140-2161	BusinesSuite Module for SAP R/3, UNIX client

Solstice Backup 5.5.1

Description	Order Number
Media (Cd-ROM)	
Solstice Backup Media Kit	LSBMS-551-2088
Documentation	
Solstice Backup Documentation	LSBDS-551-8570
SBU Server Licenses for Solaris	
Workgroup Edition for Solaris	LSBIS-551-2106
Network Edition for Solaris	LSBIS-551-2102
Power Edition for Solaris	LSBIS-551-5102
Storage Node Licenses for Solaris	
Network Edition Storage Node for Solaris	LSBIS-551-2080
Power Edition Storage Node for Solaris	LSBIS-551-5080
Autochanger Licenses	
Autochanger Software Module 1-8 slots	LSBIS-551-2008
Autochanger Software Module 1-16- slots	LSBIS-551-2013
Autochanger Software Module 1-32 slots	LSBIS-551-2009
Autochanger Software Module 1-64 slots	LSBIS-551-2014
Autochanger Software Module 1-128 slots	LSBIS-551-2043
Autochanger Software Module 1-256 slots	LSBIS-551-2044
Autochanger Software Module unlimited slots	LSBIS-551-2046

Solstice Backup 5.5.1 *(continued)*

Description	Order Number
Silo Licenses	
Silo Software Module 1-512 volumes	LSBIS-551-2048
Silo Software Module unlimited vol	LSBIS-551-2041
Client Connection Licenses	
5 Client Connections	LSBV9-551-2021
25 Client Connections	LSBY9-551-2022
100 Client Connections	LSBC9-551-2023
ClientPak Licenses	
ClientPak for UNIX	LSBIS-551-3300
ClientPak for PC Desktops	LSBIW-551-3302
ClientPak for Netware	LSBIV-413-3303
ClientPak for Windows NT	LSBIN-551-3304
ClientPak for Macintosh	LSBIM-200-3305
Archive License	
Archive Module, Solaris version	LSBIS-551-2030
SNMP License	
SNMP Module for Solaris	LSBIS-551-2025

Solstice Backup 5.5.1 *(continued)*

Description	Order Number
BusinessSuite Documentation	
BusinesSuite Module Documentation for Oracle on UNIX and NT	LSBDS-212-8560
BusinesSuite Module Documentation for Informix on UNIX and NT	LSBDS-120-8564
BusinesSuite Module Documentation for SAP R/3 on UNIX and NT	LSBDS-140-8565
BusinesSuite Module Documentation for Sybase on UNIX	LSBDS-100-8566
BusinesSuite Module Documentation for Microsoft SQL Server on NT	LSBDN-200-8561
BusinesSuite Module Documentation for Microsoft Exchange Server on NT	LSBDM-110-8562
BusinesSuite Module Documentation for Lotus Notes on UNIX and NT	LSBDS-110-8563
BusinessSuite Licenses	
BusinesSuite Module for Oracle, Windows NT client	LSBIN-212-2979
BusinesSuite Module for Oracle, UNIX client	LSBIS-212-2151
BusinesSuite Module for Informix Windows NT client	LSBIN-120-2959
BusinesSuite Module for Informix UNIX client	LSBIS-110-2152
BusinesSuite Module for SAP R/3, Windows NT client	LSBIN-130-2965
BusinesSuite Module for SAP R/3, UNIX client	LSBIS-140-2161
BusinesSuite Module for Sybase, UNIX client	LSBIS-100-2153
BusinesSuite Module for Microsoft SQL Server, Windows NT client	LSBIN-200-2954
BusinesSuite Module for MS Exchange, Windows NT client	LSBIN-110-2955
BusinesSuite Module for Lotus Notes, Windows NT client	LSBIN-110-2957
BusinesSuite Module for Lotus Notes, UNIX client	LSBIS-110-2195

Solstice Backup 5.1 for Solaris 2.x

Description	Order Number
Base Pack (Media, Documentation and License)	
Solstice Backup 5.1 Server Edition for Solaris SPARC/Intel, Media, Docs, RTU	BUU99-510-9999
Solstice Backup 5.1 Network Edition for Solaris SPARC/Intel, Media, Docs, RTU	BUW99-510-W999
Solstice Backup 5.1 Power Edition for Solaris SPARC/Intel, Media, Docs, RTU	BUE99-510-E999
Optional Modules (License Only)	
Solstice Backup 5.1 Network Edition for Solaris SPARC/Intel Storage Node RTU	BUN99-510-W999
Solstice Backup 5.1 Power Edition for Solaris SPARC/Intel Storage Node RTU	BUN99-510-E999
Solstice Backup 5.1 SNMP Module for Solaris SPARC/Intel, RTU	BUM99-510-9999
Solstice Backup 5.1 Archive Module for Solaris SPARC/Intel, RTU	BUA99-510-9999
Solstice Backup 5.1 HSM Module for Solaris SPARC/Intel, RTU	BUH99-510-9999
Documentation (No Media or License)	
Solstice Backup 5.1 Documentation Kit, including Archive, HSM, SNMP modules, Doc only	BUUD9-510-9999

Solstice Backup 5.5.1 Upgrades

Description	Order Number
Solstice Backup Edition Tier Upgrades	
Solstice Data Backup Utility Upgrade to Solstice Backup 5.5.1 Network Edition	LSB9S-551-D9T9
Solstice Backup 5.5.1 Upgrade Workgroup to Network Edition	LSB9S-551-W9T9
Solstice Backup 5.5.1 Upgrade Network to Power Edition	LSB9S-551-S9T9
Solstice Backup 5.5.1 Upgrade Network Storage Node to Power Edition Storage Node	LSB8S-551-S9T9
Solstice Backup Autochanger Tier Upgrades	
Autochanger Upgrade from 1-8 slots to 1-16 slots	LSBXS-551-99T9
Autochanger Upgrade from 1-16 slots to 1-32 slots	LSBYS-551-99T9
Autochanger Upgrade from 1-32 slots to 1-64 slots	LSBLS-551-99T9
Autochanger Upgrade from 1-64 slots to 1-128 slots	LSBCS-551-99T9
Autochanger Upgrade from 1-128 slots to 1-256 slots	LSBES-551-99T9
Autochanger Upgrade from 1-256 slots to Unlimited slots	LSBUS-551-99T9
SIlo Upgrade from 512 slots to Unlimited slots	LSBUS-551-89T9

General Notes

- *Sun will stock the current revision of all Sun software upgrade products. Customers who have a software support contract automatically receive a copy of the latest revision if the product is covered in their software support contract. For customers not on a software support contract, a new Base Pack must be purchased.*
- *For customers not on a software support contract, an upgrade license must be purchased. Each workstation must already be licensed to use the previous release of the product. The customer may purchase the product upgrade media, documentation, and license or the product upgrade license only.*
- *Software upgrade information is subject to change at anytime as Sun's suppliers produce new releases.*

Ordering Note

- *Read the Software licensing information before ordering any software upgrades.*

Solstice DiskSuite Products

Solstice DiskSuite provides logical volume management capabilities, including RAID 0/1/5, hot spare pools, and a graphical user interface, as well as UNIX file system extensions such as 1TB file systems and file system journaling.

Requires:

- Solstice DiskSuite 4.1 for Solaris requires Solaris 2.4 or later Solaris 2.x release.

Description	Order Number
Media, Online and Hardcopy Documentation, and Single-System License	
Solstice DiskSuite 4.1 for Solaris 2.4/2.5/2.5.1	
Solstice DiskSuite Products Media, Online and Hardcopy Documentation and Single-System License Solstice DiskSuite 4.1 for Solaris 2.4/2.5/2.5.1 Solstice DiskSuite 4.1 Desktop Pack	SDS-4.1-P
Solstice Disksuite 4.1 for Solaris SPARC 2.4, 2.5, 2.5.1 RTU only.	SDS-410-RTU
Solstice DiskSuite 4.1 for Intel	
Solstice Disksuite 4.1 for Solaris Intel 2.4, 2.5, 2.5.1 includes 1 RTU license only.	SDSI-410-RTU
Solstice Disksuite 4.1 for Solaris Intel 2.4, 2.5, 2.5.1 includes software, documentation and 1 RTU license.	SDSI-410-CDB
Online DiskSuite 1.0 for Solaris 1.x	
Solstice DiskSuite Products Media, Online and Hardcopy Documentation, and Single-System License Online DiskSuite 1.0 for Solaris 1.x All SPARC Workstations and Servers	ODS-1.0-4-4-21D
Note: Online DiskSuite 1.0 is not co-packaged with Solaris 1.x media.	
Documentation (No Media)	
Sun Software Products: System Management - Enterprise Management Solstice DiskSuite Products Documentation (No Media) Solstice DiskSuite 4.1 Manuals	SDS-4.1-DOC

General Notes

- *Read the Software licensing information before ordering any software products. See page 7-2.*
- *Solstice DiskSuite is not included for customers who are upgrading from Solaris 2.x to Solaris 2.4 through pre-existing software maintenance agreements, or by per-incident software upgrades. However, a coupon included with this upgrade can be exchanged for the co-packaged products at no additional charge: Solstice Backup, Solstice DiskSuite, and WABI.*

Solstice DiskSuite Upgrades

Description	Order Number
Solstice DiskSuite 4.1 for Solaris 2.4/2.5/2.5.1	
Unbundled Software Per-Incident Upgrades System Management - Enterprise Management Solstice DiskSuite 4.1 for Solaris 2.4/2.5/2.5.1 CD-ROM, Documentation, and Single-System License for all SPARC Workstations	SDS-4.1-PU
Solstice Disksuite 4.1 for Solaris Intel 2.4, 2.5, 2.5.1. Upgrade from OL:DS 1, 2.x, 3; SDS 4.0.	SDSI-410-CDB-UPG

General Notes

- *Sun will stock the current revision of all Sun software upgrade products. Customers who have a software support contract automatically receive a copy of the latest revision if the product is covered in their software support contract. For customers not on a software support contract, a new Base Pack must be purchased.*
- *For customers not on a software support contract, an upgrade license must be purchased. Each workstation must already be licensed to use the previous release of the product. The customer may purchase the product upgrade media, documentation, and license or the product upgrade license only.*
- *Software upgrade information is subject to change at anytime as Sun's suppliers produce new releases.*

Ordering Note

- *Read the Software licensing information before ordering any software upgrades.*

Sun StorEdge LibMON 2.0

Sun StorEdge LibMON 2.0 facilitates tape library monitoring and management, giving administrators the tools necessary to monitor tape library activity. Library administration is simplified with a user-friendly graphical user interface for point-and-click operation. Accessibility is improved with the ability to remotely access the library system via a Java-enabled web browser. Up-to-the-minute availability and service information keep administrators well informed so that they can prevent problems before they occur. An enterprise-level solution, LibMON 2.0 promises data integrity, reliability, and availability in the tape library environment.

Sun StorEdge LIbMON 2.0 CD-ROMs contain all of the code necessary for the products and optional modules to function. A license key must be obtained from the licensing center by filling out the licensing form and sending it to or contacting the licensing center.

Description	Order Number
Media, Documentation and License L140, L280[2], L400, DDS-3 AL Libraries	
Sun StorEdge LibMon 2.0 for Non-ATL Libraries media, docs, RTU (English version)	LMN9S-200-E999[2]
Media, Documentation and License L1000, L3500, and L11000 Tape Libraries	
Sun StorEdge LibMon 2.0 for L1000, L3500, L11000 Base Pack (Media and Docs) and RTU (English version)	LMA9S-200-E999[1]
Documentation	
Sun StorEdge LibMon 2.0 Documentation Only English Version	LMD9S-200-E999

General Notes

- *Read the Software licensing information before ordering any software products.* *See page 7-2.*

Footnotes

1. *Can only be ordered with the L1000, L3500, and L11000 Tape Libraries.*
2. *LibMON 2.0 is supported on the L280, but requires a patch. Refer to Field Information Notice (FIN) I0462-1 at http://sunsolve.Corp.Sun.COM/int-cgi/doc2html?fins/IO462-1 for further details.*

Sun StorEdge LibMON 2.0 *(continued)*

Sun StorEdge LibMON 2.0 Requirements Table

	Requirements
Supported Platforms	• SPARCserver 5, 10, 20 &1000E • SPARCcenter 2000E • Sun Enterprise Workgroup Severs (1, 2, 150, 250 & 450) • Sun Enterprise Server Family (3000, 3500, 4000, 4500, 5000, 5500, 6000, 6500, 10000)
SPARC-Based Server	• 64MB or more of RAM • 50MB or more of disk space • Solaris 2.5.1 and 2.6 • Swap space should be at least twice the amount of the installed memory
Client	Solaris 2.5.1 or 2.6 operating environment • SPARCstation or better • 32 MB or more of memory Microsoft Windows 95 or NT operating environment • Pentium, Pentium Pro, or Pentium II processor (133 MHz or faster) • Monitor with resolution of 800 x 600 or better • 32 MB or more of memory
Browser	Browser • must support JDK 1.1 or later • Netscape Communicator 4.05 • HotJava 1.1.2 • Internet Explorer 4.01

Sun StorEdge LibMON 2.0 Upgrades

Description	Order Number
Sun StorEdge LibMON 2.0	
Upgrade to Sun StorEdge LibMon 2.0 for L1000, L1800, L3500 ONLY Base Pack (Media and Docs) and RTU (English version)	LMA9S-200-E9U9

General Notes

- *Sun will stock the current revision of all Sun software upgrade products. Customers who have a software support contract automatically receive a copy of the latest revision if the product is covered in their software support contract. For customers not on a software support contract, a new Base Pack must be purchased.*
- *For customers not on a software support contract, an upgrade license must be purchased. Each workstation must already be licensed to use the previous release of the product. The customer may purchase the product upgrade media, documentation, and license or the product upgrade license only.*
- *Software upgrade information is subject to change at anytime as Sun's suppliers produce new releases.*

Ordering Note

- *Read the Software licensing information before ordering any software upgrades.*

VERITAS Volume Manager 3.0.4 Ordering Notes

For A5x00 customers, the following is included with the Volume Manager License:

The ability to manage the A5x00 and implement software RAID.

The limited license bundled with the A5x00 can be installed on any server accessing the A5x00, but an upgrade to a full Volume Manager license is required for all servers using Volume Manager to support non-A5x00 disk sub-systems.

The Customer is allowed to mirror only their boot disks regardless of where they are (A1000/D1000s, A3500s etc.). If they have other disks in the D1000 that they wish to RAID which do not hold their kernel, they would be required to purchase a full Volume Manager copy for their machine.

Please consult with the VERITAS Information Center at VERITAS Software, Inc. for further configuration assistance, as well as for complementary products in the VERITAS family. The VERITAS Information Center team may be reached at SunHelp@veritas.com or via phone at (877) 878-7123.

For A5x00 customers adding non-A5000 storage who want to upgrade to a full version of the Volume Manager:

Existing

Volume Manager for A5x00 Base Pack (Media and Documentation) and RTU License	→	**Choose From:** VVMGS-304-9999

⇩

Required

Additional Storage License: A1000/D1000, A3500, etc	→	**Choose per Server by Tier:** VSSAS-999-W9U9 VSSAS-999-D9U9 VSSAS-999-E9U9 VSSAS-999-S9U9

For customers who do NOT have A5x00s, to order Volume Manager:

Required

Volume Manager 3.0.4 Base Pack and Media Kit	→	**Choose From:** VFSTS-304-9999

⇩

Required

Storage License: A1000/D1000, A3500, etc	→	**Choose per Server by Tier:** VVMGS-999-W999 VVMGS-999-D999 VVMGS-999-E999 VVMGS-999-S999

VERITAS Volume Manager 3.0.4

VERITAS Volume Manager 3.0.4 provides system administrators with the tools to dynamically configure disk storage, to perform administrative tasks while the system is active, and to analyze disk usage. VERITAS Volume Manager maximizes data availability through the implementation of mirroring and RAID 5 techniques, and maximizes system availability by enabling on-line administration of disk subsystems. It enables improved performance through disk striping and RAID5 features, and provides the support for performance monitoring, load balancing, and on-line administration required to manage large disk configurations.

The VERITAS Volume Manager 3.0.4 Base Pack contains both media (CD-ROM) and documentation. In addition to the Base Pack the appropriate RTU license must also be purchased. VERITAS Volume Manager 3.0.4 is licensed on a hardware tier basis, please refer to the VERITAS Volume Manager 3.0.4 License Tier Definitions Table for a description of the individual hardware tiers. There are separate RTU licenses for systems with SPARCstorage Arrays or StorEdge A5000s attached. Upgrades are available for customers moving from a lower to a higher server tier. For example, if the customer is moving from a desktop to an enterprise server, both the desktop-to-departmental and departmental-to-enterprise RTU licenses must be purchased.

Requires:

- VERITAS Volume Manager 3.0.4 is supported on Solaris 2.5.1, 2.6, Solaris 7 and Solaris 8.

Description	Order Number
VERITAS Volume Manager 3.0.4 Media and Documentation	
Veritas Volume Manager 3.0.4 Base Pack (Media & Documentation)	VFSTS-304-9999
Sun StorEdge Volume Manager 2.6 Media and Documentation	
Sun StorEdge Volume Manager 2.6 for Solaris SPARC 2.4/2.5/2.5.1/2.6 CD-ROM media and hardcopy doc	VMR9S-260-R999
Licenses	
Veritas Volume Manager license for Solaris SPARC; license for Desktop and Workgroup servers; RTU only	VVMGS-999-W999
Veritas Volume Manager license for Solaris SPARC; license for departmental servers; RTU only	VVMGS-999-D999
Veritas Volume Manager license for Solaris SPARC; license for enterprise servers; RTU only	VVMGS-999-E999
Veritas Volume Manager license for Solaris SPARC; license for E10000 servers; RTU only	VVMGS-999-S999
Migration from Non-Sun	
VERITAS - Migration from non-Sun to equivalent Sun Server Platform RTU only	VMGSN-999-WDES

General Notes

- *Read the Software licensing information before ordering any software products.* *See page 7-2.*
- *See the License Tier Definition table for an explanation of the systems that each license corresponds to.* *See page 7-152.*

VERITAS Volume Manager Upgrades

Description	Order Number
Server Tier Upgrade Licenses	
Veritas Volume Manager upgrade license from Desktop and Workgroup to Departmental servers; RTU only	VVMGS-999-WDU9
Veritas Volume Manager upgrade license from Departmental to Enterprise servers; RTU only	VVMGS-999-DEU9
Veritas Volume Manager upgrade license from Enterprise to E10000 servers; RTU only	VVMGS-999-ESU9
Licenses for systems with SPARCstorage Arrays or A5x00s	
Veritas Volume Manager upgrade license for Desktops and Workgroup Servers with SPARCStorage Array or A5x00s; RTU only	VSSAS-999-W9U9
Veritas Volume Manager upgrade license for Departmental Servers with SPARCStorage arrays or A5x00s; RTU only	VSSAS-999-D9U9
Veritas Volume Manager upgrade license for Enterprise Servers with SPACRCstorage Arrays or A5x00s; RTU only	VSSAS-999-E9U9
Veritas Volume Manager upgrade license for E10000 Servers with SPARCstorage Arrays or A5x00s; RTU only	VSSAS-999-S9U9
Media, Documentation and RTU for systems with SPARCstorage Arrays or A5x00s	
Veritas Volume Manager 3.0.4 for A5x00s - Media, Documentation & RTU	VVMGS-304-9999

General Notes

- *Sun will stock the current revision of all Sun software upgrade products. Customers who have a software support contract automatically receive a copy of the latest revision if the product is covered in their software support contract. For customers not on a software support contract, a new Base Pack must be purchased.*
- *Please consult with the VERITAS Information Center at VERITAS Software, Inc. for further configuration assistance, as well as for complementary products in the VERITAS family. The VERITAS Information Center team may be reached at SunHelp@veritas.com or via phone at (877) 878-7123.*
- *Software upgrade information is subject to change at anytime as Sun's suppliers produce new releases.*

Ordering Note

- *Refer to http://webhome.ebay/networkstorage/products and follow the link to VERITAS Volume Manager to access the latest information on the product.*

VERITAS File System 3.3.3

VERITAS File System 3.3.3 is a powerful, quick recovery, journaling file system that provides the high performance and easy manageability required by mission-critical applications. VERITAS File System 3.3.3 augments UNIX file management with continuous availability, increased bandwidth, and up-to-date structural integrity. It provides scalable performance and enables on-line administration capabilities including file system growth, backup and file defragmentation.

The VERITAS File System 3.3.3 Base Pack contains both media (CD-ROM) and documentation. In addition to the Base Pack the appropriate RTU license must also be purchased. VERITAS File System 3.3.3 is licensed on a hardware tier basis, please refer to the VERITAS File System 3.3.3 License Tier Definitions Table for a description of the individual hardware tiers. Upgrades are available for customers moving from a lower to a higher server tier. For example, if the customer is moving from a desktop to an enterprise server, both the desktop-to-departmental and departmental-to-enterprise RTU licenses must be purchased.

Requires:

- VERITAS File System 3.3.3 is supported on Solaris 2.6, Solaris 7 and Solaris 8.

Description	Order Number
Base Pack (Media and Documentation)	
VERITAS File System 3.3.3 Base Pack (media and documentation)	VFSTS-333-9999
VERITAS File System 3.2 Base Pack (Media and Documentation)	
VERITAS File System 3.2 Base Pack (media and documentation) VxFS 3.2.1 requires the 3.2.6 patch to be Y2K compliant, which can be found at: http://sunsolve.sun.com/pub-cgi/retrieve.pl?doc=enotify/18625 patch #108019-01 for Veritas File System 3.2.6 under the Network Computing Products Section.	VFS-3.2-B
Licenses	
VERITAS File System License for Desktop and Workgroup Server, RTU only	VFSSS-999-W999
VERITAS File System for Departmental Servers, RTU only	VFSSS-999-D999
VERITAS File System License for Enterprise Servers, RTU only	VFSSS-999-E999
VERITAS File System License for E10000, RTU only	VFSSS-999-S999

General Notes

- *See the License Tier Definition table for an explanation of the systems that each license corresponds to.* *See page 7-152.*
- *Please consult with the VERITAS Information Center at VERITAS Software, Inc. for further configuration assistance, as well as for complementary products in the VERITAS family. The VERITAS Information Center team may be reached at SunHelp@veritas.com or via phone at (877) 878-7123.*

VERITAS File System 3.3.3 Upgrades

Description	Order Number
Upgrades to VERITAS File System 3.3.3	
VERITAS File System Upgrade From Workgroup to Departmental Servers, RTU only	VFSSS-999-WDU9
VERITAS File System Upgrade From Departmental to Enterprise Servers, RTU only	VFSSS-999-DEU9
VERITAS File System Upgrade From Enterprise to E10000 Servers, RTU only	VFSSS-999-ESU9

General Notes

- *Read the Software licensing information before ordering any software products.* *See page 7-2.*
- *See the License Tier Definition table for an explanation of the systems that each license corresponds to.* *See page 7-152.*

VERITAS Volume Manager and VERITAS File System OEM License

The OEM License for VERITAS Volume Manager and VERITAS File System will allow OEMs to obtain a single golden master license key to activate their software components while enabling the OEM to purchase licenses on a per usage basis.

Description	Order Number
License Key CD	
VERITAS Golden Master License Key CD	VOEMS-999-9999
Licenses	
OEM License for VERITAS Volume Manager(TM) or VERITAS File System(TM) for Desktop and Workgroup Servers, RTU Only	VOEMS-999-W999
OEM License for VERITAS Volume Manager(TM) or VERITAS File System(TM) for Departmental Servers, RTU Only	VOEMS-999-D999
OEM License for VERITAS Volume Manager(TM) or VERITAS File System(TM) for Enterprise Servers, RTU Only	VOEMS-999-E999
OEM License for VERITAS Volume Manager(TM) or VERITAS File System(TM) for E10000 Servers, RTU Only	VOEMS-999-S999

Ordering Notes

- *Potential customers must contact their regional OEM Sales Representative who can provide information and the appropriate contracts. Once contracts have been signed, the OEM will be issued a single golden master license key to activate the software they purchase. Each time they deploy the software on a new server, the OEM must purchase the corresponding server tier license.*
- *Refer to http://webhome.ebay/networkstorage/products for details on the VERITAS Volume Manager and VERITAS File System OEM License.*

VERITAS Volume Manager 3.0.4 and VERITAS File System 3.3.3 License Tier Definitions

License Tier Definition Table

Hardware Tier Level	Platform Type
Tier 1 - Desktop and Workgroup Server Class	Sun 4/4xx, SPARCclassic, SPARCstation LX, SPARCstation 4, SPARCstation 5, SPARCserver 4, SPARCserver 5, SPARCstation 10, SPARCstation 20, SPARCserver 10, Ultra 1, Ultra 2, Ultra 5, Ultra 10, Ultra 30, Ultra 60, Ultra 80, Ultra 450, Sun Enterprise 1, Sun Enterprise 2, Sun Enterprise 10S, Sun Enterprise 30, Sun Enterprise 60, Sun Enterprise 150, Sun Enterprise 220R, Sun Enterprise 250, Sun Enterprise 420R, Sun Enterprise 450, Netra t, Netra st
Tier 2 - Departmental Server Class	Sun 4/6xx, SPARCserver 1000, Sun Enterprise 3000, Sun Enterprise 3500, Sun Enterprise 4000, Sun Enterprise 4500, Sun Enterprise 5000, Sun Enterprise 5500
Tier 3 - Enterprise Server Class	SPARCcenter 2000, Sun Enterprise 6000, Sun Enterprise 6500
Tier 4 - E10000 Server Class	Sun Enterprise 10000, Cray CS6400

VERITAS NetBackup 3.2/Storage Migrator 3.2

Together, NetBackup and Storage Migrator provide high-performance, industrial-strength backup and recovery services for Solaris, HP-UX, IBM AIX, Windows NT, and various other operating systems and platforms. With very high-speed backup of large databases, centralized management capabilities, mainframe-class media management, and support for a wide variety of tape drives and robotics, NetBackup and Storage Migrator are specially geared for Sun customers with large heterogeneous computing environments.

Please consult with the VERITAS Information Center at VERITAS Software, Inc. for further configuration assistance, as well as for complementary products in the VERITAS family. The VERITAS Information Center team may be reached at SunHelp@veritas.com or via phone at (877) 878-7123.

VERITAS NetBackup

NetBackup cost-effectively automates backup, archive and recovery for thousands of nodes across multiple servers, while enabling the enterprise to manage its storage from a single console. With optional add-on modules, NetBackup provides high-performance hot or cold database backup, as well as support for the very large, high speed tape robotics commonly used in large data centers. NetBackup features sophisticated media and device management capable of managing media across the enterprise from a single location.

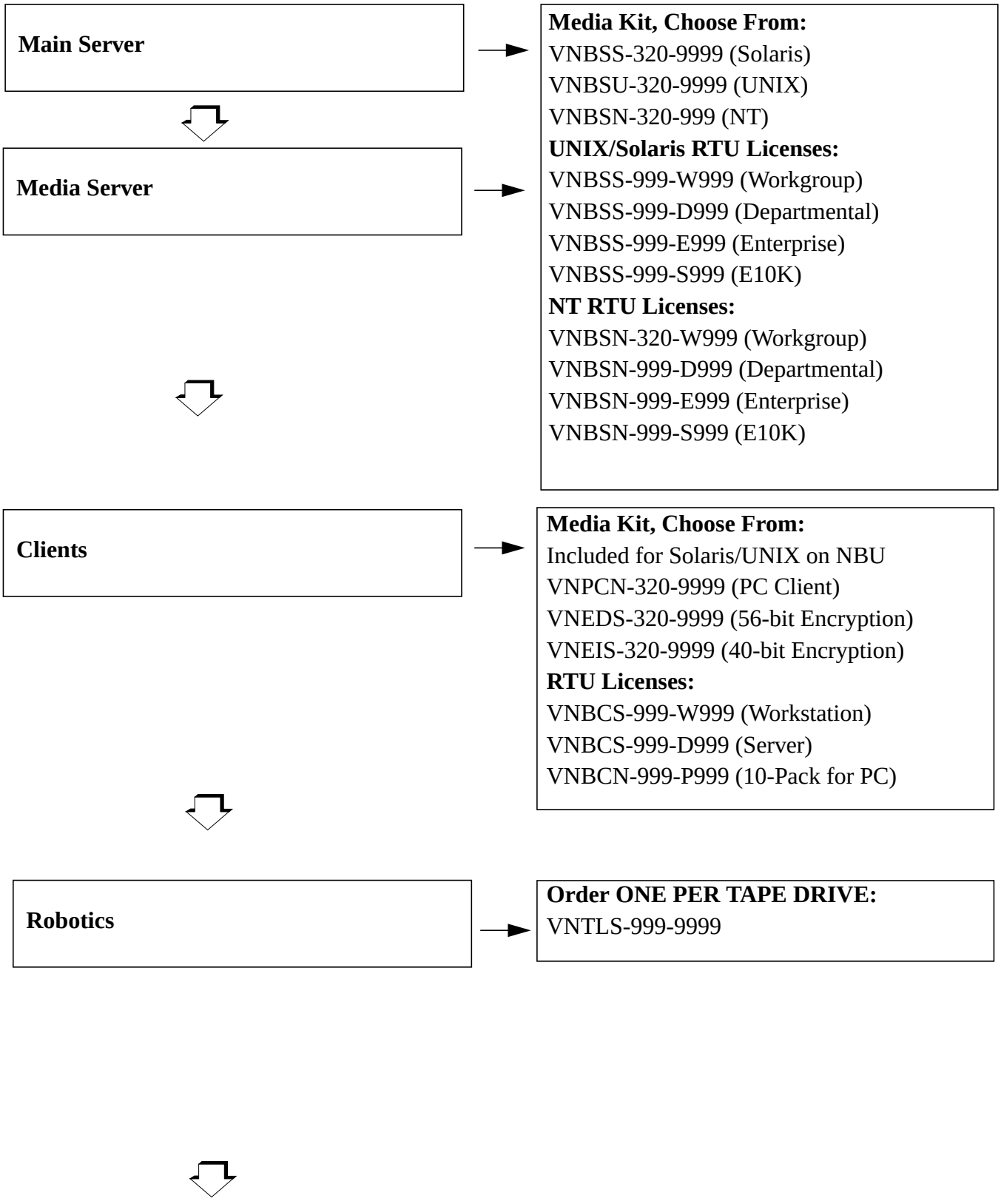
- VERITAS NetBackup for Solaris Base Pack contains documentation and CD-ROM media with all the code for NetBackup functionality on the Solaris platform.
- VERITAS NetBackup for PCs Client Media Kit contains documentation and CD-ROM media. This is required if backup of non-UNIX PC clients is needed.
- Online Database Backup Support is required in order to perform online or offline backups of databases by interfacing with the database or applications vendors' backup utilities. The currently supported databases include SAP on Oracle, Oracle, Informix, Sybase, and SQL Backtrack.ise DLT and half-inch tape libraries such as STK Silos.
- NetBackup and Storage Migrator Robotics Support Licenses have been greatly simplified. The classification of tape libraries into tier levels has been eliminated in favor of a much simpler per drive. Robotics support now cost a fixed amount per tape drive used 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 servers. One Robotics RTU is required for each tape drive . For an up-to-date list of which devices are supported, and to which Tier each device is assigned, refer to "VERITAS NetBackup and Storage Migrator: Supported Operating Environments and Devices".

VERITAS Storage Migrator

VERITAS Storage Migrator for UNIX, including Solaris, provides robust, multi-level hierarchical storage management capabilities for heterogeneous computing environments. By automatically migrating least-used files to secondary storage according to administrator-defined policies, Storage Migrator allows the enterprise to effectively manage the use of expensive primary storage. Storage Migrator features the same media management and centralized administration capabilities as NetBackup. The two products can be used independently of one another, or as an integrated unit, sharing the media manager and central management console.

- VERITAS Storage Migrator for UNIX, including Solaris Base Pack contains documentation and CD-ROM media with all the code for Storage Migrator functionality on the Solaris platform.
- VERITAS Remote Storage Migrator is an alternative Storage Migrator package which migrates data to disk storage on a remote server. The Remote Storage Migrator can be installed with Storage Migrator, but does not require it.
- VERITAS Remote Storage Migrator for UNIX, including Solaris, Base Pack contains documentation and CD-ROM media with all the code for remote storage functionality on all supported UNIX platforms.
- NetBackup Storage Migrator and Storage Migrator Remote use the same Robotics Support Licenses. In the case where a server is both a NetBackup and a Remote Storage Migrator server, only one set of Robotics RTU licenses is required.

VERITAS NetBackup Software Ordering Flowchart



VERITAS NetBackup Ordering Flowchart *(continued)*

Extensions

→

UNIX/Solaris Media Kit:
VNBDS-320-9999 (ALL)
UNIX/Solaris RTU License:
VNBDS-999-W999 (Workgroup, order 2x for R/3)
VNBDS-999-D999 (Departmental, order 2x for R/3)
VNBDS-999-E999 (Enterprise, order 2x for R/3)
VNBDS-999-S999 (E10K, order 2x for R/3)
NT Media Kit, Choose From:
VNBON-320-9999 (Oracle)
VNBRN-320-9999 (R/3)
VNMSN-320-9999 (MS-SQL)
VNBMN-320-9999 (MS-Exchange)
NT RTU License:
VNBEN-999-W999 (Workgroup, order 2x for R/3)
VNBEN-999-D999 (Deartmental, order 2x for R/3)
VNBEN-999-E999 (Enterprise, order 2x for R/3)
VNBEN-999-S999 (E10K, order 2x for R/3)

⇩

Options

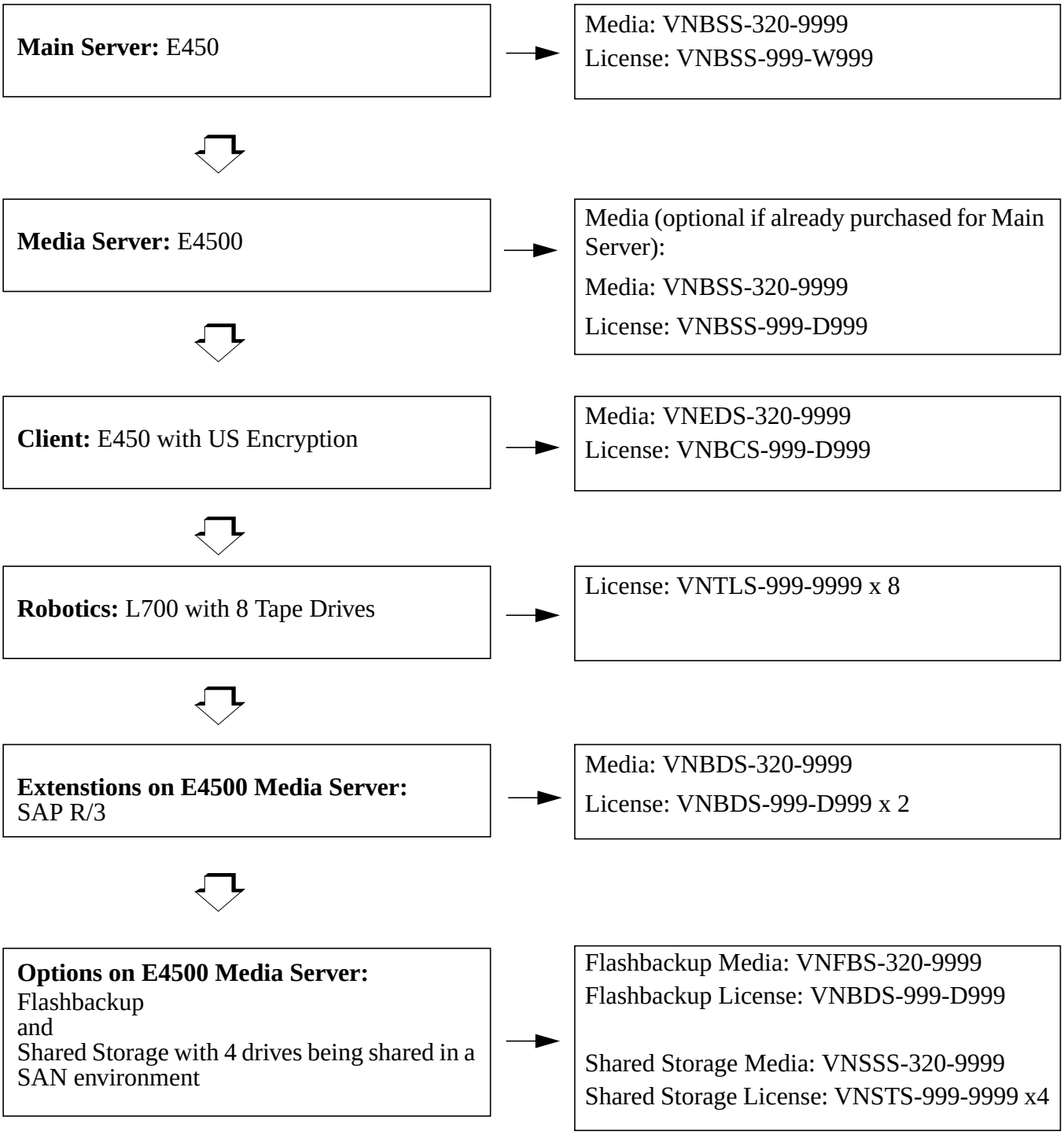
→

Media Kit, Choose From:
VNFBS-320-9999 (Flashbackup)
VNBTS-320-9999 (Tivoli)
Flashbackup/Tivoli RTU License:
VNBDS-999-W999 (Workgroup, order 2x for Tivoli)
VNBDS-999-D999 (Departmental, order 2x for Tivoli)
VNBDS-999-E999 (Enterprise, order 2x for Tivoli)
VNBDS-999-S999 (E10K, order 2x for Tivoli)

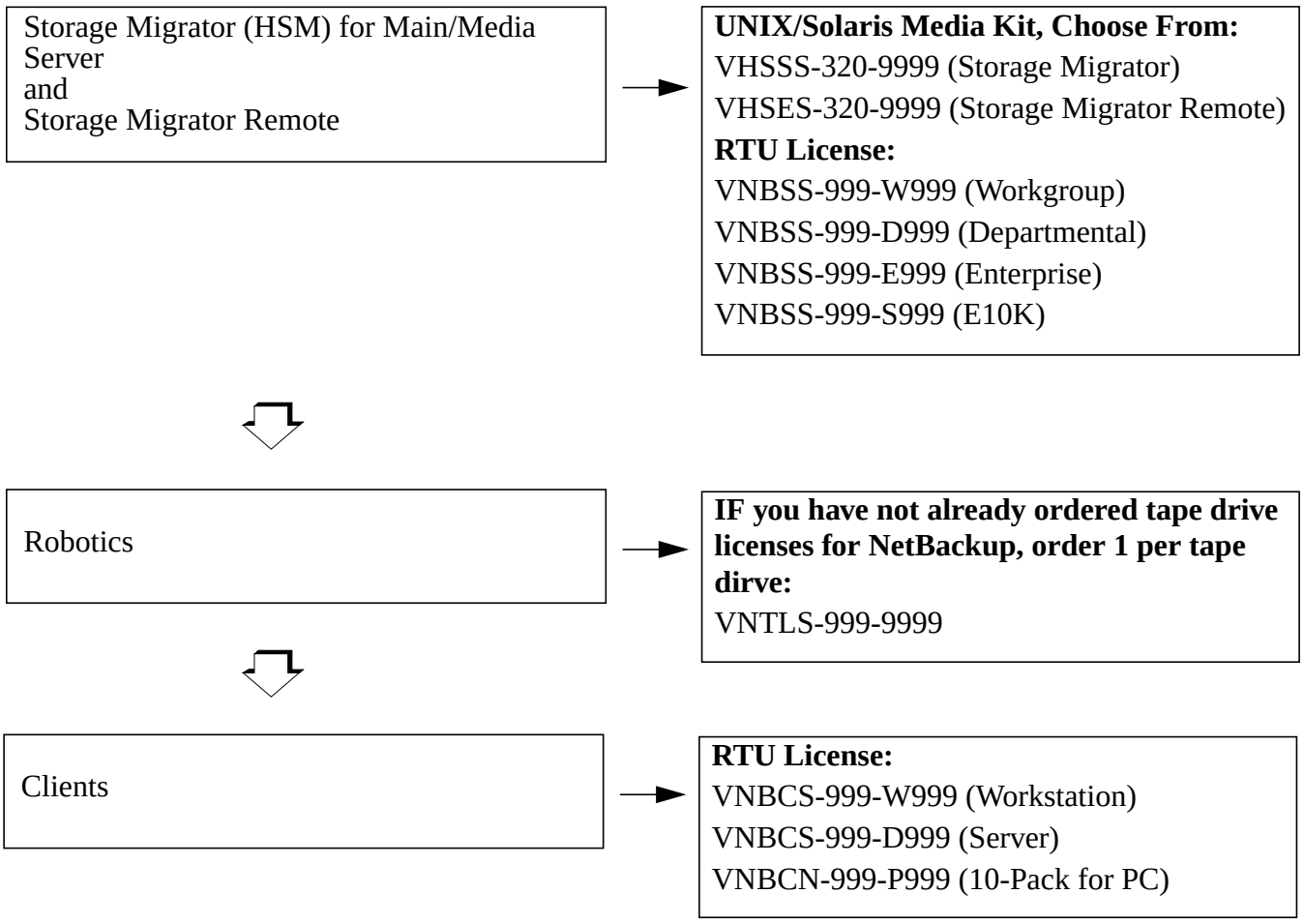
Media Kit:
VNDMS-320-9999 (NDMP)
NDMP RTU License:
VNBSS-320-9999 (1 Per NetApp)

Media Kit:
VNSSS-320-9999 (Shared Storage on SAN)
Shared Storage License:
VNSTS-999-9999 (1 per Shared Drive on SAN)

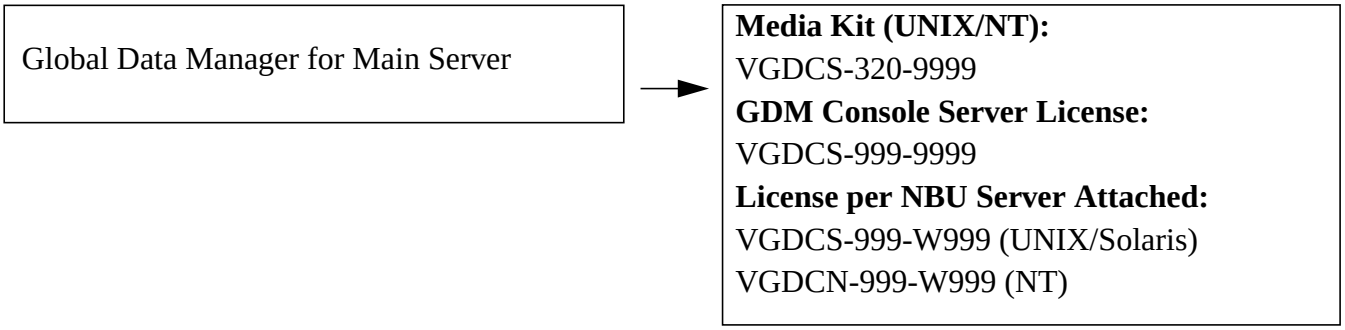
VERITAS NetBackup Sample Ordering Flowchart



VERITAS Storage Migrator Ordering Flowchart



VERITAS Data Global Manager Ordering Flowchart



VERITAS NetBackup 3.2/Storage Migrator 3.2 *(continued)*

Description	Order Number
NetBackup for UNIX	
RTU Licenses	
NetBackup, Storage Migrator, and Storage Migrator Remote 3.2 on UNIX and Solaris License for Desktop and Workgroup Servers, RTU only	VNBSS-999-W999
NetBackup, Storage Migrator, and Storage Migrator Remote 3.2 on UNIX and Solaris License for Departmental Servers, RTU only	VNBSS-999-D999
NetBackup, Storage Migrator, and Storage Migrator Remote 3.2 on UNIX and Solaris License for Enterprise Servers, RTU only	VNBSS-999-E999
NetBackup, Storage Migrator, and Storage Migrator Remote 3.2 on UNIX and Solaris License for E10000 Servers, RTU only	VNBSS-999-S999
Media and Documentation	
NetBackup 3.2 for Solaris Media kit and Documentation	VNBSS-320-9999
NetBackup 3.2 for UNIX Media Kit and Documentation	VNBSU-320-9999
NetBackup for NT	
RTU Licenses	
NetBackup 3.2 NT License for Desktop and Workgroup Servers, RTU only	VNBSN-999-W999
NetBackup 3.2 NT License for Departmental Servers, RTU Only	VNBSN-999-D999
NetBackup 3.2 NT License for Enterprise Servers, RTU Only	VNBSN-999-E999
NetBackup 3.2 NT License for E10000 Servers, RTU Only	VNBSN-999-S999
Media and Documentation	
NetBackup 3.2 for Windows NT Media Kit and Documentation	VNBSN-320-9999
Global Data Manager	
RTU Licenses	
Global Data Manager Solaris or HP-UX Console License, RTU only	VGDCS-999-9999
Global Data Manager License for NBU Server on UNIX, RTU Only	VGDCS-999-W999
Global Data Manager License for NBU Server on NT, RTU only	VGDCN-999-W99 9
Media and Documentation	
Global Data Manager 3.2 Media Kit and Documentation For UNIX/NT	VGDCS-320-9999
Storage Migrator (HSM)	
Media and Documentation	
Remote Storage Migrator 3.2 for Solaris, UNIX Media Kit and Documentation	VHSES-320-9999
Storage Migrator 3.2 for Solaris, UNIX Media Kit and Documentation	VHSSS-320-9999

VERITAS NetBackup 3.2/Storage Migrator 3.2 *(continued)*

Description	Order Number
Clients and Encryption	
RTU Licenses	
Netbackup PC Client 10 Pack License, RTU only	VNBCN-999-P999
NetBackup Single Client License or Single Client Encryption License (US & Intl) for Workstations, RTU only	VNBCS-999-W999
NetBackup Single Client License or Single Client Encryption License (US & Intl) for Servers, RTU only	VNBCS-999-D999
Media and Documentation	
US and Canada Client Encryption Media Kit and Documentation	VNEDS-320-9999
Import Restriction 40-bit Client Encryption Media Kit and Documentation	VNEIS-320-9999
PC Client 3.2 Media Kit and Documentation	VNPCN-320-9999
Robotics	
NetBackup, Storage Migrator, Storage Migrator Remote 3.2 Robotics/Tape Library Support License per Tape Drive	VNTLS-999-9999
UNIX (including Solaris) Database Extensions, Extension and Option Licenses	
RTU Licenses	
UNIX Database Extension License or Flashback Option License for Desktop and Workgroup Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR TIVOLI OPTION)	VNBDS-999-W999
UNIX Database Extension or Flashbackup Option License for Departmental Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-D999
UNIX Database Extension License or Flashbackup Option License for Enterprise Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-E999
UNIX Database Extension License or Flashbackup Option License for E10000 Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-S999
Media and Documentation	
UNIX and Solaris Database Extension 3.2 for Oracle, Sybase, Informix, SQL Backtrack, and SAP R/3 Media Kit and Documentation	VNBDS-320-9999

VERITAS NetBackup 3.2/Storage Migrator 3.2 *(continued)*

Description	Order Number
NT Database Extensions, Extension and Licenses	
RTU Licenses	
NT Database Extension License for Desktop and Workgroup Servers RTU only (ORDER TWO OF THESE FOR SAP R/3)	VNBEN-999-W999
NT Database Extension License for E10000 Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3)	VNBEN-999-S999
NT Database Extension License for Departmental Servers (ORDER TWO OF THESE FOR SAP R/3) RTU only	VNBEN-999-D999
NT Database Extension License for Enterprise Servers (ORDER TWO OF THESE FOR SAP R/3) RTU only	VNBEN-999-E999
Media and Documentation	
Database Extension 3.2 for Oracle on NT Media Kit and Documentation	VNBON-320-9999
Database Extension 3.2 for R/3 on NT Media Kit and Documentation	VNBRN-320-9999
Database Extension 3.2 for MS-Exchange on NT Media Kit and Documentation	VNBMN-320-9999
Database Extension 3.2 for SQL on NT Media Kit and Documentation	VNMSN-320-9999
Additional Options	
RTU Licenses	
UNIX Database Extension License or Flashback Option License for Desktop and Workgroup Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR TIVOLI OPTION)	VNBDS-999-W999
UNIX Database Extension or Flashbackup Option License for Departmental Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-D999
UNIX Database Extension License or Flashbackup Option License for Enterprise Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-E999
UNIX Database Extension License or Flashbackup Option License for E10000 Servers, RTU only (ORDER TWO OF THESE FOR SAP R/3 EXTENSION OR FOR TIVOLI OPTION)	VNBDS-999-S999
NetBackup 3.2 Shared Storage Option for Tape Drives License per Shared Drive, RTU only	VNSTS-999-9999
NetBackup(TM) 3.2 NDMP for Network Appliance License, RTU Only	VNBSS-999-9999
Media and Documentation	
NetBackup 3.2 FlashBackup for Solaris Media Kit and Documentation	VNFBS-320-9999
Veritas NetBackup 3.2 Tivoli Option Media Kit and Documentation	VNBTS-320-9999
NetBackup 3.2 Shared Storage Option for Tape Drives Media Kit and Documentation	VNSSS-320-9999
NetBackup 3.2 for NDMP Media Kit and Documentation.	VNDMS-320-9999

VERITAS NetBackup 3.2/Storage Migrator 3.2 *(continued)*

Tier Levels

Hardware Tier Level	Platform Type
Sun Microsystems	
Tier 1 -Desktop and Workgroup Server Class	Sun 4/4xx, SPARCclassic, SPARCstation LX, SPARCstation4, SPARCstation 5, SPARCserver 4, SPARCserver 5, SPARCstation 10, SPARCstation 20, SPARCserver 10, SPARCserver 20, Ultra 1, Ultra 2, Ultra 5, Ultra 10, Ultra 30, Ultra 60, Ultra 80, Ultra 450, Sun Enterprise 1, Sun Enterprise 2, Sun Enterprise 10S, Sun Enterprise 30, Sun Enterprise 60, Sun Enterprise 150, Sun Enterprise 220R, Sun Enterprise 250, Sun Enterprise 420R, Sun Enterprise 450, Netra t, Netra st
Tier 2 -Departmental Server Class	Sun 4/6xx, SPARCserver 1000, Sun Enterprise 3000, Sun Enterprise 3500, Sun Enterprise 4000, Sun Enterprise 4500, Sun Enterprise 5000, Sun Enterprise 5500
Tier 3- Enterprise Server Class	SPARCcenter 2000, Sun Enterprise 6000, Sun Enterprise 6500
Tier 4- E10000 Server Class	Sun Enterprise 10000, Cray CS6400
Hewlett Packard	
Tier 1 -Desktop and Workgroup Server Class	A-Class, D-Class, E-Class, F-Class, G-class, L- Class, R-Class, K100
Tier 2 -Departmental Server Class	H-Class, I-Class, K2XX K3XX, K4XX K5XX, N4000@360Mhz
Tier 3- Enterprise Server Class	V2200, V2250, T-Class, N4000@440Mhz
Tier 4- E10000 Server Class	T500, V2500, V2500 SCA
Microsoft NT	
Tier 1 -Desktop and Workgroup Server Class	Single (1) processor System
Tier 2 -Departmental Server Class	Dual (2) processor System
Tier 3- Enterprise Server Class	Quad (4) processor System
Tier 4- E10000 Server Class	8 or above processor System
IBM (AIX)	
Tier 1 -Desktop and Workgroup Server Class	RS/6000 43P Model 140,Model 150, Model 260
Tier 2 -Departmental Server Class	F40, B50
Tier 3- Enterprise Server Class	F50, H50, H70, R50, S70
Tier 4- E10000 Server Class	RS/6000 model S80, and SP (POWER2, PowerPC and POWER3 nodes), Sequent Symmetry
Fujitsu	
Tier 1 -Desktop and Workgroup Server Class	GP7000F Model 200, GP7000F Model 200R, GP7000F Model 400A, GP7000F Model 400R, GP7000S Model 5, GP7000S Model 10, GP7000S Model 25, GP7000S Model 45, GP300S Model 2, GP400S Model 5, GP400S Model 10, GP400S Model 60, GP400S Model 450
Tier 2 -Departmental Server Class	GP7000F Model 600, GP7000S Model 350, GP7000S Model 450, GP7000S Model 550
Tier 3- Enterprise Server Class	GP7000F Model 1000, GP7000S Model 650
Tier 4- E10000 Server Class	GP7000F Model 2000, GP7000S Model 1000y

VERITAS NetBackup 3.2/Storage Migrator 3.2 *(continued)*

Tier Levels *(Continued)*

Hardware Tier Level	Platform Type
Other Vendors	
Tier 1 -Desktop and Workgroup Server Class	Compaq (Tru64 UNIX) AlphaServer 800, 1200, DS10, DS20, DS20E NX7000/D-Class, NX7000/100 SGI (IRIX) Octane, O2; NCR (MP-RAS) 3200 Series Siemens (Reliant Unix) RM200
Tier 2 -Departmental Server Class	Compaq (Tru64 UNIX) AlphaServer 2000, 2100, 4000, 4100, ES40 NEC NX7000/2XX, NX7000/3XX, NX7000/4XX, NX7000/5XX, NX7000/N4000(360Mhz) SGI (IRIX) Origin 200, ONYX 2; NCR (MP-RAS) S20, S24, S26 Siemens (Reliant UNIX) RM300
Tier 3- Enterprise Server Class	Compaq (Tru64 UNIX) AlphaServer 8200, 8400, GS60E, GS140 NEC NX/7000/V2200, NX7000/V2250, NX7000/N4000(440Mhz) SGI (IRIX) Origin 2000, 2100 series; NCR (MP-RAS) S50, S1501, 4400 Siemens (Reliant UNIX) RM400, RM600
Tier 4- E10000 Server Class	Compaq (Tru64 UNIX) AlphaServer SC NEC NX7000/V2500 SGI (IRIX) Origin 2000, Cray Origin 2000 models (32 or more processors) NCR (MP-RAS) 3600, 4700, 4800, 5150, 5200 Siemens (Reliant UNIX) RCS II, Pyramid Reliant RM1000 and Nile 150/100 Auspex 7000/500
Client Tier Level	
Client Tier 0 -PC Client	Licenses for personal computers, such as Macintosh and Microsoft Windows 95/98
Client Tier 1- Workstation Client	Used by one person and is not utilized as a server.
Client Tier 2- Server Client	Defined as a system that provides services to more than one person.

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