

IBM System Storage N6040 and IBM System Storage N6070 offer enterprise-class Fibre Channel, iSCSI, and NAS storage with gateway options

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At a glance



The IBM® System Storage™ N6040 and IBM System Storage N6070 are designed to provide:

- High data availability and system-level redundancy
- Support of concurrent block I/O and file serving over Ethernet and Fibre Channel (FC) SAN infrastructures
- High throughput and fast response times
- FC and Serial Advanced Technology Attachment (SATA) disk drives
- Support of enterprise customers requiring Network Attached Storage (NAS), with FC, or Internet Small Computer System Interface (iSCSI) connectivity
- Attachment of both FC and SATA disk expansion units
- 4 GB (per node) of random access memory (N6040), or 16 GB (per node) of random access memory (N6070)
- Two integrated backend FC loops per node
- Upgrade capability from Model A1x to Model A2x

Overview

The IBM System Storage N6040 storage controller includes the Model A10, a single-node base unit; the Model A20 includes an active/active dual-node base unit. The IBM System Storage N6070 storage controller includes the Model A11, a single-node base unit; the Model A21 includes, an active/active dual-node base unit. All models are designed to provide fast data access, simultaneous multiprotocol support, expandability, upgradability, and low maintenance requirements.

All models may be configured as "gateways." If they are to be used as gateways, all Licensed Function Indicator features must be those with the suffix, GW (for example, SnapRestore - GW).

The four models feature:

- High data availability and system-level redundancy designed to address the needs of business-critical and mission-critical applications
- Single, integrated architecture designed to support concurrent block I/O and file serving over Ethernet and Fibre Channel SAN infrastructures
- High throughput and fast response times for database, e-mail, and technical applications
- Fibre Channel and Serial Advanced Technology Attachment (SATA) disk drive capabilities that are designed to allow deployment in multiple environments, including data retention, NearStore, disk-to-disk backup scenarios, and high-performance, mission-critical I/O intensive operations
- Support of enterprise customers requiring unified access to Network Attached Storage (NAS) via Fibre Channel (FC) or Internet Small Computer System Interface (iSCSI)
- Attachment of both FC and SATA disk expansion units
- 4 GB (per node) of random access memory (N6040) or 16 GB (per node) of random access memory (N6070)
- Two integrated backend FC loops per node
- Upgrade capability from Model A1x to Model A2x

The N6040 and N6070 (N60x0) storage controllers support the EXN1000 SATA storage expansion unit and the EXN2000 and EXN4000 FC storage expansion units. At least one storage expansion unit must be attached to the N60x0. The maximum number of storage expansion units that may be attached to either the Model A10 or Model A20 is 30; for Model A11 or Model A21, the maximum is 60. The EXN1000 storage expansion unit can be configured with 5 to 14 disk drives of 500 GB, 750 GB, or 1 TB physical capacity. The EXN2000 and EXN4000 storage expansion units can be configured with 5 to 14 disk drives of 144 GB or 300 GB physical storage capacity.

Key prerequisites

The IBM System Storage N6040 requires FC, NFS, CIFS, or iSCSI protocol function.

Planned availability date

September 5, 2008: IBM System Storage N6040 and IBM System Storage N6070 and all features except those with later availability dates as noted below.

September 26, 2008:

- FC cable, 50u, 31m, LC/LC
- FC cable, 50u, 31m, LC/SC
- SnapManager VI - Filer
- SnapManager/Oracle - WIN
- SnapManager/VI - Host
- SnapManager/VI - Media Kit
- SMBR Administrative Server
- Open Sys SnapVault Media Kit
- OSSV features (all)
- Protection Mgr. DR Tier features (all)

October 24, 2008: gateway function, including all features with the gateway suffix, GW

November 7, 2008: Model and feature conversions

Description

The IBM System Storage N6040 and IBM System Storage N6070 storage controllers are designed to interoperate with products capable of data transmission in the industry-standard iSCSI, CIFS, FCP and NFS protocols. These include the IBM System p™, IBM System i™ (NFS only), IBM System x™, and IBM System z™ (NFS only) servers. The N6040 storage controllers consist of the Model A10 and Model A20 and associated software. The N6070 storage controllers consist of the Model A11 and Model A21 and associated software.

The Model A10 and Model A11 are designed to provide a single-node storage controller with iSCSI support and NFS, CIFS, and FCP support via optional features. The N6040 Model A10 is a 6U storage controller that must be mounted in a standard 19-inch rack. The N6040 storage controller does not include storage in the base chassis.

The N6040 base chassis includes:

- 6U, standard 19-inch rackmount enclosure
- One dual-core 2.4 GHz 64-bit processor (per node)
- 4 GB random access ECC memory (per node)
- Two integrated Gigabit Ethernet RJ45 ports (per node)
- Four integrated 4-Gbps SFP Fibre Channel ports (per node)
- Three PCI-Express (PCIe) X8 expansion slots and one PCIe X4 expansion slot (per node)
- One serial console port (per node)
- One integrated Remote LAN Management (RLM) port (per node)
- Redundant hot-swappable, auto-ranging power supplies and cooling fans

The N6070 base chassis includes:

- 6U, standard 19-inch rackmount enclosure
- Two dual-core 2.6 GHz 64-bit processors (per node)
- 16 GB random access ECC memory (per node)
- Two integrated Gigabit Ethernet RJ45 ports (per node)
- Four integrated 4-Gbps SFP Fibre Channel ports (per node)
- Three PCI-Express (PCIe) X8 expansion slots and one PCIe X4 expansion slot (per node)
- One serial console port (per node)
- One integrated Remote LAN Management (RLM) port (per node)
- Redundant hot-swappable, auto-ranging power supplies and cooling fans

The maximum number of additional (optional) expansion adapters is four per node. The Model A10 and Model A11 support a maximum of ten dual-path FC loops via the addition of four optional FC HBA for Disk Attachment (feature number 1029). Model A10 supports a maximum of 420 total disk drives; Model A11 supports a maximum of 840. The Model A10 and Model A11 can be upgraded to a maximum of 18 gigabit Ethernet ports via the addition of four optional quad-port copper NICs (feature number 1022 or 1023). The Model A10 may be upgraded to a Model A20; the Model A11 may be upgraded to a Model A21. The upgrade from a Model A1x to a Model A2x is a disruptive upgrade.

The Model A20 and Model A21 are designed to provide identical function to the Model A10 and A11, but with the addition of a second processing node and the Clustered Failover (CFO) licensed function. The Model A20 supports a maximum of 420 drives; Model A21 supports a maximum of 840. The Model A20 and Model A21 consist of two storage controllers housed in a single chassis, 6U in height. They are designed to provide failover and failback function, helping improve overall availability.

For the Model A20 and Model A21, the maximum number of additional expansion adapters is eight. The Model A20 can be upgraded to a maximum of 20 multipath FC loops (20 4-Gbps FC ports) via the addition of eight optional FC HBA for Disk Attachments (feature number 1029). The

Model A20 can be upgraded to a maximum of 36 Gigabit Ethernet ports via the addition of eight optional quad-port copper gigabit Ethernet NICs (feature number 1022 or 1023).

The N6040 and N6070 storage controllers require at least one storage expansion unit, either an EXN1000, EXN2000, or EXN4000. The EXN1000 storage expansion unit provides a 3U rack-mountable disk enclosure containing five, and up to a maximum of 14, serial advanced technology attachment (SATA) disk drives, either in 500 GB, 750 GB, or 1 TB physical capacities. The EXN2000 and EXN4000 storage expansion units provide a 3U rack-mountable disk enclosure containing five, and up to a maximum of 14, FC disk drives. The EXN2000 and EXN4000 support the following FC disk drive speeds and capacities:

- 15,000 revolutions per minute (15K RPM) of 144 GB and 300 GB capacities
- 10,000 revolutions per minute (10K RPM) of 144 GB and 300 GB capacities

The maximum raw storage capacity of the N6040 and N6070 systems is determined by the number of disk drives supported. The N6040 Model A10 and Model A20 each support 420 hard drive spindles.

The following table describes the maximum supported total physical storage capacity for the N6040 Model A10 and Model A20:

Disk enclosure	Disk drive capacity	Maximum storage enclosures	Maximum disk drives	Maximum physical capacity
EXN1000	250 GB SATA disk drives	30	420	105.00 TB
EXN1000	500 GB SATA disk drives	30	420	210.00 TB
EXN1000	750 GB SATA disk drives	30	420	315.00 TB
EXN1000	1 TB SATA disk drives	30	420	420.00 TB
EXN2000	144 GB FC disk drives	30	420	60.48 TB
EXN2000	300 GB FC disk drives	30	420	126.00 TB
EXN4000	144 GB FC disk drives	30	420	60.48 TB
EXN4000	300 GB FC disk drives	30	420	126.00 TB

The following table describes the maximum supported total physical storage capacity for the N6070 Model A11 and Model A21:

Disk enclosure	Disk drive capacity	Maximum storage enclosures	Maximum disk drives	Maximum physical capacity
EXN1000	250 GB SATA disk drives	60	840	210.00 TB
EXN1000	500 GB SATA disk drives	60	840	420.00 TB
EXN1000	750 GB SATA disk drives	60	840	630.00 TB
EXN1000	1 TB SATA disk drives	60	840	840.00 TB
EXN2000	144 GB FC disk drives	60	840	120.96 TB
EXN2000	300 GB FC disk drives	60	840	252.00 TB
EXN4000	144 GB FC disk drives	60	840	120.96 TB
EXN4000	300 GB FC disk drives	60	840	252.00 TB

EXN1000 SATA storage expansion units, and EXN2000 and EXN4000 FC storage expansion units, must not share a Fibre Channel loop. A maximum of six storage expansion units are supported on a single Fibre Channel loop.

Reference information

Refer to Hardware Announcement [A08-1131](#), dated August 26, 2008.

Product number

Description	Machine	Model	Feature
N6040 Model A10	2858	A10	
N6040 Model A20	2858	A20	

N6070 Model A11	2858	A11	
N6070 Model A21	2858	A21	
2-Port Fiber GbE NIC	2858	A10, A20	1012
		A11, A21	
2-Port Cu GbE NIC	2858	A10, A20	1013
		A11, A21	
4-Gbps FC HBA - Disk, 2-port	2858	A10, A20	1014
		A11, A21	
4-Gbps FC HBA - Tape, 2-port	2858	A10, A20	1015
		A11, A21	
2-Port 4-Gbps FC HBA-Target	2858	A10, A20	1017
		A11, A21	
2-Port iSCSI Target Fi NIC	2858	A10, A20	1021
		A11, A21	
4-Port Cu GbE TOE NIC	2858	A10, A20	1022
		A11, A21	
4-Port Cu GbE NIC	2858	A10, A20	1023
		A11, A21	
2-Port SCSI Ult320 HBA Tape	2858	A10, A20	1024
		A11, A21	
2-Port iSCSI Target CU NIC	2858	A10, A20	1026
		A11, A21	
4-Port 4-Gbps FC HBA - Disk	2858	A10, A20	1029
		A11, A21	
2-Port 10GbE TOE NIC	2858	A10, A20	1031
		A11, A21	
2-Port MetroCluster VI HBA	2858	A10, A11	1032
SnapMirror over FC HBA PCIe	2858	A10, A20	1033
		A11, A21	
4-Port 4-Gbps FC HBA Tap/Dsk	2858	A10, A20	1035
		A11, A21	
5m 50-micron MMF Cable	2858	A10, A20	1045
		A11, A21	
30m 50-micron MMF Cable	2858	A10, A20	1046
		A11, A21	
10-GbE Fi cable 30m LC/SC	2858	A10, A20	1047
		A11, A21	
10-GbE Fi cable 5m LC/SC	2858	A10, A20	1048
		A11, A21	
Ext. longwave SFP, 4-Gbps	2858	A10, A11	1050
FC cable, 50u, 31m, LC/LC	2858	A10, A20	1051
		A11, A21	
FC cable, 50u, 31m, LC/SC	2858	A10, A20	1052
		A11, A21	
Licensed Function Indicators			
Data ONTAP	2858	A10	6800
CIFS	2858	A10	6801
HTTP	2858	A10	6802
NFS	2858	A10	6803
CFO for MetroCluster	2858	A10	6804
FlexClone	2858	A10	6805
MultiStore	2858	A10	6806
SnapMirror	2858	A10	6807
SnapLock Compliance	2858	A10	6808
SnapLock Enterprise	2858	A10	6809
SnapRestore	2858	A10	6811
SnapVault Primary	2858	A10	6812
SnapVault Secondary	2858	A10	6813
SyncMirror	2858	A10	6816
SnapValidator	2858	A10	6818
Fibre Channel Protocol	2858	A10	6819
Disk Sanitization	2858	A10	6820
SnapManager/Exchange - Filer	2858	A10	6821
SnapManager/SQL - Filer	2858	A10	6822
MetroCluster	2858	A10	6823
iSCSI Protocol	2858	A10	6825
SnapMirror/SnapVault Bundle	2858	A10	6829
NearStore	2858	A10	6831
Adv. Single Instance Storage	2858	A10	6832
SnapManager SAP - Filer	2858	A10	6838
SnapManager Oracle - Filer	2858	A10	6839
FlexCache for NFS	2858	A10	6847
SnapManager VI - Filer	2858	A10	6848

SnapManager SharePoint-Filer	2858	A10	6849
Data ONTAP - GW	2858	A10	6900
CIFS - GW	2858	A10	6901
HTTP - GW	2858	A10	6902
NFS - GW	2858	A10	6903
CFO for MetroCluster - GW	2858	A10	6904
FlexClone - GW	2858	A10	6905
MultiStore - GW	2858	A10	6906
SnapMirror - GW	2858	A10	6907
SnapLock Enterprise - GW	2858	A10	6909
SnapMover - GW	2858	A10	6910
SnapRestore - GW	2858	A10	6911
SnapVault Primary - GW	2858	A10	6912
SnapVault Secondary - GW	2858	A10	6913
SyncMirror - GW	2858	A10	6916
SnapValidator - GW	2858	A10	6918
Fibre Channel Protocol - GW	2858	A10	6919
SnapManager/Exch - Filer-GW	2858	A10	6921
SnapManager/SQL - Filer-GW	2858	A10	6922
MetroCluster - GW	2858	A10	6923
iSCSI Protocol - GW	2858	A10	6925
SnapMir/SnapVlt Bundle - GW	2858	A10	6929
NearStore - GW	2858	A10	6931
SnapManager SAP-Filer - GW	2858	A10	6938
SnapManager Oracle-Filer-GW	2858	A10	6939
FlexCache for NFS - GW	2858	A10	6947
SnapManager VI - Filer - GW	2858	A10	6948
SnapManager ShPnt-Filer-GW	2858	A10	6949
Data ONTAP	2858	A11	6101
CIFS	2858	A11	7401
HTTP	2858	A11	7402
NFS	2858	A11	7403
FlexClone	2858	A11	7404
MultiStore	2858	A11	7405
SnapMirror	2858	A11	7406
SnapLock Compliance	2858	A11	7407
SnapLock Enterprise	2858	A11	7408
SnapRestore	2858	A11	7409
SnapVault Primary	2858	A11	7410
SnapVault Secondary	2858	A11	7411
SyncMirror	2858	A11	7414
SnapValidator	2858	A11	7416
Fibre Channel Protocol	2858	A11	7417
Disk Sanitization	2858	A11	7418
SnapManager/Exchange - Filer	2858	A11	7419
SnapManager/SQL - Filer	2858	A11	7420
CFO for MetroCluster	2858	A11	7421
iSCSI Protocol	2858	A11	7425
SnapMirror/SnapVault Bundle	2858	A11	7429
NearStore	2858	A11	7430
MetroCluster	2858	A11	7431
Adv. Single Instance Storage	2858	A11	7432
SnapManager SAP - Filer	2858	A11	7438
SnapManager Oracle - Filer	2858	A11	7439
FlexCache for NFS	2858	A11	7447
SnapManager VI - Filer	2858	A11	7448
SnapManager SharePoint-Filer	2858	A11	7449
Data ONTAP - GW	2858	A11	6301
CIFS - GW	2858	A11	7501
HTTP - GW	2858	A11	7502
NFS - GW	2858	A11	7503
FlexClone - GW	2858	A11	7504
MultiStore - GW	2858	A11	7505
SnapMirror - GW	2858	A11	7506
SnapLock Enterprise - GW	2858	A11	7507
SnapMover - GW	2858	A11	7508
SnapRestore - GW	2858	A11	7509
SnapVault Primary - GW	2858	A11	7510
SnapVault Secondary - GW	2858	A11	7511
SyncMirror - GW	2858	A11	7514
SnapValidator - GW	2858	A11	7516
Fibre Channel Protocol - GW	2858	A11	7517
SnapManager/Exch - Filer-GW	2858	A11	7518

SnapManager/SQL - Filer-GW	2858	A11	7519
CFO for MetroCluster - GW	2858	A11	7521
NearStore - GW	2858	A11	7522
MetroCluster - GW	2858	A11	7523
iSCSI Protocol - GW	2858	A11	7525
SnapMir/SnapVlt Bundle - GW	2858	A11	7529
SnapManager SAP-Filer - GW	2858	A11	7538
SnapManager Oracle-Filer-GW	2858	A11	7539
FlexCache for NFS - GW	2858	A11	7547
SnapManager VI - Filer - GW	2858	A11	7548
SnapManager ShPnt-Filer-GW	2858	A11	7549
Data ONTAP	2858	A20	6850
CIFS	2858	A20	7451
HTTP	2858	A20	7452
NFS	2858	A20	7453
CFO	2858	A20	7454
FlexClone	2858	A20	7455
MultiStore	2858	A20	7456
SnapMirror	2858	A20	7457
SnapLock Compliance	2858	A20	7458
SnapLock Enterprise	2858	A20	7459
SnapMover	2858	A20	7460
SnapRestore	2858	A20	7461
SnapVault Primary	2858	A20	7462
SnapVault Secondary	2858	A20	7463
SyncMirror	2858	A20	7466
SnapValidator	2858	A20	7468
Fibre Channel Protocol	2858	A20	7469
Disk Sanitization	2858	A20	7470
SnapManager/Exchange - Filer	2858	A20	7471
SnapManager/SQL - Filer	2858	A20	7472
SAN Bundle	2858	A20	7474
iSCSI Protocol	2858	A20	7475
SnapMirror/SnapVault Bundle	2858	A20	7479
NearStore	2858	A20	7481
Adv. Single Instance Storage	2858	A20	7482
SnapManager SAP - Filer	2858	A20	7488
SnapManager Oracle - Filer	2858	A20	7489
FlexCache for NFS	2858	A20	7497
SnapManager VI - Filer	2858	A20	7498
SnapManager SharePoint-Filer	2858	A20	7499
Data ONTAP - GW	2858	A20	6950
CIFS - GW	2858	A20	7551
HTTP - GW	2858	A20	7552
NFS - GW	2858	A20	7553
CFO - GW	2858	A20	7554
FlexClone - GW	2858	A20	7555
MultiStore - GW	2858	A20	7556
SnapMirror - GW	2858	A20	7557
SnapLock Enterprise - GW	2858	A20	7559
SnapMover - GW	2858	A20	7560
SnapRestore - GW	2858	A20	7561
SnapVault Primary - GW	2858	A20	7562
SnapVault Secondary - GW	2858	A20	7563
SyncMirror - GW	2858	A20	7566
SnapValidator - GW	2858	A20	7568
Fibre Channel Protocol - GW	2858	A20	7569
SnapManager/Exch - Filer-GW	2858	A20	7570
SnapManager/SQL - Filer-GW	2858	A20	7571
NearStore - GW	2858	A20	7572
iSCSI Protocol - GW	2858	A20	7575
SnapMir/SnapVlt Bundle - GW	2858	A20	7579
SnapManager SAP-Filer - GW	2858	A20	7588
SnapManager Oracle-Filer-GW	2858	A20	7589
FlexCache for NFS - GW	2858	A20	7597
SnapManager VI - Filer - GW	2858	A20	7598
SnapManager ShPnt-Filer-GW	2858	A20	7599
Data ONTAP	2858	A21	6201
CIFS	2858	A21	6051
HTTP	2858	A21	6052
NFS	2858	A21	6053
CFO	2858	A21	6054

FlexClone	2858	A21	6055
MultiStore	2858	A21	6056
SnapMirror	2858	A21	6057
SnapLock Compliance	2858	A21	6058
SnapLock Enterprise	2858	A21	6059
SnapMover	2858	A21	6060
SnapRestore	2858	A21	6061
SnapVault Primary	2858	A21	6062
SnapVault Secondary	2858	A21	6063
SyncMirror	2858	A21	6066
SnapValidator	2858	A21	6067
Fibre Channel Protocol	2858	A21	6068
Disk Sanitization	2858	A21	6069
SnapManager/Exchange - Filer	2858	A21	6070
SnapManager/SQL - Filer	2858	A21	6071
NearStore	2858	A21	6072
SAN Bundle	2858	A21	6074
iSCSI Protocol	2858	A21	6075
MS Exchange Bundle, 5K usrs	2858	A21	6078
SnapMirror/SnapVault Bundle	2858	A21	6079
FlexCache for NFS	2858	A21	6080
Adv. Single Instance Storage	2858	A21	6082
SnapManager SAP - Filer	2858	A21	6088
SnapManager Oracle - Filer	2858	A21	6089
SnapManager VI - Filer	2858	A21	6098
SnapManager SharePoint-Filer	2858	A21	6099
Data ONTAP - GW	2858	A21	6401
CIFS - GW	2858	A21	6151
HTTP - GW	2858	A21	6152
NFS - GW	2858	A21	6153
CFO - GW	2858	A21	6154
FlexClone - GW	2858	A21	6155
MultiStore - GW	2858	A21	6156
SnapMirror - GW	2858	A21	6157
SnapLock Enterprise - GW	2858	A21	6159
SnapMover - GW	2858	A21	6160
SnapRestore - GW	2858	A21	6161
SnapVault Primary - GW	2858	A21	6162
SnapVault Secondary - GW	2858	A21	6163
SyncMirror - GW	2858	A21	6166
SnapValidator - GW	2858	A21	6167
Fibre Channel Protocol - GW	2858	A21	6168
SnapManager/Exch - Filer-GW	2858	A21	6170
SnapManager/SQL - Filer-GW	2858	A21	6171
NearStore - GW	2858	A21	6172
iSCSI Protocol - GW	2858	A21	6175
SnapMir/SnapVlt Bundle - GW	2858	A21	6179
FlexCache for NFS - GW	2858	A21	6180
SnapManager SAP-Filer - GW	2858	A21	6188
SnapManager Oracle-Filer-GW	2858	A21	6189
SnapManager VI - Filer - GW	2858	A21	6198
SnapManager ShPnt-Filer-GW	2858	A21	6199
Host software			
SnapDrive - AIX® 1-2 Procs	2858	A10, A20 A11, A21	8000
SnapDrive - AIX 3-4 Procs	2858	A10, A20 A11, A21	8001
SnapDrive - AIX 5-8 Procs	2858	A10, A20 A11, A21	8002
SnapDrive - AIX 9+ Procs	2858	A10, A20 A11, A21	8003
SnapDrive - HPUX 1-2 Procs	2858	A10, A20 A11, A21	8004
SnapDrive - HPUX 3-4 Procs	2858	A10, A20 A11, A21	8005
SnapDrive - HPUX 5-8 Procs	2858	A10, A20 A11, A21	8006
SnapDrive - HPUX 9+ Procs	2858	A10, A20 A11, A21	8007
SnapDrive - Solaris 1-2 Proc	2858	A10, A20 A11, A21	8008
SnapDrive - Solaris 3-4 Proc	2858	A10, A20 A11, A21	8009

SnapDrive - Solaris 5-8 Proc	2858	A10, A20 A11, A21	8010
SnapDrive - Solaris 9+ Procs	2858	A10, A20 A11, A21	8011
SnapDrive - Linux® 1-2 Procs	2858	A10, A20 A11, A21	8020
SnapDrive - Linux 3-4 Procs	2858	A10, A20 A11, A21	8021
SnapDrive - Linux 5-8 Procs	2858	A10, A20 A11, A21	8022
SnapDrive - Linux 9+ Procs	2858	A10, A20 A11, A21	8023
SnapDrive for UNIX® Media Kit	2858	A10, A20 A11, A21	8040
SnapDrive for Windows®	2858	A10, A20 A11, A21	8050
SnapDrive for Win Media Kit	2858	A10, A20 A11, A21	8051
ONTAP DSM for Windows MPIO	2858	A10, A20 A11, A21	8052
ONTAP DSM Win MPIO Media Kit	2858	A10, A20 A11, A21	8053
FCP Host Attach Kit - Win	2858	A10, A20 A11, A21	8100
Base FCP Host Atch Kit - AIX	2858	A10, A20 A11, A21	8110
FCP Host Attach Kit - Linux	2858	A10, A20 A11, A21	8120
FCP Host Attach Kit - HPUX	2858	A10, A20 A11, A21	8121
FCP Host Atch Kit - Solaris	2858	A10, A20 A11, A21	8122
FCP Host Utilities - VMware	2858	A10, A20 A11, A21	8123
SnapManager/Oracle - WIN	2858	A10, A20 A11, A21	8129
SnapManager/Exchange - Host	2858	A10, A20 A11, A21	8131
SnapManager/Exch - Media Kit	2858	A10, A20 A11, A21	8132
SnapManager/VI - Host	2858	A10, A20 A11, A21	8133
SnapManager/VI - Media Kit	2858	A10, A20 A11, A21	8134
SnapManager for SQL - Host	2858	A10, A20 A11, A21	8141
SnapManager/SQL - Media Kit	2858	A10, A20 A11, A21	8142
SnapManager for Oracle	2858	A10, A20 A11, A21	8143
SnapManager/Oracle-Media Kit	2858	A10, A20 A11, A21	8144
SnapManager for SAP	2858	A10, A20 A11, A21	8145
SnapManager/SAP-Media Kit	2858	A10, A20 A11, A21	8146
SnapManager SharePoint-Host	2858	A10, A20 A11, A21	8147
SnapManger/Sharepnt-Media Kt	2858	A10, A20 A11, A21	8148
SM SharePoint Mgmt. Bundle	2858	A10, A20 A11, A21	8149
Single Mbox Recovery 100pk	2858	A10, A20 A11, A21	8150
Single Mbox Recovery 500pk	2858	A10, A20 A11, A21	8151
Single Mbox Recovery 1000pk	2858	A10, A20 A11, A21	8152
Single Mbox Recovery 2500pk	2858	A10, A20 A11, A21	8153
Single Mbox Recovery 5K pk	2858	A10, A20 A11, A21	8154
Single Mbox Recovery 10K pk	2858	A10, A20 A11, A21	8155

Single Mbox Recovery 50K pk	2858	A10, A20	8156
		A11, A21	
Single Mbox Recovery Med Kt	2858	A10, A20	8157
		A11, A21	
SMBR CA-ARCSERVE Extract Wiz	2858	A10, A20	8158
		A11, A21	
SMBR Tivoli® Tape Extract Wiz	2858	A10, A20	8159
		A11, A21	
SMBR Legato Tape Extract Wiz	2858	A10, A20	8160
		A11, A21	
SMBR NetBackup Extract Wiz	2858	A10, A20	8161
		A11, A21	
SMBR PST Tape Extract Wiz	2858	A10, A20	8162
		A11, A21	
SMBR HP Extract Wiz	2858	A10, A20	8163
		A11, A21	
SMBR Commvault Galaxy Ex Wiz	2858	A10, A20	8164
		A11, A21	
SMBR UltraBac Extract Wizard	2858	A10, A20	8165
		A11, A21	
SMBR Agent for Adv Search	2858	A10, A20	8166
		A11, A21	
SMBR Content Analysis Wizard	2858	A10, A20	8167
		A11, A21	
SMBR Administrative Server	2858	A10, A20	8168
		A11, A21	
Open Sys SnapVault Media Kit	2858	A10, A20	8200
		A11, A21	
OSSV Windows for Gateways	2858	A10, A20	8201
		A11, A21	
OSSV windows for Filers	2858	A10, A20	8202
		A11, A21	
OSSV Linux for Gateways	2858	A10, A20	8203
		A11, A21	
OSSV Linux for Filers	2858	A10, A20	8204
		A11, A21	
OSSV OFM for Gateways	2858	A10, A20	8205
		A11, A21	
OSSV OFM for Filers	2858	A10, A20	8206
		A11, A21	
OSSV UNIX for Gateways	2858	A10, A20	8207
		A11, A21	
OSSV UNIX for Filers	2858	A10, A20	8208
		A11, A21	
OSSV VMWare for Gateways	2858	A10, A20	8209
		A11, A21	
OSSV VMWare for Filers	2858	A10, A20	8210
		A11, A21	
DFM Server License	2858	A10, A20	8255
		A11, A21	
Op Mgr Store Resource Mgmt	2858	A10, A20	8257
		A11, A21	
Operations Mgr Media Kit	2858	A10, A20	8258
		A11, A21	
Ops Mgr Core tier 1 license	2858	A10, A20	8261
		A11, A21	
Ops Mgr Core tier 2 license	2858	A10, A20	8262
		A11, A21	
Ops Mgr Core tier 3 license	2858	A10, A20	8263
		A11, A21	
Ops Mgr Core tier 4 license	2858	A10, A20	8264
		A11, A21	
Ops Mgr Core tier 5 license	2858	A10, A20	8265
		A11, A21	
Ops Mgr Core tier 6 license	2858	A10, A20	8266
		A11, A21	
Ops Mgr Core tier 7 license	2858	A10, A20	8267
		A11, A21	
Protect Mgr tier 1 license	2858	A10, A20	8268
		A11, A21	
Protect Mgr tier 2 license	2858	A10, A20	8269
		A11, A21	
Protect Mgr tier 3 license	2858	A10, A20	8270
		A11, A21	

Protect Mgr tier 4 license	2858	A10, A20 A11, A21	8271
Protect Mgr tier 5 license	2858	A10, A20 A11, A21	8272
Protect Mgr tier 6 license	2858	A10, A20 A11, A21	8273
Protect Mgr tier 7 license	2858	A10, A20 A11, A21	8274
Provisioning Mgr. tier 1	2858	A10, A20 A11, A21	8275
Provisioning Mgr. tier 2	2858	A10, A20 A11, A21	8276
Provisioning Mgr. tier 3	2858	A10, A20 A11, A21	8277
Provisioning Mgr. tier 4	2858	A10, A20 A11, A21	8278
Provisioning Mgr. tier 5	2858	A10, A20 A11, A21	8279
Provisioning Mgr. tier 6	2858	A10, A20 A11, A21	8280
Provisioning Mgr. tier 7	2858	A10, A20 A11, A21	8281
Protection Mgr. DR tier 1	2858	A10, A20 A11, A21	8282
Protection Mgr. DR tier 2	2858	A10, A20 A11, A21	8283
Protection Mgr. DR tier 3	2858	A10, A20 A11, A21	8284
Protection Mgr. DR tier 4	2858	A10, A20 A11, A21	8285
Protection Mgr. DR tier 5	2858	A10, A20 A11, A21	8286
Protection Mgr. DR tier 6	2858	A10, A20 A11, A21	8287
Protection Mgr. DR tier 7	2858	A10, A20 A11, A21	8288
Power Cords			
PDU Pwr Cord, 42U Rack	2858	A10, A20 A11, A21	9000
Power Cord, Cont. Europe	2858	A10, A20 A11, A21	9001
Power Cord, UK	2858	A10, A20 A11, A21	9002
Power Cord, Japan	2858	A10, A20 A11, A21	9003
Power Cord, North America	2858	A10, A20 A11, A21	9004
Power Cord, Australia/N.Z.	2858	A10, A20 A11, A21	9005
Power Cord, Switzerland	2858	A10, A20 A11, A21	9006
Power Cord, Argentina	2858	A10, A20 A11, A21	9007
Power Cord, China	2858	A10, A20 A11, A21	9008
Power Cord, Denmark	2858	A10, A20 A11, A21	9009
Power Cord, India/S.Africa	2858	A10, A20 A11, A21	9010
Power Cord, Israel	2858	A10, A20 A11, A21	9011
Power Cord, Italy	2858	A10, A20 A11, A21	9012
Power Cord, N.America 250V	2858	A10, A20 A11, A21	9013
Power Cord, Brazil	2858	A10, A20 A11, A21	9014
Power Cord, Taiwan	2858	A10, A20 A11, A21	9015
Power Cord, Taiwan 250V	2858	A10, A20 A11, A21	9016

Installation

Plant install in 2101 rack	2858	A10, A20 A11, A21	9201
Field install rack mount kit	2858	A10, A20 A11, A21	9202
Uninstalled code authoriztn	2858	A10, A20 A11, A21	9550
Gateway Indicator	2858	A10, A20 A11, A21	9551
MES ordering			
MES Order Indicator	2858	A10, A20 A11, A21	9555
IBM Global Finance transaction			
IGF Transaction Indicator	2858	A10, A20 A11, A21	9556
Port/loop counts			
Num. of FC Target Ports	2858	A10, A20 A11, A21	9557
Num. of FC Storage Loops	2858	A10, A20 A11, A21	9558
Num. of SATA Storage Loops	2858	A10, A20 A11, A21	9559
Dual-path FC Cabling	2858	A20, A21	9560

Model conversions:

From		To		Description
Type	Model	Type	Model	
2858	A10	2858	A20	N6040 Model A20
2858	A11	2858	A21	N6070 Model A21

Feature conversions:

Type	From	To	Description
2858	6800	6850	Data ONTAP
2858	6101	6201	Data ONTAP
2858	6900	6950	Data ONTAP - GW
2858	6301	6401	Data ONTAP - GW
2858	6801	7451	CIFS
2858	7401	6051	CIFS
2858	6901	7551	CIFS - GW
2858	7501	6151	CIFS - GW
2858	6802	7452	HTTP
2858	7402	6052	HTTP
2858	6902	7552	HTTP - GW
2858	7502	6152	HTTP - GW
2858	6803	7453	NFS
2858	7403	6053	NFS
2858	6903	7553	NFS - GW
2858	7503	6153	NFS - GW
2858	6805	7455	FlexClone
2858	7404	6055	FlexClone
2858	6905	7555	FlexClone - GW
2858	7504	6155	FlexClone - GW
2858	6806	7456	MultiStore
2858	7405	6056	MultiStore
2858	6906	7556	MultiStore - GW
2858	7505	6156	MultiStore - GW
2858	6807	7457	SnapMirror
2858	7406	6057	SnapMirror
2858	6907	7557	SnapMirror - GW
2858	7506	6157	SnapMirror - GW
2858	6808	7458	SnapLock Compliance
2858	7407	6058	SnapLock Compliance
2858	6809	7459	SnapLock Enterprise
2858	7408	6059	SnapLock Enterprise

2858	6909	7559	SnapLock Enterprise - GW
2858	7507	6159	SnapLock Enterprise - GW
2858	6910	7560	SnapMover - GW
2858	7508	6160	SnapMover - GW
2858	6811	7461	SnapRestore
2858	7409	6061	SnapRestore
2858	6911	7561	SnapRestore - GW
2858	7509	6161	SnapRestore - GW
2858	6812	7462	SnapVault Primary
2858	7410	6062	SnapVault Primary
2858	6912	7562	SnapVault Primary - GW
2858	7510	6162	SnapVault Primary - GW
2858	6813	7463	SnapVault Secondary
2858	7411	6063	SnapVault Secondary
2858	6913	7563	SnapVault Secondary - GW
2858	7511	6163	SnapVault Secondary - GW
2858	6816	7466	SyncMirror
2858	7414	6066	SyncMirror
2858	6916	7566	SyncMirror - GW
2858	7514	6166	SyncMirror - GW
2858	6818	7468	SnapValidator
2858	7416	6067	SnapValidator
2858	6918	7568	SnapValidator - GW
2858	7516	6167	SnapValidator - GW
2858	6819	7469	Fibre Channel Protocol
2858	7417	6068	Fibre Channel Protocol
2858	6919	7569	Fibre Channel Protocol - GW
2858	7517	6168	Fibre Channel Protocol - GW
2858	6820	7470	Disk Sanitization
2858	7418	6069	Disk Sanitization
2858	6821	7471	SnapManager/Exchange - Filer
2858	7419	6070	SnapManager/Exchange - Filer
2858	6921	7570	SnapManager/Exch - Filer-GW
2858	7518	6170	SnapManager/Exch - Filer-GW
2858	6822	7472	SnapManager/SQL - Filer
2858	7420	6071	SnapManager/SQL - Filer
2858	6922	7571	SnapManager/SQL - Filer-GW
2858	7519	6171	SnapManager/SQL - Filer-GW
2858	6825	7475	iSCSI Protocol
2858	7425	6075	iSCSI Protocol
2858	6925	7575	iSCSI Protocol - GW
2858	7525	6175	iSCSI Protocol - GW
2858	6829	7479	SnapMirror/Snapvault Bundle
2858	7429	6079	SnapMirror/Snapvault Bundle
2858	6929	7579	SnapMir/SnapVlt Bundle - GW
2858	7529	6179	SnapMir/SnapVlt Bundle - GW
2858	6831	7481	NearStore
2858	7430	6072	NearStore
2858	6931	7572	NearStore - GW
2858	7522	6172	NearStore - GW
2858	6832	7482	Adv. Single Instance Storage
2858	7432	6082	Adv. Single Instance Storage
2858	6838	7488	SnapManager SAP - Filer
2858	7438	6088	SnapManager SAP - Filer
2858	6938	7588	SnapManager SAP-Filer - GW
2858	7538	6188	SnapManager SAP-Filer - GW
2858	6839	7489	SnapManager Oracle - Filer
2858	7439	6089	SnapManager Oracle - Filer
2858	6939	7589	SnapManager Oracle-Filer-GW
2858	7539	6189	SnapManager Oracle-Filer-GW
2858	6847	7497	FlexCache for NFS
2858	7447	6080	FlexCache for NFS
2858	6947	7597	FlexCache for NFS - GW
2858	7547	6180	FlexCache for NFS - GW
2858	6848	7498	SnapManager VI - Filer
2858	7448	6098	SnapManager VI - Filer
2858	6948	7598	SnapManager VI - Filer - GW
2858	7548	6198	SnapManager VI - Filer - GW
2858	6849	7499	SnapManager SharePoint-Filer
2858	7449	6099	SnapManager SharePoint-Filer
2858	6949	7599	SnapManager ShPnt-Filer-GW
2858	7549	6199	SnapManager ShPnt-Filer-GW

Adapter cards

All the adapter card slots of the N60x0 are PCI-Express (PCIe) slots. The maximum number of adapters that may be added to the Model A10 and Model A11 is four; the maximum for Model A20 and A21 is eight.

When adapter cards are ordered for Model A20 or Model A21 on the initial order, they must be ordered in pairs (an even number - an equal number for each node). For MES orders, this rule does not apply.

When upgrading from Model A10 to A20, or from an A11 to A21, the second node must have the same configuration as the first node. Adapter cards to match those in the first node must also be ordered.

2-Port Fiber GbE NIC (#1012)

This Gigabit Ethernet (1000Base-SX) PCIe feature provides two LC duplex connectors. The maximum supported distance is 275 meters using 62.5 micron MMF media and 550 meters using 50 micron MMF media. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

2-Port Cu GbE NIC (#1013)

This 10/100/1000 Ethernet PCIe feature provides two RJ45 connectors and supports 10Base-T, 100Base-TX, and 1000Base-T Ethernet standards. The maximum supported distance is 100 meters using Cat. 5 UTP four-pair media. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

4-Gbps FC HBA - Disk, 2-port (#1014)

This feature provides one PCIe dual-port 4-Gbps HBA for attaching disk expansion units (EXN1000 and EXN2000) to the N60x0. This adapter auto-negotiates connections of 1-Gbps, 2-Gbps, or 4-Gbps. Two small form factor (SFF) multimode optical ports with LC connectors support the following cable lengths:

Link operating speed	50 micron multimode fibre	62.5 micron multimode fibre
1 Gbps	500 m	300 m
2 Gbps	300 m	150 m
4 Gbps	150 m	70 m

The ports of this adapter may not be used as FCP target ports.

The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

4-Gbps FC HBA - Tape, 2-port (#1015)

This feature provides one PCIe dual-port 4-Gbps HBA for attaching tape devices. This adapter auto-negotiates connections of 1-Gbps, 2-Gbps, or 4-Gbps. Two small form factor (SFF) multimode optical ports with LC connectors support the following cable lengths:

Link operating speed	50 micron multimode fibre	62.5 micron multimode fibre
1 Gbps	500 m	300 m
2 Gbps	300 m	150 m
4 Gbps	150 m	70 m

The ports of this adapter may not be used as FCP target ports.

A 50-micron optical loopback cable with LC connectors is included with this feature.

The Model A10 and A11 allows a maximum of four of this feature; Model A20 and A21 allows a maximum of eight.

2-Port 4-Gbps FC HBA-Target (#1017)

This feature provides one PCIe dual-port 4-Gbps HBA for FCP target ports. This adapter may only be used to provide target ports in lieu of the onboard target ports; it may not be used to attach storage expansion units. It auto-negotiates connections of 1-Gbps, 2-Gbps, or 4-Gbps. Two SFF multimode optical ports with LC connectors support the following cable lengths:

Link operating speed	50 micron multimode fibre	62.5 micron multimode fibre
1 Gbps	500 m	300 m
2 Gbps	300 m	150 m
4 Gbps	150 m	70 m

All FC target ports must be either onboard FC ports or FC HBA ports (#1017). They may not be used in combination.

The Model A10 and A11 allow a maximum of two of this feature; Model A20 and A21 allow a maximum of four.

2-Port iSCSI Target Fi NIC (#1021)

This Gigabit Ethernet iSCSI PCIe TCP/IP offload engine (TOE) feature provides two optical LC duplex connectors for connection to iSCSI hosts. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

4-Port Copper GbE TOE NIC (#1022)

This four-port gigabit Ethernet network interface card provides full TCP/IP offload engine (TOE) capability and iSCSI acceleration. The TOE function includes TCP and UDP checksum offload and large send offload. The iSCSI acceleration includes header and data digest (CRC) generation and verification.

This gigabit Ethernet (1000Base-T) PCIe TOE feature provides four RJ45 connectors. The maximum supported distance is 100 meters using Cat. 5, or better, unshielded twisted pair (UTP) four-pair media. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

4-Port Cu GbE NIC (#1023)

This 10/100/1000 Ethernet (10Base-t, 100Base-TX, and 1000Base-T) PCIe feature provides four RJ45 connectors. The maximum supported distance is 100 meters using Cat. 5, or better, unshielded twisted pair (UTP) four-pair media. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

2-Port SCSI Ultr320 HBA Tape (#1024)

This feature provides one SCSI Ultr320 dual-channel host bus adapter (HBA) and is designed to support connection to a tape device. The adapter includes two 68-pin VHDCI external connectors (Channel A and Channel B). Two SCSI LVD two-metre cables (for connecting to the tape device) are included. These cables have 68-pin VHDCI connectors on each end. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

2-Port iSCSI Target CU NIC (#1026)

This gigabit Ethernet iSCSI PCIe TOE feature provides two RJ45 connectors. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

4-Port 4-Gbps FC HBA - Disk (#1029)

This feature provides one PCIe quad-port 4-Gbps HBA for attaching disk expansion units (EXN1000, EXN2000, and EXN4000) to N series storage controller. This adapter auto-negotiates connections of 1-Gbps, 2-Gbps, or 4-Gbps. This adapter has four small form factor pluggable (SFP) multimode optical ports with LC connectors that support the following cable lengths:

Link operating speed	50 micron multimode fibre	62.5 micron multimode fibre
1 Gbps	500 m	300 m
2 Gbps	300 m	150 m
4 Gbps	150 m	70 m

The ports of this adapter may not be used as FCP target ports. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

2-Port 10GbE TOE NIC (#1031)

This 10-Gb Ethernet PCIe TCP/IP Offload Engine (TOE) adapter feature provides dual LC duplex connectors. It supports a maximum distance of 300 meters using 850-nanometer (nm) multimode fibre (MMF) media.

Cable features 5m 50-micron MMF Cable (#1045), 30m 50-micron MMF Cable (#1046), 10-GbE Fi cable 30m LC/SC (#1047), or 10-GbE Fi cable 5m LC/SC (#1048) may (optionally) be ordered with this feature. Cable features #1045 and #1046 are LC/LC cables; #1047 and #1048 are LC/SC cables. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

2-Port MetroCluster VI HBA (#1032) (Model A1x only)

This PCIe adapter is used only to support the MetroCluster license function feature and compatible switches. It provides the connection heartbeat. The Model A10 and A11 allow a maximum of one of this feature.

SnapMirror over FC HBA PCIe (#1033)

This 4-Gbps PCIe card supports SnapMirror over Fibre Channel. Use this card to configure 4-Gbps FC for SnapMirror. The Model A10 and A11 allow a maximum of one of this feature; Model A20 and A21 allow a maximum of two.

4-Port 4-Gbps FC HBA Tap/Dsk (#1035)

This feature provides one PCIe quad-port 4-Gbps HBA for attaching tape and disk expansion units (EXN1000, EXN2000, and EXN4000) to N series storage controller. This adapter auto-negotiates connections of 1-Gbps, 2-Gbps, or 4-Gbps. Two small form factor (SFF) multimode optical ports with LC connectors support the following cable lengths:

Link operating speed	50 micron multimode fibre	62.5 micron multimode fibre
1 Gbps	500 m	300 m
2 Gbps	300 m	150 m
4 Gbps	150 m	70 m

The ports of this adapter may not be used as FCP target ports. The Model A10 and A11 allow a maximum of four of this feature; Model A20 and A21 allow a maximum of eight.

Ethernet cables

5m 50-micron MMF Cable (#1045)

This feature provides one 5-metre 50-micron multimode optical fibre cable for use with the 2-Port 10GbE NIC (feature #1031). This cable has LC connectors on each end.

30m 50-micron MMF Cable (#1046)

This feature provides one 30-metre 50-micron multimode optical fibre cable for use with the 2-Port 10GbE NIC (feature #1031). This cable has LC connectors on each end.

10-GbE Fi cable 30m LC/SC (#1047)

This feature provides one 30-metre 50-micron multimode optical fibre cable for use with the 2-Port 10GbE NIC (feature #1031). This cable has an LC connector on one end and an SC connector on the other.

10-GbE Fi cable 5m LC/SC (#1048)

This feature provides one 5-metre 50-micron multimode optical fibre cable for use with the 2-Port 10GbE NIC (feature #1031). This cable has an LC connector on one end and an SC connector on the other.

Ext. longwave SFP, 4-Gbps (#1050)

This feature provides 4 Gbps extended longwave SFP to support MetroCluster configurations. This SFP is used only to connect two switches used to configure Fabric MetroCluster in distances up to 30 km. One SFP is required for each switch in the MetroCluster configuration.

Host cables

FC cable, 50u, 31m, LC-LC (#1051)

This 50-micron Fibre Channel cable is 31 meters long with an LC connector on each end. Its intended use is connecting the N series machine to its host system.

FC cable, 50u, 31m, LC-SC (#1052)

This 50-micron Fibre Channel cable is 31 meters long with an LC connector on one end and an SC connector on the other end. Its intended use is connecting the N series machine to its host system.

Licensed function features

Licensed functions are authorized at the 2858 system level. Only one feature is required per 2858 system, regardless of the physical capacity within the 2858 system or the number of attached expansion units.

The following additional licensed functions are available on the N60x0 as optional features except for required CFO features (dual-node models only).

Model A10 feature	Model A11 feature	Model A20 feature	Model A21 feature	Description
6800	6101	6850	6201	Data ONTAP
6900	6301	6950	6401	Data ONTAP - GW
N/A	N/A	7454	6054	CFO
N/A	N/A	7554	6154	CFO - GW
6801	7401	7451	6051	CIFS
6901	7501	7551	6151	CIFS - GW
6802	7402	7452	6052	HTTP
6902	7502	7552	6152	HTTP - GW
6803	7403	7453	6053	NFS
6903	7503	7553	6153	NFS - GW

6804	7421	N/A	N/A	CFO for MetroCluster
6904	7521	N/A	N/A	CFO for MetroCluster
6805	7404	7455	6055	IBM System Storage N60x0 with FlexClone
6905	7504	7555	6155	IBM System Storage N60x0 with FlexClone - GW
6806	7405	7456	6056	IBM System Storage N60x0 with MultiStore
6906	7505	7556	6156	IBM System Storage N60x0 with MultiStore - GW
6807	7406	7457	6057	IBM System Storage N60x0 with SnapMirror
6907	7506	7557	6157	IBM System Storage N60x0 with SnapMirror - GW
6808	7407	7458	6058	IBM System Storage N60x0 with SnapLock Compliance
6809	7408	7459	6059	IBM System Storage N60x0 with SnapLock Enterprise
6909	7507	7559	6159	IBM System Storage N60x0 with SnapLock Enterprise GW
N/A	N/A	7460	6060	IBM System Storage N60x0 with SnapMover
6910	7508	7560	6160	IBM System Storage N60x0 with SnapMover - GW
6811	7409	7461	6061	IBM System Storage N60x0 with SnapRestore
6911	7509	7561	6161	IBM System Storage N60x0 with SnapRestore - GW
6812	7410	7462	6062	IBM System Storage N60x0 with SnapVault Primary
6912	7510	7562	6162	IBM System Storage N60x0 with SnapVault Primary - GW
6813	7411	7463	6063	IBM System Storage N60x0 with SnapVault Secondary
6913	7511	7563	6163	IBM System Storage N60x0 with SnapVault Secondary - GW
6816	7414	7466	6066	IBM System Storage N60x0 with SyncMirror
6916	7514	7566	6166	IBM System Storage N60x0 with SyncMirror - GW
6818	7416	7468	6067	IBM System Storage N60x0 with SnapValidator
6918	7516	7568	6167	IBM System Storage N60x0 with SnapValidator - GW
6819	7417	7469	6068	Fibre Channel Protocol
6919	7517	7569	6168	Fibre Channel Protocol - GW
6820	7418	7470	6069	Disk Sanitization
6821	7419	7471	6070	SnapManager/Exchange - Filer
6921	7518	7570	6170	SnapManager/Exch - Filer-GW
6822	7420	7472	6071	SnapManager/SQL - Filer
6922	7519	7571	6171	SnapManager/SQL - Filer-GW
6823	7431	N/A	N/A	MetroCluster
6923	7523	N/A	N/A	MetroCluster - GW
N/A	N/A	7474	6074	SAN Bundle
6825	7425	7475	6075	iSCSI Protocol
6925	7525	7575	6175	iSCSI Protocol - GW
N/A	N/A	N/A	6078	MS Exchange Bundle, 5k usrs
6829	7429	7479	6079	SnapMirror/SnapVault Bundle
6929	7529	7579	6179	SnapMir/SnapVlt Bundle - GW
6831	7430	7481	6072	NearStore
6931	7522	7572	6172	NearStore - GW
6832	7432	7482	6082	Adv. Single Instance Storage
6838	7438	7488	6088	SnapManager SAP - Filer
6938	7538	7588	6188	SnapManager SAP-Filer - GW
6839	7439	7489	6089	SnapManager Oracle - Filer
6939	7539	7589	6189	SnapManager Oracle-Filer-GW
6847	7447	7497	6080	FlexCache for NFS
6947	7547	7597	6180	FlexCache for NFS - GW
6848	7448	7498	6098	SnapManager VI - Filer
6948	7548	7598	6198	SnapManager VI - Filer - GW
6849	7449	7499	6099	SnapManager SharePoint-Filer
6949	7549	7599	6199	SnapManager ShPnt-Filer-GW
8000	8000	8000	8000	SnapDrive - AIX 1-2 Procs
8001	8001	8001	8001	SnapDrive - AIX 3-4 Procs

8002	8002	8002	8002	SnapDrive - AIX 5-8 Procs
8003	8003	8003	8003	SnapDrive - AIX 9+ Procs
8004	8004	8004	8004	SnapDrive - HPUX 1-2 Procs
8005	8005	8005	8005	SnapDrive - HPUX 3-4 Procs
8006	8006	8006	8006	SnapDrive - HPUX 5-8 Procs
8007	8007	8007	8007	SnapDrive - HPUX 9+ Procs
8008	8008	8008	8008	SnapDrive - Solaris 1-2 Proc
8009	8009	8009	8009	SnapDrive - Solaris 3-4 Proc
8010	8010	8010	8010	SnapDrive - Solaris 5-8 Proc
8011	8011	8011	8011	SnapDrive - Solaris 9+ Procs
8020	8020	8020	8020	SnapDrive - Linux 1-2 Procs
8021	8021	8021	8021	SnapDrive - Linux 3-4 Procs
8022	8022	8022	8022	SnapDrive - Linux 5-8 Procs
8023	8023	8023	8023	SnapDrive - Linux 9+ Procs
8040	8040	8040	8040	SnapDrive for UNIX Media Kit
8050	8050	8050	8050	SnapDrive for Windows
8051	8051	8051	8051	SnapDrive for Win Media Kit
8052	8052	8052	8052	ONTAP DSM for Windows MPIO
8053	8053	8053	8053	ONTAP DSM Win MPIO Media Kit
8100	8100	8100	8100	FCP Host Attach Kit - Win
8110	8110	8110	8110	Base FCP Host Atch Kit - AIX
8120	8120	8120	8120	FCP Host Attach Kit - Linux
8121	8121	8121	8121	FCP Host Attach Kit - HPUX
8122	8122	8122	8122	FCP Host Atch Kit - Solaris
8123	8123	8123	8123	FCP Host Utilities - VMware
8129	8129	8129	8129	SnapManager/Oracle - WIN
8131	8131	8131	8131	SnapManager/Exchange - Host
8132	8132	8132	8132	SnapManager/Exch - Media Kit
8133	8133	8133	8133	SnapManager/VI - Host
8134	8134	8134	8134	SnapManager/VI - Media Kit
8141	8141	8141	8141	SnapManager for SQL - Host
8142	8142	8142	8142	SnapManager/SQL - Media Kit
8143	8143	8143	8143	SnapManager for Oracle
8144	8144	8144	8144	SnapManager/Oracle-Media Kit
8145	8145	8145	8145	SnapManager for SAP
8146	8146	8146	8146	SnapManager/SAP-Media Kit
8147	8147	8147	8147	SnapManager SharePoint-Host
8148	8148	8148	8148	SnapManager/Sharepnt-Media Kt
8149	8149	8149	8149	SM SharePoint Mgmt. Bundle
8150	8150	8150	8150	Single Mbox Recovery 100pk
8151	8151	8151	8151	Single Mbox Recovery 500pk
8152	8152	8152	8152	Single Mbox Recovery 1000pk
8153	8153	8153	8153	Single Mbox Recovery 2500pk
8154	8154	8154	8154	Single Mbox Recovery 5K pk
8155	8155	8155	8155	Single Mbox Recovery 10K pk
8156	8156	8156	8156	Single Mbox Recovery 50K pk
8157	8157	8157	8157	Single Mbox Recovery Med Kt
8158	8158	8158	8158	SMBR CA-ARCSERVE Extract Wiz
8159	8159	8159	8159	SMBR Tivoli Tape Extract Wiz
8160	8160	8160	8160	SMBR Legato Tape Extract Wiz
8161	8161	8161	8161	SMBR NetBackup Extract Wiz
8162	8162	8162	8162	SMBR PST Tape Extract Wiz
8163	8163	8163	8163	SMBR HP Extract Wiz
8164	8164	8164	8164	SMBR Commvault Galaxy Ex Wiz
8165	8165	8165	8165	SMBR UltraBac Extract Wizard
8166	8166	8166	8166	SMBR Agent for Adv Search
8167	8167	8167	8167	SMBR Content Analysis Wizard
8168	8168	8168	8168	SMBR Administrative Server
8200	8200	8200	8200	Open Sys SnapVault Media Kit
8201	8201	8201	8201	OSSV windows for Gateways
8202	8202	8202	8202	OSSV windows for Filers
8203	8203	8203	8203	OSSV Linux for Gateways
8204	8204	8204	8204	OSSV Linux for Filers
8205	8205	8205	8205	OSSV OFM for Gateways
8206	8206	8206	8206	OSSV OFM for Filers
8207	8207	8207	8207	OSSV UNIX for Gateways
8208	8208	8208	8208	OSSV UNIX for Filers
8209	8209	8209	8209	OSSV VMware for Gateways
8210	8210	8210	8210	OSSV VMware for Filers
8255	8255	8255	8255	DFM Server License
8257	8257	8257	8257	Op Mgr Store Resource Mgmt
8258	8258	8258	8258	Operations Mgr Media Kit
8261	8261	8261	8261	Ops Mgr Core tier 1 license
8262	8262	8262	8262	Ops Mgr Core tier 2 license

8263	8263	8263	8263	Ops Mgr Core tier 3 license
8264	8264	8264	8264	Ops Mgr Core tier 4 license
8265	8265	8265	8265	Ops Mgr Core tier 5 license
8266	8266	8266	8266	Ops Mgr Core tier 6 license
8267	8267	8267	8267	Ops Mgr Core tier 7 license
8268	8268	8268	8268	Protect Mgr tier 1 license
8269	8269	8269	8269	Protect Mgr tier 2 license
8270	8270	8270	8270	Protect Mgr tier 3 license
8271	8271	8271	8271	Protect Mgr tier 4 license
8272	8272	8272	8272	Protect Mgr tier 5 license
8273	8273	8273	8273	Protect Mgr tier 6 license
8274	8274	8274	8274	Protect Mgr tier 7 license
8275	8275	8275	8275	Provisioning Mgr. tier 1
8276	8276	8276	8276	Provisioning Mgr. tier 2
8277	8277	8277	8277	Provisioning Mgr. tier 3
8278	8278	8278	8278	Provisioning Mgr. tier 4
8279	8279	8279	8279	Provisioning Mgr. tier 5
8280	8280	8280	8280	Provisioning Mgr. tier 6
8281	8281	8281	8281	Provisioning Mgr. tier 7
8282	8282	8282	8282	Protection Mgr. DR tier 1
8283	8283	8283	8283	Protection Mgr. DR tier 2
8284	8284	8284	8284	Protection Mgr. DR tier 3
8285	8285	8285	8285	Protection Mgr. DR tier 4
8286	8286	8286	8286	Protection Mgr. DR tier 5
8287	8287	8287	8287	Protection Mgr. DR tier 6
8288	8288	8288	8288	Protection Mgr. DR tier 7

Licensed function indicators

Data ONTAP (#6800, #6101, #6850, and #6201) and Data ONTAP - GW (#6900, #6301, #6950, and #6401)

These features enable the Data ONTAP licensed function. Data ONTAP is an optimized, scalable, and flexible operating system for the IBM N series storage controllers that is designed for heterogeneous environments. Data ONTAP is designed to deliver flexible management and high availability, support business continuance, and support data retention, thereby helping reduce storage management complexity in your enterprise. Data ONTAP includes FlexShare, FlexCache, FlexVol, and Snapshot support.

The corequisite 2870 feature must be specified to establish authorization for use of the Data ONTAP licensed function.

CIFS (#6801, #7401, #7451, and #6051) and CIFS - GW (#6901, #7501, #7551, and #6151)

These features enable the CIFS licensed function, which is designed to provide connectivity to client machines so that data can be transferred via the CIFS protocol. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the CIFS licensed function before the feature activation code is provided by IBM.

HTTP (#6802, #7402, #7452, and #6052) and HTTP - GW (#6902, #7502, #7552, and #6152)

These features enable the HTTP licensed function which is designed to provide data transfer to and from the N60x0 storage controllers via the HTTP protocol. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the HTTP licensed function before the feature activation code is provided by IBM.

NFS (#6803, #7403, #7453, and #6053) and NFS - GW (#6903, #7503, #7553, and #6153)

These features enable the NFS licensed function provided you have applied a feature activation code that is made available by IBM. The NFS licensed function is designed to provide connectivity to client machines that transfer data via the NFS protocol. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the NFS licensed function before the feature activation code is provided by IBM.

CFO (#7454 and #7554) and CFO - GW (#6054 and #6154)

Installed on a pair of N series storage controllers, these features are designed to enable the transfer of data service from an unavailable controller to the other controller in the cluster. It is designed to deliver a robust and highly available data service for business-critical environments.

For dual-node, non-gateway machines, either CFO or SAN Bundle must be included in the initial order. For all dual-node gateway machines, CFO must be included in the initial order.

CFO for MetroCluster (#6804 and 7421) and CFO for MetroCluster - GW (#6904 and #7521)

These features enable the CFO for MetroCluster licensed function provided you have applied a feature activation code that is made available by IBM. CFO for MetroCluster must be ordered if the MetroCluster feature is ordered.

FlexClone (#6805, #7404, #7455, and #6055) and FlexClone - GW (#6905, #7504, #7555, and #6155)

These features enable the FlexClone licensed function provided you have applied a feature activation code that is made available by IBM. FlexClone is designed to enable true cloning -- near-instant replication of data volumes and data sets -- without requiring additional storage space at the time of creation. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the FlexClone licensed function before the feature activation code is provided by IBM.

MultiStore (#6806, #7405, #7456, and #6056) and MultiStore - GW (#6906, #7505, #7556, and #6156)

These features enable the MultiStore licensed function provided you have applied a feature activation code that is made available by IBM. MultiStore is designed to enable multiprotocol storage consolidation across enterprises. It is designed to provide partitioning of network and storage resources and enable multidomain and multiserver consolidation on a single storage appliance. In addition, it is designed to help reduce data management cost by introducing a tiered management model enabling cost-effective administration. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the MultiStore licensed function before the feature activation code is provided by IBM.

Note: The combination of Fibre Channel Protocol and MultiStore is supported only on virtual filer 0. They are otherwise mutually exclusive.

SnapMirror (#6807, #7406, #7457, and #6057) and SnapMirror - GW (#6907, #7506, #7557, and #6157)

These features enable the SnapMirror licensed function provided you have applied a feature activation code that is made available by IBM. SnapMirror is designed to replicate data between one or more N series storage controllers. It is designed to continually update the mirrored data to help keep it current and available for disaster recovery, offloading tape backup, read-only data distribution, testing on nonproduction systems, and on-line data migration. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapMirror licensed function before the feature activation code is provided by IBM.

SnapLock Compliance (#6808, #7407, #7458, and #6058)

These features enable the SnapLock Compliance licensed function provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapLock Compliance licensed function before the feature activation code is provided by IBM.

SnapLock Enterprise (#6809, #7408, #7459, and #6059) and SnapLock Enterprise GW (#6909, #7507, #7559, and #6159)

These features enable the SnapLock Enterprise licensed function provided you have applied a feature activation code that is made available by IBM. SnapLock Enterprise is designed to provide high performance and high-security data permanence to disk-based primary and secondary N60x0 storage subsystems. An integrated element of the proven IBM Data ONTAP operating system, SnapLock software is designed to support the accuracy, integrity, and security of data by helping prevent the alteration of business records and allow rapid on-line access for long periods of time. SnapLock Enterprise allows administrators to delete entire SnapLock Enterprise volumes. However, it is designed to prevent any SnapLock Enterprise user or administrator from deleting or modifying individual SnapLock Enterprise WORM records. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapLock Enterprise licensed function before the feature activation code is provided by IBM.

SnapMover (#7460 and #6060 - Model A2x only) and SnapMover - GW (#6910, #7508, #7560 and #6160)

These features enable the SnapMover licensed function provided you have applied a feature activation code that is made available by IBM. SnapMover is designed to provide a no-copy data migration solution for workload distribution among N series storage controllers sharing common backend storage while avoiding impact to data availability and disruption to users. This helps organizations to efficiently address evolving storage and performance requirements while maintaining user productivity. These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the SnapMover licensed function before the feature activation code is provided by IBM.

SnapRestore (#6811, #7409, #7461, and #6061) and SnapRestore - GW (#6911, #7509, #7561, and #6161)

These features enable the SnapRestore licensed function provided you have applied a feature activation code that is made available by IBM. SnapRestore is designed to help an enterprise to recover from data loss that may occur due to user error, viruses, or many other disasters. SnapRestore is designed to help users recover data, from individual files to multi-terabyte volumes, using snapshot copies, to help allow quick resumption of operations. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapRestore licensed function before the feature activation code is provided by IBM.

SnapVault features

SnapVault provides a centralized disk-based backup solution for heterogeneous storage environments. Storing backup data in multiple snapshot copies on the SnapVault secondary storage system from multiple SnapVault primary systems helps let enterprises keep weeks of backups on-line for fast restoration. Backing up multiple SnapVault primary storage systems to a single SnapShot copy on a large SnapVault secondary storage system can help allow enterprises to centralize their backup and restore operations in a single location. SnapVault primary storage systems can be local or remote N60x0 storage controllers, Windows servers, or UNIX servers connected via a LAN or a WAN. The SnapVault secondary storage system can also be located at a remote disaster recovery site to help protect against production site failures.

Note: Prior to DataONTAP 7.3.0, SnapVault Primary and SnapVault Secondary are mutually exclusive on a single-node model. For Data ONTAP 7.3.0 and later, SnapVault Primary and Secondary may coreside on a single node.

SnapVault Primary (#6812, #7410, #7462, and 6062) and SnapVault Primary - GW (#6912, #7510, #7562, and 6162)

These features enable the SnapVault Primary licensed function provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapVault Primary licensed function before the feature activation code is provided by IBM.

SnapVault Secondary (#6813, #7411, #7463, and #6063) and SnapVault Secondary - GW (#6913, #7511, #7563, and #6163)

These features enable the SnapVault Secondary licensed function provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature must be purchased to establish authorization for use of the SnapVault Secondary licensed function before the feature activation code is provided by IBM.

SyncMirror (#6816, #7414, #7466, and #6066) and SyncMirror - GW (#6916, #7514, #7566, and #6166)

These features are designed to provide the capability to create and maintain a mirror copy of data on another N60x0 storage controller. SyncMirror is designed to provide local synchronous data replication capability. By maintaining two copies of data on-line, SyncMirror is designed to help protect your data against hardware outages, including triple disk failure. When used with the IBM N60x0 Clustered Failover high-availability solution, SyncMirror is designed to help you to achieve a high level of data availability. Both N60x0 storage controllers must have the same configuration.

SyncMirror enables the SyncMirror licensed function provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the SyncMirror licensed function before the feature activation code is provided by IBM.

SnapValidator (#6818, #7416, #7468, and #6067) and SnapValidator - GW (#6918, #7516, #7568, and #6167)

These features enable the SnapValidator licensed function provided you have applied a feature activation code that is made available by IBM. SnapValidator is tightly integrated with the Oracle database architecture and complies with the Oracle HARD initiative. It is designed to detect and prevent potential corruptions of Oracle data before they happen. By adding intelligence and database awareness to modular storage systems (across SAN, iSAN, and NAS protocols), IBM N60x0 SnapValidator helps to enable advanced database protection functionality to a broader array of organizations. These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the SnapValidator licensed function before the feature activation code is provided by IBM.

Fibre Channel Protocol (#6819, #7417, #7469, and #6068) and Fibre Channel Protocol - GW (#6919, #7517, #7569, and #6168)

These features enable the Fibre Channel Protocol licensed function which is designed to provide connectivity to client machines that transfer data via the FCP protocol provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the Fibre Channel Protocol licensed function before the feature activation code is provided by IBM.

Note: The combination of Fibre Channel Protocol and MultiStore is supported only on virtual filer 0. They are otherwise mutually exclusive. SAN Bundle includes Fibre Channel Protocol; FCP may not be ordered if SAN Bundle is ordered.

Disk Sanitization (#6820, #7418, #7470, and #6069)

These features enable the Disk Sanitization licensed function provided you have applied a feature activation code that is made available by IBM. These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the Fibre Channel Protocol licensed function before the feature activation code is provided by IBM.

SnapManager/Exchange - Filer (#6821, #7419, #7471, and #6070) and SnapManager/Exchange - Filer-GW (#6921, #7518, #7570, and #6170)

These features enable the SnapManager/Exchange - Filer licensed function provided you have applied a feature activation code that is made available by IBM. IBM SnapManager for Microsoft® Exchange is a comprehensive data management solution designed to streamline storage management while simplifying configuration, backup, and restore operations for Exchange databases. Deployed in combination with N60x0 storage systems, SnapManager software is designed to provide near-instantaneous hot backups and rapid restores to help you achieve a combination of availability, scalability, performance, and reliability for Exchange environments.

These features allow connectivity of any number of exchange servers to one N60x0 storage controller.

Note: SnapManager/Exchange - Filer and SnapManager/Exchange - Host (#8131) provide identical function but support different numbers of hosts. Only one or the other is needed, not both. SnapManager/Exchange - Filer allows connectivity to any number of hosts, SnapManager/Exchange - Host allows just one host connection. If the planned number of hosts to be supported, multiplied by the feature #8131 price, is greater than the price of SnapManager/Exchange - Filer, #6821, #7419, #7471, or #6070 may be a more cost-effective choice. Other factors may influence this decision.

These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the Fibre Channel Protocol licensed function before the feature activation code is provided by IBM.

SnapManager/SQL - Filer (#6822, #7420, #7472, and #6071) and SnapManager/SQL - Filer-GW (#6922, #7519, #7571, and #6171)

These features enable the SnapManager/SQL - Filer licensed function provided you have applied a feature activation code that is made available by IBM. IBM SnapManager for Microsoft SQL is a comprehensive data management solution designed to streamline storage management while simplifying configuration, backup, and restore operations for Exchange databases. Deployed in combination with N60x0 storage systems, SnapManager software is designed to provide near-instantaneous hot backups and rapid restores to help you achieve a combination of availability, scalability, performance, and reliability for SQL environments.

These features allow connectivity of any number of SQL servers to one N60x0 storage controller.

Note: SnapManager/SQL - Filer and SnapManager for SQL - Host (#8141) provide identical function but support different numbers of hosts. Only one or the other is needed, not both. SnapManager/SQL - Filer allows connectivity to any number of hosts, SnapManager for SQL - Host allows just one host connection. If the planned number of hosts to be supported, multiplied by the feature #8141 price, is greater than the price of SnapManager/SQL - Filer, #6822, #7420, #7472, or #6071 may be a more cost-effective choice. Other factors may influence this decision.

These features are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the Fibre Channel Protocol licensed function before the feature activation code is provided by IBM.

MetroCluster (#6823 and #7431 - Model A1x only) and MetroCluster - GW (#6923 and #7531 - Model A1x only)

These features are integrated, high-availability, and business-continuance solutions designed to leverage proven technologies from IBM. They expand the capabilities of the IBM N series portfolio of high-availability and disaster recovery solutions -- a portfolio that includes failover, data replication, and backup solutions. MetroCluster is designed to be a simple-to-administer

solution that extends failover capability from within a data centre to a remote site. It is also designed to provide replication of data from the primary site to a remote site, helping keep data at the remote site current. The combination of failover and data replication aids in the recovery from disaster -- helping prevent loss of data -- in less time than otherwise possible.

SAN Bundle (#6074 and #7474 - Model A2x only)

The SAN Bundle feature provides the combined function of the Clustered Failover (CFO) and Fibre Channel Protocol (FCP) features. If the function of both these features is required, the SAN Bundle feature should be used instead of the stand-alone CFO and FCP features. Either CFO or SAN Bundle must be included in the order for any non-gateway N60x0 Model A2x.

Note: If the SAN Bundle and MultiStore features are both installed, the FCP component of SAN Bundle is supported only on virtual filer 0. SAN Bundle and MultiStore are otherwise mutually exclusive.

iSCSI Protocol (#6825, #7425, #7475, and #6075) and iSCSI Protocol - GW (#6925, #7525, #7575, and #6175)

These features enable the iSCSI Protocol licensed function which is designed to provide connectivity to clients that transfer data via the iSCSI protocol. You must apply a feature activation code made available by IBM. These features are also used for maintenance billing purposes.

MS Exchange Bundle, 5K users (#6078)

This MS Exchange Bundle feature is designed to provide support for 5,000 Single Mailbox Recovery users. Incorporated in the bundle is feature #8154. This feature is available only for the N6070 (2858) Model A21.

SnapMirror/SnapVault Bundle (#6829, #7429, #7479, and #6079) and SnapMir/SnapVlt Bundle - GW (#6929, #7529, #7579, and #6179)

These features are a bundle of the SnapMirror and SnapVault Secondary features, designed to provide improved value for the combination. The bundle is typically used by customers wanting to provide a mirrored, remote site for their data backup. These features are designed to accomplish that by having the SnapVault function create an initial, local backup copy of the data, and then having the SnapMirror function copy the data to a remote site. SnapVault Primary and SnapManager are not included in this bundle.

NearStore (#6831, #7430, #7481, and #6072) and NearStore (#6931, #7530, #7581, and #6172)

These features are designed to help optimize a storage controller for data protection and retention applications. It enables additional concurrent streams and SnapVault for NetBackup.

Adv. Single Instance Storage (#6832, #7432, #7482, and #6082)

These features are designed to provide block-level deduplication within the entire flexible volume on an IBM N series storage controller that has the NearStore feature number enabled. A-SIS only stores unique data blocks in the flexible volume and creates a small amount of additional metadata in the process. Each block of data has a digital "signature" that is compared to all other signatures in the flexible volume. If an exact byte-for-byte block match exists on the flexible volume, the duplicate block is discarded and its disk space is reclaimed.

SnapManager SAP - Filer (#6838, #7438, #7488, and #6088) and SnapManager SAP-Filer - GW (#6938, #7538, #7588, and #6188)

These features are designed to allow SAP administrators to back up and restore an SAP System hosted on an Oracle database. They integrate with the interface for SAP br* tools for backup and recovery of SAP systems as well as with the N series data management tools. They are designed to simplify provisioning and data protection on enterprise SAP systems.

These features allow connectivity of any number of SAP servers to one storage controller. SnapDrive for UNIX (one of features #8000 through #8023) is required, as is the SnapManager for SAP media kit (#8146).

Note: FlexClone is required with NFS and is optional for FCP and iSCSI environments. SnapRestore is always required with SnapManager for SAP. When using iSCSI or FCP, you must have the appropriate host support kit (iSCSI - downloadable) or FCP Host Attach Kit.

SnapManager Oracle - Filer (#6839, #7439, #7489, and #6089) and SnapManager Oracle-Filer-GW (#6939, #7539, #7589, and #6189)

IBM SnapManager for Oracle is designed to integrate with an Oracle Database and automate crucial tasks such as back up, restore, database recovery, and cloning.

Note: FlexClone is required with NFS and is optional for FCP and iSCSI environments. SnapRestore is always required with SnapManager for Oracle. When using iSCSI or FCP, you must have the appropriate host support kit (iSCSI - downloadable) or FCP Host Attach Kit.

These features allow connectivity of any number of Oracle servers to one storage controller. SnapDrive for UNIX (one of features #8000 through #8023) is required, as is the SnapManager for Oracle media kit (#8144).

SnapManager for Oracle requirements vary depending on the host operating system. For full details on supported operating system levels, Oracle database levels, and other SnapManager for Oracle requirements, refer to the N series interoperability matrix at

<http://www.ibm.com/servers/storage/nas>

FlexCache for NFS (#6847, #7447, #7497, and #6080) and FlexCache for NFS - GW (#6947, #7547, #7597, and #6180)

FlexCache for NFS is designed to create a caching layer in your storage infrastructure that helps to eliminate performance bottlenecks in NFS environments. It is designed to replicate hot data sets to local caching volumes anywhere in the infrastructure. This is useful with NFS implementations in compute-intensive applications, distributed computing environments, and reverse tiered storage. For additional details and assistance with planning, it is highly recommended that you refer to the documentation for FlexCache.

SnapManager VI - Filer (#6848, #7448, #7498, and #6098) and SnapManager VI - Filer - GW (#6948, #7548, #7598, and #6198)

IBM SnapManager for Virtual Infrastructures (SnapManager VI) is designed to integrate with a virtual server infrastructure and automate crucial tasks such as back up, restore, recovery, and cloning in a VMWare environment. It allows connectivity of any number of VMWare servers to one storage controller.

SnapManager SharePoint-Filer (#6849, #7449, #7499, and #6099) and SnapManager ShPnt-Filer-GW (#6949, #7549, #7599, and #6199)

These features enable the SnapManager SharePoint-Filer licensed function provided the customer has applied a feature activation code that is made available by IBM. IBM SnapManager for Microsoft Office SharePoint Server (SMMOSS) is designed to enable a single console to manage disk-based backup and recovery of SharePoint content databases, portals, sites, sub-sites, folders, documents, and versions of documents. Deployed in combination with an N series storage system, SnapManager software is designed to provide near-instantaneous hot backups and rapid restores to help you achieve a combination of availability, scalability, performance, and reliability for SharePoint environments.

These features are designed to allow connectivity of any number of Microsoft Office SharePoint servers to one N series storage system. They are also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the SnapManager SharePoint licensed function before the feature activation code is provided by IBM.

Host software

SnapDrive for AIX

These features provide a software application designed to enhance the storage management capabilities in an AIX environment, including easier management of dynamic volume management, cluster management, snapshot management, and replication management. One feature must be ordered for each host on which it will be installed.

Note: Use of these features with FCP attachment requires the FCP Protocol feature (#6819, #7417, #7469, #6068), or the SAN Bundle feature (#7474 or #6074), on the N60x0, as well as corequisite, #8110.

Note: If running with iSCSI, the iSCSI Host Support Kit is required. The iSCSI Host Support Kit is available for download from

<http://www.ibm.com/servers/storage/nas>

SnapDrive - AIX 1-2 Procs (#8000)

This feature provides SnapDrive for AIX support for a single host with 1 or 2 processors.

SnapDrive - AIX 3-4 Procs (#8001)

This feature provides SnapDrive for AIX support for a single host with 3 or 4 processors.

SnapDrive - AIX 5-8 Procs (#8002)

This feature provides SnapDrive for AIX support for a single host with 5, 6, 7, or 8 processors.

SnapDrive - AIX 9+ Procs (#8003)

This feature provides SnapDrive for AIX support for a single host with 9 or more processors.

SnapDrive for HP-UX

These features provide a software application designed to enhance the storage management capabilities in an HP-UX environment, including easier management of dynamic volume management, cluster management, snapshot management, and replication management. One feature must be ordered for each host on which it will be installed.

Note: Use of these features with FCP attachment requires the FCP Protocol feature (#6819, #7417, #7469, #6068), or the SAN Bundle feature (#7474 or #6074), on the N60x0, as well as the corequisite, #8121.

Note: If running with iSCSI, the iSCSI Host Support Kit is required. The iSCSI Host Support Kit is available for download from

<http://www.ibm.com/servers/storage/nas>

SnapDrive - HP-UX 1-2 Procs (#8004)

This feature provides SnapDrive for HP-UX support for a single host with 1 or 2 processors.

SnapDrive - HP-UX 3-4 Procs (#8005)

This feature provides SnapDrive for HP-UX support for a single host with 3 or 4 processors.

SnapDrive - HP-UX 5-8 Procs (#8006)

This feature provides SnapDrive for HP-UX support for a single host with 5 to 8 processors.

SnapDrive - HP-UX 9+ Procs (#8007)

This feature provides SnapDrive for HP-UX support for a single host with 9 or more processors.

SnapDrive for Solaris

These features provide a software application designed to enhance the storage management capabilities in a Solaris environment, including easier management of dynamic volume management, cluster management, snapshot management, and replication management. One feature must be ordered for each host on which it will be installed.

Note: Use of these features with FCP attachment requires the FCP Protocol feature (#6819, #7417, #7469, #6068), or the SAN Bundle feature (#7474 or #6074), on the N60x0, as well as the corequisite, #8122.

Note: If running with iSCSI, the iSCSI Host Support Kit is required. The iSCSI Host Support Kit is available for download from

<http://www.ibm.com/servers/storage/nas>

SnapDrive - Solaris 1-2 Proc (#8008)

This feature provides SnapDrive for Solaris support for a single host with 1 or 2 processors.

SnapDrive - Solaris 3-4 Proc (#8009)

This feature provides SnapDrive for Solaris support for a single host with 3 or 4 processors.

SnapDrive - Solaris 5-8 Proc (#8010)

This feature provides SnapDrive for Solaris support for a single host with 5 to 8 processors.

SnapDrive - Solaris 9+ Procs (#8011)

This feature provides SnapDrive for Solaris support for a single host with 9 or more processors.

SnapDrive for Linux

These features provide a software application designed to enhance the storage management capabilities in an Linux environment, including easier management of dynamic volume management, cluster management, snapshot management, and replication management. One feature must be ordered for each host on which it will be installed.

Note: Use of these features with FCP attachment requires the FCP Protocol feature (#6819, #7417, #7469, #6068), or the SAN Bundle feature (#7474 or #6074), on the N5600, as well as the corequisite, #8120.

Note: iSCSI Host Support Kits must be installed on the N60x0. The iSCSI Host Support Kit is available for download from

<http://www.ibm.com/servers/storage/nas>

SnapDrive - Linux 1-2 Procs (#8020)

This feature provides SnapDrive for Linux support for a single host with 1 or 2 processors.

SnapDrive - Linux 3-4 Procs (#8021)

This feature provides SnapDrive for Linux support for a single host with 3 or 4 processors.

SnapDrive - Linux 5-8 Procs (#8022)

This feature provides SnapDrive for Linux support for a single host with 5 to 8 processors.

SnapDrive - Linux 9+ Procs (#8023)

This feature provides SnapDrive for Linux support for a single host with 9 or more processors.

SnapDrive for UNIX Media Kit (#8040)

This feature provides a physical media kit that includes SnapDrive for Linux, Solaris, AIX, and HP-UX.

SnapDrive for Windows (#8050)

This feature provides SnapDrive for Windows function. One feature must be ordered for each host on which it will be installed. It provides a software application that is designed to enhance the storage management capability in a Windows environment, including easier management

of dynamic volume management, cluster management, snapshot management, and replication management.

Note: Feature number 8052 is highly recommended when using feature number 8050 with FCP.

Note: If running with FCP, feature 8100 is a corequisite. If running with iSCSI, the iSCSI Host Support Kit is required. The iSCSI Host Support Kit is available for download from

<http://www.ibm.com/storage/support/nas>

SnapDrive for Windows Media Kit (#8051)

This feature provides a physical media kit that includes SnapDrive for Windows. This feature is required when ordering #8050.

ONTAP DSM for Windows MPIO (#8052)

This feature provides the multipathing MPIO driver for FC data transmission in Windows environments connected to N series machines. It is required when FC multipathing function is required.

Note: Feature number 8052 is highly recommended when using feature number 8050 with FCP.

ONTAP DSM Win MPIO Media Kit (#8053)

This feature provides the physical media kit for the ONTAP DSM for Windows MPIO (#8052). This feature is required when ordering #8052.

FCP Host Attach Kit - Windows (#8100)

This feature provides a Host Attach Kit for Windows that includes drivers, support scripts, installation scripts, and documentation. One kit must be ordered for each host that is to be attached via FCP.

Base FCP Host Atch Kit - AIX (#8110)

This feature provides the base Host Attach Kit for AIX that includes drivers, support scripts, installation scripts and documentation. Physical media is included.

- If only native AIX MPIO support is required for the host, you should verify the desired configuration in the N series interoperability matrix.

FCP Host Attach Kit - Linux (#8120)

This feature provides a Host Attach Kit for Linux that includes all necessary drivers, support scripts, installation scripts, and documentation. A physical media kit is included with this feature.

FCP Host Atch Kit - HPUX (#8121)

This feature provides a software application designed to enhance the storage management capabilities in an HP-UX environment, including easier dynamic volume management, cluster management, snapshot management, and replication management. A physical media kit is included with this feature. One feature must be ordered for each host on which the feature will be installed.

FCP Host Atch Kit - Solaris (#8122)

This feature provides a software application designed to enhance the storage management capabilities in a Solaris environment, including easier dynamic volume management, cluster management, snapshot management, and replication management. A physical media kit is included with this feature. One feature must be ordered for each host on which the feature will be installed.

FCP Host Utilities - VMWare (#8123)

This feature provides a Host Attach kit for VMWare that includes various drivers, support scripts, installation scripts, and documentation. A physical media kit is included with this feature.

SnapManager/Oracle - WIN (#8129)

IBM SnapManager for Oracle is designed to integrate with an Oracle Database and automate crucial tasks such as backup, restore, database recovery, and cloning. This feature allows connection of one Oracle host server to a storage controller. One of this feature is required for each Oracle host. Snapmanager for Oracle for Windows is available for Oracle databases running on Windows.

Note: When running SnapManager for Oracle for Windows, iSCSI or NFS must be licensed on the N series storage controller. When using NFS protocol, FlexClone is a requirement. FlexClone is optional for iSCSI environments. SnapRestore is always required with SnapManager for Oracle. The necessary SnapDrive code and license are included as part of the SnapManager for Oracle feature. When using iSCSI, you must have the appropriate host support kit (iSCSI - downloadable) available. For full details on supported OS levels and Oracle database levels, refer to the N series interoperability matrix at:

<http://www.ibm.com/servers/storage/nas>

SnapManager/Exchange - Host (#8131)

This feature allows connection of one exchange host server to a storage controller. One of this feature is required for each exchange host. The Fibre Channel Protocol feature or iSCSI must be installed on the attached storage controller.

Note: SnapManager/Exchange - Host and SnapManager/Exchange - Filer provide identical function but support different numbers of hosts. Only one or the other is needed, not both. SnapManager/Exchange - Filer allows connectivity to any number of hosts, SnapManager/Exchange - Host allows just one host connection. If the planned number of hosts to be supported, multiplied by the feature #8131 price, is greater than the price of SnapManager/Exchange - Filer, #6821, #7419, #7471, or #6070 may be a more cost-effective choice. Other factors may influence this decision.

SnapManager/Exch - Media Kit (#8132)

This feature provides the physical media kit for SnapManager for Exchange. Only one media kit is needed for a single SnapManager for Exchange - Filer or Host license. You may order more than one, but a single media kit may be installed on multiple hosts, storage controllers, or gateways.

SnapManager/VI - Host (#8133)

IBM SnapManager for Virtual Infrastructures (SnapManager VI) is designed to integrate with a virtual server infrastructure and automate crucial tasks such as back up, restore, recovery, and cloning in a VMWare environment. One of this feature is required for each SnapManager VI host.

SnapManager/VI - Media Kit (#8134)

IBM SnapManager for Virtual Infrastructures media kit provides the media kit for SnapManager/VI - Host. Only one media kit is needed for a single SnapManager VI license. You may order more than one, but a single kit may be installed on multiple hosts or storage controller.

SnapManager for SQL - Host (#8141)

This feature allows connection of one SQL host server to a storage controller. One of this feature is required for each SQL host. The Fibre Channel Protocol feature or iSCSI must be installed on the attached storage controller.

Note: SnapManager for SQL - Host and SnapManager/SQL - Filer provide identical function but support different numbers of hosts. Only one or the other is needed, not both. SnapManager/SQL - Filer allows connectivity to any number of hosts, SnapManager for SQL - Host allows just one host connection. If the planned number of hosts to be supported, multiplied by the feature #8141 price, is greater than the price of SnapManager/SQL - Filer, #6822, #7420, #7472, or #6071 may be a more cost-effective choice. Other factors may influence this decision.

SnapManager/SQL - Media Kit (#8142)

This feature provides the physical media kit for SnapManager for SQL. Only one media kit is needed for a single SnapManager for SQL - Filer or Host license. You may order more than one, but a single kit may be installed on multiple hosts or storage controllers.

SnapManager for Oracle (#8143)

IBM SnapManager for Oracle is designed to integrate with an Oracle database and automate crucial tasks such as backup, restore, database recovery, and cloning. This feature allows connection of one Oracle host server to a storage controller. One of this feature is required for each Oracle host.

Note: FlexClone is required with NFS and is optional for FCP and iSCSI environments. SnapRestore is always required with SnapManager for Oracle. The necessary SnapDrive code and license are included as part of the SnapManager for Oracle feature. When using iSCSI or FCP, you must have the appropriate host support kit (iSCSI - downloadable) or FCP Host Atch Kit - Solaris (#8122) feature available.

SnapManager for Oracle requirements vary depending on the host operating system. For full details on supported operating system levels, Oracle database levels, and other SnapManager for Oracle requirements, refer to the N series interoperability matrix at

<http://www.ibm.com/servers/storage/nas>

SnapManager/Oracle-Media Kit (#8144)

This feature provides the physical media kit for SnapManager for Oracle. Only one media kit is needed for a single SnapManager for Oracle license. You may order more than one, but a single kit may be installed on multiple hosts or storage controller.

SnapManager for SAP (#8145)

This feature is designed to allow SAP administrators to backup and restore a SAP System hosted on an Oracle Database. It is integrated with the interface for SAP br* tools for backup and recovery of SAP systems as well as with the N series data management tools. It is designed to simplify provisioning and data protection on enterprise SAP systems.

This feature includes feature #8040, SnapDrive for UNIX Media Kit, and SnapManager for Oracle (#8143). Features #8000 through #8023 and #8143 need not be ordered if SnapManager for SAP (#8145) is ordered.

One of this feature must be ordered for each CPU on each host on which it will be installed.

Note: FlexClone is required with NFS and is optional for FCP and iSCSI environments. SnapRestore is always required with SnapManager for Oracle. The necessary SnapDrive code and license are included as part of the SnapManager for Oracle feature. When using iSCSI or FCP, you must have the appropriate host support kit (iSCSI - downloadable) or FCP Host Atch Kit - Solaris (#8122) feature available.

SnapManager/SAP-Media Kit (#8146)

This feature provides the physical media kit for SnapManager for SAP. Only one media kit is needed for a single SnapManager for SAP license. You may order more than one, but a single kit may be installed on multiple hosts or storage controllers.

SnapManager for SharePoint-Host (#8147)

This feature enables the SnapManager SharePoint-Host licensed function provided the customer has applied a feature activation code that is made available by IBM. IBM SnapManager for Microsoft Office SharePoint Server (SMMOSS) is designed to enable a single console to manage disk-based backup and recovery of SharePoint content databases, portals, sites, sub-sites, folders, documents, and versions of documents. Deployed in combination with an N series storage system, SnapManager software is designed to provide near-instantaneous hot backups and rapid restores to help you achieve a combination of availability, scalability, performance, and reliability for SharePoint environments.

This feature is designed to allow connectivity to a single Microsoft Office SharePoint CPU to one N series storage system. It is also used for maintenance billing purposes.

The corequisite 2870 feature number must be purchased to establish authorization for use of the SnapManager SharePoint licensed function before the feature activation code is provided by IBM.

SnapManager/SharePoint-Media Kit (#8148)

This feature provides the physical media kit for SnapManager for SharePoint-Host and Filer. Only one media kit is needed for a single SnapManager for SharePoint license. You may order more than one, but a single kit may be installed on multiple hosts or storage controller.

SM SharePoint Mgmt. Bundle (#8149)

This feature is a bundle of SM SharePoint - Host (#8147), SM SQL - Host (#8141), and SnapDrive for Windows (#8050). This combination of features is commonly used when SnapManager function is required in a Microsoft Office SharePoint Server (MOSS) environment.

Single Mailbox Recovery

Single Mail Box Recovery for Microsoft Exchange (SMBR) software is designed to provide rapid recovery of single mail boxes, individual folders, or single messages from a valid SnapManager backup to the production Exchange server, to any offline Exchange server, or to an Outlook .pst file. The software can help save time and money by avoiding the need for cumbersome and disk-intensive brick-level backups or investments in a dedicated recovery server infrastructure.

Single Mbox Recovery 100pk (#8150)

This feature provides support for 100 mailboxes.

Single Mbox Recovery 500pk (#8151)

This feature provides support for 500 mailboxes.

Single Mbox Recovery 1000pk (#8152)

This feature provides support for 1,000 mailboxes.

Single Mbox Recovery 2500pk (#8153)

This feature provides support for 2,500 mailboxes.

Single Mbox Recovery 5K pk (#8154)

This feature provides support for 5,000 mailboxes.

Single Mbox Recovery 10K pk (#8155)

This feature provides support for 10,000 mailboxes.

Single Mbox Recovery 50K pk (#8156)

This feature provides support for 50,000 mailboxes.

Single Mbox Recovery Med Kt (#8157)

This feature provides the physical media kit for Single Mailbox Recovery. Only one media kit is needed for a single Single Mailbox Recovery license. You may order more than one, but a single media kit may be installed on multiple Exchange Hosts.

SMBR CA-ARCSERVE Extract Wiz (#8158)

The CA-ARCSERVE Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR Tivoli Tape Extract Wiz (#8159)

The Tivoli Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR Legato Tape Extract Wiz (#8160)

The Legato Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR NetBackup Extract Wiz (#8161)

The NetBackup Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR PST Tape Extract Wiz (#8162)

The PST Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR HP Extract Wiz (#8163)

The HP Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR Commvault Galaxy Ex Wiz (#8164)

The Commvault Galaxy Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR UltraBac Extract Wizard (#8165)

The UltraBac Extract Wizard is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR Agent for Adv Search (#8166)

The SMBR Agent for Advanced Search is designed to restore both private and public exchange information, and stored data, from tape and disk backups, to any alternate location, for example, machine, volume, or folder, helping eliminate the need for a recovery server.

SMBR Content Analysis Wizard (#8167)

The SMBR Content Analysis Wizard (CAW) is designed to enable you to automate and save search results with Microsoft Exchange by selecting sources, including entire Exchange Database (EDB) files, individual mailboxes from an EDB, or folders from an EDB. Any number of sources is allowed, including multiple EDBs.

CAW provides a method for e-mail administrators to perform content analysis offline from the production server. It is designed to:

- Minimize the time it takes to detect and filter out e-mails that include specific content
- Minimize the time it takes to detect and filter out a specific type of e-mail file that is being sent or received (for example, specific extension, subject, date), or e-mails being sent and received
- Analyze the number of e-mails being sent and received that contain politically incorrect content (for example tasteless jokes or pornography)
- Analyze the number of e-mails with confidential content that go out unprotected, that is, unencrypted

- Minimize the time it takes to determine if someone is using the system for unauthorized activity (for example, spamming, inappropriate downloads, starting a business)

SMBR Administrative Server (#8168)

This feature is designed to provide a framework that can host centralized services for multiple clients and provide both client and server support for Single Mailbox Recovery 5.0, or later, and Single Mailbox Recovery ExtractWizard users. It facilitates server configuration, mailbox permissions, and application auditing services for SMBR environments.

Open Systems SnapVault (OSSV) features

OSSV is designed to be a heterogeneous, disk-to-disk data protection solution. An OSSV primary system corresponds to a backup client in the traditional backup architecture. The SnapVault secondary system is always an N series system running Data ONTAP. OSSV software is designed to protect data residing on the primary system, which can be a storage system attached to a server running an operating system such as AIX, Windows, VMWare, and Linux.

Three main components are installed within the OSSV environment:

- The primary system
- The OSSV agent residing on the primary system
- The secondary system (N series) with the SnapVault Secondary feature

A predetermined directory or file system is chosen to be backed up to the secondary storage. The data set is mapped to a secondary system tree on a secondary storage system.

The OSSV license is applied to the N series system being utilized in the environment. One license is required per host to be protected with OSSV.

Open Sys SnapVault Media Kit (#8200)

This feature provides the media kit for all OSSV features.

OSSV Windows for Gateways (#8201)

This Open System SnapVault feature is designed to support data structures in a Windows gateway environment.

OSSV Windows for Filers (#8202)

This Open System SnapVault feature is designed to support data structures in a Windows storage controller environment.

OSSV Linux for Gateways (#8203)

This Open System SnapVault feature is designed to support data structures in a Linux gateway environment.

OSSV Linux for Filers (#8204)

This Open System SnapVault feature is designed to support data structures in a Linux storage controller environment.

OSSV OFM for Gateways (#8205)

This Open System SnapVault feature is designed to support data structures in a Open File Manager gateway environment.

OSSV OFM for Filers (#8206)

This Open System SnapVault feature is designed to support data structures in a Open File Manager storage controller environment.

OSSV UNIX for Gateways (#8207)

This Open System SnapVault feature is designed to support data structures in a UNIX gateway environment.

OSSV UNIX for Filers (#8208)

This Open System SnapVault feature is designed to support data structures in a UNIX storage controller environment.

OSSV VMWare for Gateways (#8209)

This Open System SnapVault feature is designed to support data structures in a VMWare gateway environment.

OSSV VMWare for Filers (#8210)

This Open System SnapVault feature is designed to support data structures in a VMWare storage controller environment.

DFM Server License (#8255)

This feature provides a license for one DFM Server. One of this feature must be installed on each server that is to provide DFM Server functions for managing N series storage controllers.

Note: This feature is required for Provisioning Manager and requires DFM Server V3.7, or later.

Operations Manager Core (OMC)

The OMC features are designed to provide a central point of control and to provide alerts, reports, and configuration tools. These tools are designed to help manage storage and content delivery infrastructure, consistent with business requirements, and help maximize availability and reduce total cost of ownership.

OMC provides a license that allows the use of the OMC features on the N series machine for which they are ordered. This machine is the "managing" machine; those to be managed are the "managed" machines. All OMC features must be ordered for *only* the managing machine. One tier license feature must be ordered for each node to be managed, including the nodes of the managing machine.

A Model A10 and G10 consists of one node; a Model A20 and G20 consists of two nodes. On the initial order, the number (quantity) of the tier features ordered defines the number of managed nodes, and the N series machine types and models, for which the feature is authorized. That number may be increased via a subsequent (MES) order by ordering the incremental number of OMC tier x license features (#826x). The MES order must be for the managing machine. For example, if the number of nodes to be managed is to be increased by ten, the number of #826x features, which must be ordered in the MES order, is ten. Any combination of #826x features may be included in the same MES order.

It is necessary to select the appropriate tier for each N series machine you will be managing with the OMC license. Multiple N series machines are managed with one OMC license, but the support for multiple machines must be reflected in the tiers that are ordered. The relationship of N series machines to tiers, and associated feature numbers, is as follows.

N series	Machine		Operations Manager feature			
	type	Model	Number	Name		
N3300	2859	A10	8261	Ops	Mgr	Core tier 1 license
		A20	8261	Ops	Mgr	Core tier 1 license
N3700	2863	A10	8262	Ops	Mgr	Core tier 2 license
		A20	8262	Ops	Mgr	Core tier 2 license
N5200	2864	A10	8263	Ops	Mgr	Core tier 3 license
		A20	8263	Ops	Mgr	Core tier 3 license
		G10	8263	Ops	Mgr	Core tier 3 license
		G20	8263	Ops	Mgr	Core tier 3 license

N5300	2869	A10	8265	Ops Mgr	Core tier 5	license
		A20	8264	Ops Mgr	Core tier 4	license
		G10	8265	Ops Mgr	Core tier 5	license
		G20	8264	Ops Mgr	Core tier 4	license
N5500	2865	A10	8265	Ops Mgr	Core tier 5	license
		A20	8264	Ops Mgr	Core tier 4	license
		G10	8265	Ops Mgr	Core tier 5	license
		G20	8264	Ops Mgr	Core tier 4	license
N5600	2868	A10	8266	Ops Mgr	Core tier 6	license
		A20	8265	Ops Mgr	Core tier 5	license
		G10	8266	Ops Mgr	Core tier 6	license
		G20	8265	Ops Mgr	Core tier 5	license
N6040	2858	A10	8264	Ops Mgr	Core tier 4	license
		A20	8264	Ops Mgr	Core tier 4	license
N6070	2858	A11	8265	Ops Mgr	Core tier 5	license
		A21	8265	Ops Mgr	Core tier 5	license
N7600	2866	A10	8266	Ops Mgr	Core tier 6	license
		A20	8266	Ops Mgr	Core tier 6	license
		G10	8266	Ops Mgr	Core tier 6	license
		G20	8266	Ops Mgr	Core tier 6	license
N7700	2866	A11	8266	Ops Mgr	Core tier 6	license
		A21	8266	Ops Mgr	Core tier 6	license
		G11	8266	Ops Mgr	Core tier 6	license
		G21	8266	Ops Mgr	Core tier 6	license
N7800	2867	A10	8267	Ops Mgr	Core tier 7	license
		A20	8267	Ops Mgr	Core tier 7	license
		G10	8267	Ops Mgr	Core tier 7	license
		G20	8267	Ops Mgr	Core tier 7	license
N7900	2867	A11	8267	Ops Mgr	Core tier 7	license
		A21	8267	Ops Mgr	Core tier 7	license
		G11	8267	Ops Mgr	Core tier 7	license
		G21	8267	Ops Mgr	Core tier 7	license

For example, to use OMC to manage one N3700 Model A20, five N5200 Model A10s, and two N7800 Model G20s, you would order *two* of #8262, *five* of #8263, and *four* of #8267.

The initial order of these features provides a key that allows OMC support of the number of nodes specified. When the number of nodes is increased by a subsequent order, a new key is assigned allowing use of OMC for the new total number of nodes. The old key is rendered obsolete.

Note: The OMC requires only one of feature #8258, regardless of the number of nodes to be managed.

Op Mgr Store Resource Mgmt (#8257)

This feature provides advanced function of Operations Manager. It is designed to provide detailed storage utilization reports to aid capacity planning, consumption management, data migration, and chargeback.

This feature requires one of the OMC tier license features.

Operations Mgr Media Kit (#8258)

This feature provides the media kit required by Operations Manager Core. One media kit supports multiple hosts.

This feature requires one of the OMC tier license features.

Ops Mgr Core tier 1 license (#8261)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 1 machine. One of this feature must be ordered for each node requiring a tier 1 Operations Manager license.

Ops Mgr Core tier 2 license (#8262)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 2 machine. One of this feature must be ordered for each node requiring a tier 2 Operations Manager license.

Ops Mgr Core tier 3 license (#8263)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 3 machine. One of this feature must be ordered for each node requiring a tier 3 Operations Manager license.

Ops Mgr Core tier 4 license (#8264)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 4 machine. One of this feature must be ordered for each node requiring a tier 4 Operations Manager license.

Ops Mgr Core tier 5 license (#8265)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 5 machine. One of this feature must be ordered for each node requiring a tier 5 Operations Manager license.

Ops Mgr Core tier 6 license (#8266)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 6 machine. One of this feature must be ordered for each node requiring a tier 6 Operations Manager license.

Ops Mgr Core tier 7 license (#8267)

This feature provides a license allowing use of the Operations Manager on one node of an N series tier 7 machine. One of this feature must be ordered for each node requiring a tier 7 Operations Manager license.

Protection Manager

This feature provides backup and replication management software for an N series disk-based data protection environment. It is designed to help protect data and support high productivity by providing policy-based management, including when used in automated data protection configurations.

At least one of the OMC tier license features is a prerequisite of the Protection Manager feature.

Protection Manager provides a license that allows the use of the Protection Manager features on the N series machine for which they are ordered. This machine is the "managing" machine; those to be managed are the "managed" machines. All Protection Manager features must be ordered for only the managing machine. One tier license feature must be ordered for each node to be managed, including the nodes of the managing machine.

Model A10 and A11 consist of one node; Model A20 and A21 consist of two nodes. On the initial order, the number (quantity) of the tier features ordered defines the number of managed nodes, and the N series machine types and models, for which the feature is authorized. That number may be increased via a subsequent (MES) order by ordering the incremental number of Protection Manager tier x license features (#82xx). The MES order must be for the managing machine. For example, if the number of nodes to be managed is to be increased by ten, the number of #82xx features, which must be ordered in the MES order, is ten. Any combination of #82xx features may be included in the same MES order.

It is necessary to select the appropriate tier for each N series machine you will be managing with the Protection Manager license. Multiple N series machines are managed with one Protection Manager license, but the support for multiple machines must be reflected in the tiers that are ordered. The relationship of N series machines to tiers, and associated feature numbers, is as follows.

You should purchase Protection Manager license for all nodes running SnapMirror (Source or Destination) and SnapVault (Primary or Secondary) that you want to manage with Protection Manager. Operation Manager is a prerequisite for each system to be managed using Protection Manager. The Protection Manager serial number should be tied to the same managing machine serial number against which the Operation Manager is ordered. The Operation Manager and Protection Manager license keys must be activated on the same managing machine.

N series	Machine		Protection Manager feature			
	type	Model	Number	Name		
N3300	2859	A10	8268	Protect	Mgr	tier 1 license
		A20	8268	Protect	Mgr	tier 1 license
N3600	2862	A10	8269	Protect	Mgr	tier 2 license
		A20	8269	Protect	Mgr	tier 2 license
N3700	2863	A10	8269	Protect	Mgr	tier 2 license
		A20	8269	Protect	Mgr	tier 2 license
N5200	2864	A10	8270	Protect	Mgr	tier 3 license
		A20	8270	Protect	Mgr	tier 3 license
		G10	8270	Protect	Mgr	tier 3 license
		G20	8270	Protect	Mgr	tier 3 license
N5300	2869	A10	8272	Protect	Mgr	tier 5 license
		A20	8271	Protect	Mgr	tier 4 license
		G10	8272	Protect	Mgr	tier 5 license
		G20	8271	Protect	Mgr	tier 4 license
N5500	2865	A10	8272	Protect	Mgr	tier 5 license
		A20	8271	Protect	Mgr	tier 4 license
		G10	8272	Protect	Mgr	tier 5 license
		G20	8271	Protect	Mgr	tier 4 license
N5600	2868	A10	8273	Protect	Mgr	tier 6 license
		A20	8272	Protect	Mgr	tier 5 license
		G10	8273	Protect	Mgr	tier 6 license
		G20	8272	Protect	Mgr	tier 5 license
N6040	2858	A10	8274	Protect	Mgr	tier 4 license
		A20	8274	Protect	Mgr	tier 4 license
N6070	2858	A11	8275	Protect	Mgr	tier 5 license
		A21	8275	Protect	Mgr	tier 5 license
N7600	2866	A10	8273	Protect	Mgr	tier 6 license
		A20	8273	Protect	Mgr	tier 6 license
		G10	8273	Protect	Mgr	tier 6 license
		G20	8273	Protect	Mgr	tier 6 license
N7700	2866	A11	8273	Protect	Mgr	tier 6 license
		A21	8273	Protect	Mgr	tier 6 license
		G11	8273	Protect	Mgr	tier 6 license
		G21	8273	Protect	Mgr	tier 6 license
N7800	2867	A10	8274	Protect	Mgr	tier 7 license
		A20	8274	Protect	Mgr	tier 7 license
		G10	8274	Protect	Mgr	tier 7 license
		G20	8274	Protect	Mgr	tier 7 license
N7900	2867	A11	8274	Protect	Mgr	tier 7 license
		A21	8274	Protect	Mgr	tier 7 license
		G11	8274	Protect	Mgr	tier 7 license
		G21	8274	Protect	Mgr	tier 7 license

Protect Mgr tier 1 license (#8268)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 1 machine. One of this feature must be ordered for each node requiring a tier 1 Protection Manager license.

Protect Mgr tier 2 license (#8269)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 2 machine. One of this feature must be ordered for each node requiring a tier 2 Protection Manager license.

Protect Mgr tier 3 license (#8270)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 3 machine. One of this feature must be ordered for each node requiring a tier 3 Protection Manager license.

Protect Mgr tier 4 license (#8271)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 4 machine. One of this feature must be ordered for each node requiring a tier 4 Protection Manager license.

Protect Mgr tier 5 license (#8272)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 5 machine. One of this feature must be ordered for each node requiring a tier 5 Protection Manager license.

Protect Mgr tier 6 license (#8273)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 6 machine. One of this feature must be ordered for each node requiring a tier 6 Protection Manager license.

Protect Mgr tier 7 license (#8274)

This feature provides a license allowing use of the Protection Manager on one node of an N series tier 7 machine. One of this feature must be ordered for each node requiring a tier 7 Protection Manager license.

Provisioning Manager

Provisioning Manager is an automated, policy-based provisioning software for N series environments. The software is designed to automate manual and repetitive provisioning processes, increasing the productivity of administrators and improving the availability of data by ensuring that provisioned storage complies with data protection policies.

At least one of the OMC tier license features is a prerequisite of each Provisioning Manager feature. An OMC license must be ordered for each N series node to be managed by Provisioning Manager, since Operations Manager is the basis for the DFM server software suite, including Provisioning Manager.

Provisioning Manager provides a client license that works with a DFM server and is designed to allow the use of the Provisioning Manager features for the N series machine for which they are ordered. One tier license feature must be ordered for each N series node to be managed. Groups of Provisioning Manager licenses (license sets) ordered for an N series machine may be applied to any licensed DFM server (feature #8255). A Provisioning Manager license key consists of a license for one or more N series controllers ordered at the same time. License keys may be applied to any licensed DFM Server, and the license keys may be migrated between DFM Servers.

Sets of Provisioning Manager licenses provided in a single license key may not be split up - the entire set must be applied to a single DFM server - but may be migrated, as a whole, between

licensed DFM servers. Multiple sets of Provisioning Manager licenses may be applied to a single DFM server. When migrating a license key of ten Provisioning Manager licenses from one DFM Server to another, the target DFM server must have a minimum of ten Operations Manager licenses of the appropriate tiers. If that DFM server already has a license key for four Provisioning Manager tiers, it must have a minimum of fourteen Operations Manager licenses (to satisfy the requirements of the initial four licenses, plus the ten additive licenses being migrated).

A typical license migration scenario:

Initial configuration:

DFM Server 1 license keys	DFM Server 2 license keys
1 Ops Mgr key: 5 tier 2, 4 tier 3	1 Ops Mgr key: 10 tier 2
1 Prov Mgr key: 5 tier 2	1 Prov Mgr key: 2 tier 2
1 Prov Mgr key: 4 tier 3	

Migrate tier 2 Provisioning Manager license key from DFM Server 1 to DFM Server 2.

New configuration:

DFM Server 1 license keys	DFM Server 2 license keys
1 Ops Mgr key: 5 tier 2, 4 tier 3	1 Ops Mgr key: 10 tier 2
1 Prov Mgr key: 4 tier 3	1 Prov Mgr key: 2 tier 2
	1 Prov Mgr key: 5 tier 2 (migrated from DFM Server 1)

Note that since DFM Server 2 does not include any tier 3 Operations Manager licenses, no tier 3 Provisioning Manager license keys may be migrated to that server.

A Model A10 and G10 consists of one node; a Model A20 and G20 consists of two nodes. On the initial order, the number of the tier features ordered defines the number of managed nodes, and the N series machine types and models, for which the feature is authorized. That number may be increased via a subsequent (MES) order by ordering the incremental number of Provisioning Manager tier x license features. For example, if the number of nodes to be managed is to be increased by ten, the number of Provisioning Manager features, which must be ordered in the MES order, is ten. Any combination of Provisioning Manager features may be included in the same MES order.

Provisioning Manager requires DFM V3.7, or later.

N series	Machine		Number	Operations Manager feature	
	type	Model		Name	
N3300	2859	A10	8275	Provisioning Mgr.	tier 1 license
		A20	8275	Provisioning Mgr.	tier 1 license
N3600	2862	A10	8276	Provisioning Mgr.	tier 2 license
		A20	8276	Provisioning Mgr.	tier 2 license
N3700	2863	A10	8276	Provisioning Mgr.	tier 2 license
		A20	8276	Provisioning Mgr.	tier 2 license
N5200	2864	A10	8277	Provisioning Mgr.	tier 3 license
		A20	8277	Provisioning Mgr.	tier 3 license
		G10	8277	Provisioning Mgr.	tier 3 license
		G20	8277	Provisioning Mgr.	tier 3 license
N5300	2869	A10	8279	Provisioning Mgr.	tier 5 license
		A20	8278	Provisioning Mgr.	tier 4 license
		G10	8279	Provisioning Mgr.	tier 5 license
		G20	8278	Provisioning Mgr.	tier 4 license
N5500	2865	A10	8279	Provisioning Mgr.	tier 5 license
		A20	8278	Provisioning Mgr.	tier 4 license
		G10	8279	Provisioning Mgr.	tier 5 license
		G20	8278	Provisioning Mgr.	tier 4 license
N5600	2868	A10	8280	Provisioning Mgr.	tier 6 license
		A20	8279	Provisioning Mgr.	tier 5 license

		G10	8280	Provisioning Mgr. tier 6 license
		G20	8279	Provisioning Mgr. tier 5 license
N6040	2858	A10	8278	Provisioning Mgr. tier 4 license
		A20	8278	Provisioning Mgr. tier 4 license
N6070	2858	A11	8279	Provisioning Mgr. tier 5 license
		A21	8279	Provisioning Mgr. tier 5 license
N7600	2866	A10	8280	Provisioning Mgr. tier 6 license
		A20	8280	Provisioning Mgr. tier 6 license
		G10	8280	Provisioning Mgr. tier 6 license
		G20	8280	Provisioning Mgr. tier 6 license
N7700	2866	A11	8280	Provisioning Mgr. tier 6 license
		A21	8280	Provisioning Mgr. tier 6 license
		G11	8280	Provisioning Mgr. tier 6 license
		G21	8280	Provisioning Mgr. tier 6 license
N7800	2867	A10	8281	Provisioning Mgr. tier 7 license
		A20	8281	Provisioning Mgr. tier 7 license
		G10	8281	Provisioning Mgr. tier 7 license
		G20	8281	Provisioning Mgr. tier 7 license
N7900	2867	A11	8281	Provisioning Mgr. tier 7 license
		A21	8281	Provisioning Mgr. tier 7 license
		G11	8281	Provisioning Mgr. tier 7 license
		G21	8281	Provisioning Mgr. tier 7 license

Provisioning Mgr. tier 1 (#8275)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 1 machine. One of this feature must be ordered for each node requiring a tier 1 Provisioning Manager license.

Provisioning Mgr. tier 2 (#8276)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 2 machine. One of this feature must be ordered for each node requiring a tier 2 Provisioning Manager license.

Provisioning Mgr. tier 3 (#8277)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 3 machine. One of this feature must be ordered for each node requiring a tier 3 Provisioning Manager license.

Provisioning Mgr. tier 4 (#8278)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 4 machine. One of this feature must be ordered for each node requiring a tier 4 Provisioning Manager license.

Provisioning Mgr. tier 5 (#8279)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 5 machine. One of this feature must be ordered for each node requiring a tier 5 Provisioning Manager license.

Provisioning Mgr. tier 6 (#8280)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 6 machine. One of this feature must be ordered for each node requiring a tier 6 Provisioning Manager license.

Provisioning Mgr. tier 7 (#8281)

This feature provides a license allowing use of the Provisioning Manager for one node of an N series tier 7 machine. One of this feature must be ordered for each node requiring a tier 7 Provisioning Manager license.

Protection Manager DR

This feature provides backup and replication management software for an N series disk-based data protection environment and disaster recovery. It is designed to help protect data and support high productivity by providing policy-based management, including when used in automated data-protection environments.

At least one of the OMC tier license features is a prerequisite of the Protection Manager feature.

Protection Manager DR provides a license that allows the use of the Protection Manager DR features on the N series machine for which they are ordered. This machine is the "managing" machine; those to be managed are the "managed" machines. All Protection Manager DR features must be ordered for only the managing machine. One tier license feature must be ordered for each node to be managed, including the nodes of the managing machine.

A Model A10 consists of one node; a Model A20 consists of two nodes. On the initial order, the number (quantity) of the tier features ordered defines the number of managed nodes, and the N series machine types and models, for which the feature is authorized. That number may be increased via a subsequent (MES) order by ordering the incremental number of Protection Manager DR tier x license features (#82xx). The MES order must be for the managing machine. For example, if the number of nodes to be managed is to be increased by ten, the number of #82xx features, which must be ordered in the MES order, is ten. Any combination of #82xx features may be included in the same MES order.

It is necessary to select the appropriate tier for each N series machine you will be managing with the Protection Manager DR license. Multiple N series machines are managed with one Protection Manager DR license, but the support for multiple machines must be reflected in the tiers that are ordered. The relationship of N series machines to tiers, and associated feature numbers, is as follows.

N series	Machine		Protection Manager feature	
	type	Model	Number	Name
N3300	2859	A10	8282	Protection Mgr. DR tier 1 license
		A20	8282	Protection Mgr. DR tier 1 license
N3600	2862	A10	8283	Protection Mgr. DR tier 2 license
		A20	8283	Protection Mgr. DR tier 2 license
N3700	2863	A10	8283	Protection Mgr. DR tier 2 license
		A20	8283	Protection Mgr. DR tier 2 license
N5200	2864	A10	8284	Protection Mgr. DR tier 3 license
		A20	8284	Protection Mgr. DR tier 3 license
		G10	8284	Protection Mgr. DR tier 3 license
		G20	8284	Protection Mgr. DR tier 3 license
N5300	2869	A10	8286	Protection Mgr. DR tier 5 license
		A20	8285	Protection Mgr. DR tier 4 license
		G10	8286	Protection Mgr. DR tier 5 license
		G20	8285	Protection Mgr. DR tier 4 license
N5500	2865	A10	8286	Protection Mgr. DR tier 5 license
		A20	8285	Protection Mgr. DR tier 4 license
		G10	8286	Protection Mgr. DR tier 5 license
		G20	8285	Protection Mgr. DR tier 4 license
N5600	2868	A10	8287	Protection Mgr. DR tier 6 license
		A20	8286	Protection Mgr. DR tier 5 license
		G10	8287	Protection Mgr. DR tier 6 license
		G20	8286	Protection Mgr. DR tier 5 license
N6040	2858	A10	8285	Protection Mgr. DR tier 4 license
		A20	8285	Protection Mgr. DR tier 4 license

N6070	2858	A11	8286	Protection Mgr. DR tier 5 license
		A21	8286	Protection Mgr. DR tier 5 license
N7600	2866	A10	8287	Protection Mgr. DR tier 6 license
		A20	8287	Protection Mgr. DR tier 6 license
		G10	8287	Protection Mgr. DR tier 6 license
		G20	8287	Protection Mgr. DR tier 6 license
N7700	2866	A11	8287	Protection Mgr. DR tier 6 license
		A21	8287	Protection Mgr. DR tier 6 license
		G11	8287	Protection Mgr. DR tier 6 license
		G21	8287	Protection Mgr. DR tier 6 license
N7800	2867	A10	8288	Protection Mgr. DR tier 7 license
		A20	8288	Protection Mgr. DR tier 7 license
		G10	8288	Protection Mgr. DR tier 7 license
		G20	8288	Protection Mgr. DR tier 7 license
N7900	2867	A11	8288	Protection Mgr. DR tier 7 license
		A21	8288	Protection Mgr. DR tier 7 license
		G11	8288	Protection Mgr. DR tier 7 license
		G21	8288	Protection Mgr. DR tier 7 license

You should purchase the Protection Manager DR license for all nodes running SnapMirror (source or destination) and SnapVault (Primary or Secondary) that you want to manage with Protection Manager. The Operation Manager feature is a prerequisite for each system to be managed using Protection Manager DR. The features must be activated on only the machine for which they were ordered.

Protection Mgr. DR tier 1 (#8282)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 1 machine. One of this feature must be ordered for each node requiring a tier 1 Protection Manager DR license.

Protection Mgr. DR tier 2 (#8283)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 2 machine. One of this feature must be ordered for each node requiring a tier 2 Protection Manager DR license.

Protection Mgr. DR tier 3 (#8284)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 3 machine. One of this feature must be ordered for each node requiring a tier 3 Protection Manager DR license.

Protection Mgr. DR tier 4 (#8285)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 4 machine. One of this feature must be ordered for each node requiring a tier 4 Protection Manager DR license.

Protection Mgr. DR tier 5 (#8286)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 5 machine. One of this feature must be ordered for each node requiring a tier 5 Protection Manager DR license.

Protection Mgr. DR tier 6 (#8287)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 6 machine. One of this feature must be ordered for each node requiring a tier 6 Protection Manager DR license.

Protection Mgr. DR tier 7 (#8288)

This feature provides a license allowing use of the Protection Manager DR for one node of an N series tier 7 machine. One of this feature must be ordered for each node requiring a tier 7 Protection Manager DR license.

Power (line) cords

These features provide two power (line) cords for Model A10, four for Model A20, to supply external power to the N60x0. One power cord feature must be specified, either the PDU power cord for IEC 320, sheet C13 outlets, or one based on the country or region in which the system will be installed.

Feature	Description
9000	PDU Pwr Cord, 42U Rack
9001	Power Cord, Cont. Europe
9002	Power Cord, UK
9003	Power Cord, Japan
9004	Power Cord, North America
9005	Power Cord, Australia/N.Z.
9006	Power Cord, Switzerland
9007	Power Cord, Argentina
9008	Power Cord, China
9009	Power Cord, Denmark
9010	Power Cord, India/S.Africa
9011	Power Cord, Israel
9012	Power Cord, Italy
9013	Power Cord, N.America 250V
9014	Power Cord, Brazil
9015	Power Cord, Taiwan
9016	Power Cord, Taiwan 250V

Miscellaneous hardware features

Rack installation

Either feature number 9201 or 9202, but not both, must be included in the order for N6040 Model A10 or A20.

Plant install in 2101 rack (#9201)

This feature specifies that the N6040 will be installed in an IBM System Storage 2101 Model N00 System Rack, by IBM manufacturing, prior to shipment. When selecting this feature, a 2101 Model N00 rack order must be tied to the N60x0 order using the multisystem order function.

Field install rack mount kit (#9202)

This feature specifies that the N60x0 is to be installed in the field in a customer-provided rack. Rack mounting hardware is included.

Uninstalled code authorization (#9550)

This feature authorizes IBM to ship the N series machine without the software having been pre-loaded. When this feature is specified, the license function activation codes will be shipped separately. Installation of the activation codes is a customer responsibility.

MES Order Indicator (#9555)

This feature indicates a field order for cables and will be automatically added by e-config during the first occurrence of a field order for cables. It is for administrative purposes only.

IGF Transaction Indicator (#9556)

This specify feature is used to designate that a new N60x0 is involved in an IBM Global Financing transaction (lease or financing). It is for administrative purposes only.

For a new N60x0 order that includes #76xx or #6xxx licensed function features (excluding feature #6000 or #6050), the IGF Transaction Indicator feature must be ordered as a Record Purposes Only (RPO) MES to the N60x0. This feature is field-install only and cannot be included on the initial N60x0 order.

This feature should not be used for any other #7600 or #6xxx licensed function transactions. It is not required when adding additional #76xx or #6xxx licensed functions to an installed N60x0.

Configuration specify features

Features #9557, #9558, and #9559 must be specified to verify that sufficient Fibre Channel ports (and sufficient FC HBA for Disk, Dual-port adapters, #1014) are included in the initial order for an N60x0 storage controller.

For a Model A10, the maximum number of feature #9557 that may be specified is four and the total number of feature #9558 and #9559 may not exceed five.

For a Model A20, the maximum number of feature #9557 that may be specified is eight and the total number of feature #9558 and #9559 may not exceed ten.

Num. of FC Target Ports (#9557)

This no-charge feature specifies the number of onboard Fibre Channel ports that are to be configured as FCP target ports. Target ports added via feature number 1017 must not be included in this number. FCP target ports are used for FC attachment of the N60x0 to application servers (containing FC HBAs) or to FC storage area networks.

This feature is only relevant if you intend to use the Fibre Channel Protocol feature on the N60x0. For a Model A10, valid choices are 0, 2, and 4. For a Model A20, valid choices are 0, 2, 4, and 8.

Num. of FC Storage Loops (#9558)

This no-charge feature specifies, on the initial order of an N60x0 storage controller, the number of dual-path FC storage loops that are to be configured for the attachment of EXN2000 and EXN4000 storage expansion units. The EXN2000 or EXN4000 expansion units, included in the initial order, will be distributed across the specified number of storage loops.

Num. of SATA Storage Loops (#9559)

This no-charge feature specifies, on the initial order of an N60x0 storage controller, the number of dual-path FC storage loops that are to be configured for the attachment of EXN1000 SATA storage expansion units. The EXN1000 expansion units, included in the initial order, will be distributed across the specified number of storage loops.

Dual-path FC Cabling (#9560) (Model A2x only)

This no-charge, administrative feature enables multipath FC cabling. It is designed to improve reliability, availability, and serviceability of the expansion units attached to the storage controller by creating two redundant paths from each storage controller to each loop of the expansion units.

This feature requires the order of one additional 5-metre optical cable feature (#2044) and one SFP GBIC feature (#2010) on each expansion unit (EXNx000) that will be directly attached to the storage controller. **Note that these are features of the EXN1000 and EXN4000.** If dual-path FC cabling is installed, every storage loop of the storage controller must be "dual-path".

Feature number 9560 is a plant-only feature -- it may be specified when the N60x0 Model A20 or Model A21 is initially ordered. It may not be specified for an MES (field) order. Dual-path FC cabling may be implemented on installed N60x0 Model A20 or Model A21 storage controllers via an MES order of one each of feature #2010 and any of the FC optical cables (#2042, #2043, or #2044) for **each** expansion unit in the configuration that is attached directly to the storage controller (N7700 Model A21). The FC cables must be of sufficient length.

The FC HBA for Disk, Dual-port feature (#1014) may be required if additional ports are needed.

Publications

The following publications are shipped with the product.

Title	Order number
Shipped in hardcopy:	
IBM System Storage N6000 Series Filer Installation and Setup Instructions	GC53-1143
IBM System Storage N6000 Series Gateway Installation and Setup Instructions	GC53-1144

Shipped on CD-ROM:

IBM System Storage N6000 Series Hardware and Service Guide	GC53-1142
IBM System Storage EXN1000 Storage Expansion Unit Hardware and Service Guide	GC26-7802
IBM System Storage EXN4000 Storage Expansion Unit Hardware and Service Guide	GC27-2080
IBM System Storage N Series Platform Monitoring Guide	GC27-2088
IBM System Storage N series Diagnostics Guide	GC26-7789

On the web, all above, and:

IBM System Storage N series Introduction and Planning Guide	GA32-0543
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All of the above publications are available on the N series support Web site

<http://www.ibm.com/storage/support/nas/>

Publications are only available for download for existing IBM N series customers who have registered their N series products on the N series support site.

Product publications are available in English. IBM may translate key product publications.

When completed, translations will be available through country ordering systems and the N series support Web site.

All N series publications are available on the N series support Web site

<http://www.ibm.com/storage/support/nas/>

Publications are only available for download for existing IBM N series customers who have registered their N series products on the N series support site.

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Technical information

Specified operating environment

Physical specifications

IBM System Storage N6040 and IBM System Storage N6070

width: 447 mm (17.6 in)

Depth: 713.2 mm (28.1 in) with cable management tray

616.6 mm (24.3 in) without cable management tray

Height: 258.7 mm (10.2 in)

weight: Model A10: 44.4 kg (97.8 lb)

Model A20: 52.2 kg (115 lb)

Model A11: 44.9 kg (99 lb)

Model A21: 53.2 kg (117.3 lb)

weight: Add 35.0 kg (77.0 lb) for each EXN1000

weight: Add 35.8 kg (78.8 lb) for each EXN2000

IBM 2101-N00 rack

width: 644 mm (25.4 in)

Depth: 1147 mm (45.2 in)

Height: 1804 mm (71.0 in)

weight: 244 kg (538 lb)

To assure installability and serviceability in non-IBM industry standard racks, review the installation planning information for any product specific installation requirements.

Standards**Safety**

EN 60950: 2000

CE Mark (EU)

UL60950-2000

CSA 60950-00

CB IEC 60950 Ed.3 (worldwide)

EN60825-1:1994+A11

IRAM

GOST-R

NOM (Mexico)

EMC

FCC Class A
EN55022: 2006
EN61000-3-2:2000+A1:2001+A2:2004
EN61000-3-3:1995+A1:2001
CE
ACA C-Tick
VCCI

Immunity

EN55024: 1998+A1:2001+A2:2003

Operating environment

Temperature:

Maximum range: 10 to 40 degrees C (50 to 104 degrees F)
Recommended: 20 to 25 degrees C (68 to 77 degrees F)
Non-operating: -40 to 65 degrees C (-40 to 149 degrees F)

Relative humidity:

Maximum operating range: 20% to 80% (non-condensing)
Recommended operating range: 40 to 55%
Maximum wet bulb: 28 degrees C
Maximum altitude: 3050 m (10,000 ft.)
Note: Operating at extremes of environment may increase failure probability.

Thermal Rating: N6070: 3574 Btu/hr (maximum)

Thermal Rating: N6040: 2714 Btu/hr (maximum)

Maximum electrical power: 100-240 V ac, 12-8 A, 47-63 Hz

Nominal electrical power: 100 to 120 V ac, 10 A, 200 to 240 V ac, 5 A

Noise level: 56 dBA @ 1 m @ 23 degrees C
7.4 bels @ 1 m @ 23 degrees C

Hardware requirements

Licensed machine code (LMC):

The N60x0 requires LMC, Data ONTAP, 7.2.5, or later. Some N60x0 features and functions may not be available or supported in all environments. Current information on supported environments, prerequisites, and minimum operating systems levels is available at

<http://www.ibm.com/servers/storage/nas>

Current license terms for the machine code provided with this product prohibit transfer of the machine code without approval from Network Appliance.

Licensed functions:

The following licensed function is *required* on the N60x0:

- Data ONTAP (feature number 6800, 6400, 6450, or 6050)
- CFO (feature number 7454, 7554, 6054, and 6154 - Model A2x only)

Licensed functions require the selection of N60x0 Model A10, A11, A20, or A21 features and the acquisition of the corresponding IBM 2870 Model 581, 582, 583, or 584 function authorization features.

Software requirements

Current information on servers, operating systems, host adapters, and connectivity products supported by the N6040 and N6070 are available at:

<http://www.ibm.com/servers/storage/nas>

The required 2870 license features are the same as for the equivalent 2858 Model A10, Model A11, Model A20, and Model A21.

Limitations

- The N60x0 is supported only in rack installations.
- This product is functional with the System i and OpenPower® platforms. However, on the System i, support is available only on Linux on Power and AIX partitions, not i5/OS®.
- Current license terms for the machine code provided with this product prohibit transfer of the machine code without approval from Network Appliance.

Planning information

Customer responsibilities

Following good safety practice, IBM recommends that three or more persons install this product.

Physical configuration and installation planning for the 2858 is a customer responsibility. Information about physical configuration and installation requirements, including equipment, site, and power requirements, can be found in the *IBM System Storage N5000 Series Filer Installation and Setup Instructions, GC26-7784*.

A customer-supplied Ethernet cable is required to connect the machine to a server or Ethernet network.

You are responsible for downloading or obtaining from IBM, and installing designated Machine Code (microcode, basic input/output system code (called "BIOS"), utility programs, device drivers, and diagnostics delivered with an IBM machine) and other software updates in a timely manner from an IBM Internet Web site or from other electronic media, and following the instructions that IBM provides. You may request IBM to install Machine Code changes; however, you may be charged for that service.

Cable orders

Fibre Channel cables are required to connect an expansion unit to a 2858 system. Cables can be purchased using expansion unit features.

Installability

Estimated time to unpack an N60x0, install it in the rack, and perform a simple discovery and configuration is two hours.

Security, auditability, and control

This product uses the security and auditability features of host hardware, host software, and/or application software to which it is attached.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Ordering information

Orders may be placed by calling ibm.com®, Americas at 1-800-IBM-CALL (1-800-426-2255).

Terms and conditions

Volume orders: Contact your IBM representative.

IBM Global Financing

Yes

Warranty period

Three years

Warranty service

If required, IBM provides repair or exchange service depending on the types of warranty service specified for the machine. IBM will attempt to resolve your problem over the telephone, or electronically via an IBM Web site. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability. If applicable to your product, parts considered Customer Replaceable Units (CRUs) will be provided as part of the machine's standard warranty service.

Service levels are response time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country and location specific information. This product is covered by the following type(s) of service.

Customer Replaceable Unit Service and On-site for other selected parts.

Customer Replaceable Unit Service IBM provides replacement CRUs to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request. CRUs are designated as being either a Tier 1 or a Tier 2 CRU.

Tier 1 CRU Installation of Tier 1 CRUs is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation.

For machines with on-site same-day response service IBM will replace a Tier 1 CRU part at your request, at no additional charge.

Tier 2 CRU You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge.

Based upon availability, CRUs will be shipped for next business day delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, 1) return instructions and a container is shipped with the replacement CRU and 2) you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement.

The following parts have been designated as Tier 1 CRU parts:

- AC power cord
- AC power supply
- Disk drive
- Cables
- Memory modules
- Wrap plug
- Operator panel

On-site Service IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose.

- 9 hours per day, Monday through Friday, excluding holidays, next-business-day response

Warranty service upgrades:

During the warranty period, warranty service upgrades provide an enhanced level of On-site Service for an additional charge. A warranty service upgrade must be purchased during the warranty period and is for a fixed term (duration). It is not refundable or transferable and may

not be prorated. If required, IBM will provide the warranty service upgrade enhanced level of On-site Service acquired by the customer. Service levels are response time objectives and are not guaranteed.

IBM will attempt to resolve your problem over the telephone or electronically by access to an IBM website. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability.

On-site Service:

IBM will repair the failing machine at your location and verify its operation. You must provide a suitable working area to allow disassembly and reassembly of the IBM machine. The area must be clean, well lit, and suitable for the purpose. The following service selections are available as warranty upgrades for your machine type.

- 9 hours per day, Monday through Friday, excluding holidays, 4-hour average, same-business-day response, IOR
- 24 hours per day, 7 days a week, 4-hour average response, IOR
- 24 hours per day, 7 days a week, 2-hour average response, IOR

Customer Replaceable Units (CRUs) may be provided as part of the Machine's standard warranty CRU Service except that you may install a CRU yourself or request IBM installation, at no additional charge, under one of the On-site Service levels specified above. For additional information on the CRU service, see warranty information.

Maintenance services: If required, IBM provides repair or exchange service depending on the types of maintenance service specified for the Machine. IBM will attempt to resolve your problem over the telephone or electronically, via an IBM web site. You must follow the problem determination and resolution procedures that IBM specifies. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response time objectives and are not guaranteed. The specified level of maintenance service may not be available in all worldwide locations. Additional charges may apply outside IBM's normal service area. Contact your local IBM representative or your reseller for country and location specific information. The following service selections are available as maintenance options for your machine type. On-site Service IBM will repair the failing machine at your location and verify its operation. You must provide suitable working area to allow disassembly and reassembly of the IBM Machine. The area must be clean, well lit, and suitable for the purpose.

- 9 hours per day, Monday through Friday, excluding holidays, next-business-day response
- 9 hours per day, Monday through Friday, excluding holidays, 4 hour average response
- 24 hours per day, 7 days a week, 4-hour average response
- 24 hours per day, 7 days a week, 2-hour average response

Customer Replaceable Units: If your problem can be resolved with a CRU (e.g., keyboard, mouse, speaker, memory, or hard disk drive), and depending upon the maintenance service offerings in your geography, IBM will ship the CRU to you for you to install. CRU information and replacement instructions are shipped with your machine and are available from IBM upon your request. Based upon availability, CRUs will be shipped for next business day delivery. IBM specifies, in the materials shipped with a replacement CRU, whether a defective CRU must be returned to IBM. When return is required, 1) return instructions and a container is shipped with the replacement CRU and 2) you may be charged for the replacement CRU if IBM does not receive the defective CRU within 15 days of your receipt of the replacement. Customer Replaceable Unit Service and On-site Service for other selected parts On-site and Customer Replaceable Unit Service is available in your geography. Refer to the information above for On-site Service. Below, you will find additional information pertaining to CRU service available for your product. CRUs are designated as being either a Tier 1 or a Tier 2 CRU. Tier 1 CRUs Installation of Tier 1 CRUs is your responsibility. If IBM installs a Tier 1 CRU at your request, you will be charged for the installation. Machines with On-site Same-day Response Service IBM will replace a Tier 1 CRU part at your request, at no additional charge. Tier 2 CRUs You may install a Tier 2 CRU yourself or request IBM to install it, at no additional charge. The following parts have been designated as Tier 1 CRU parts:

- AC power cord

- AC power supply
- Disk drive
- Cables
- Memory modules
- Wrap plug
- Operator panel

Usage plan machine

No

IBM hourly service rate classification

One

When a type of service involves the exchange of a machine part, the replacement may not be new, but will be in good working order.

Field-installable features

Yes

Model conversions

Yes

Machine installation

Installation is performed by IBM. IBM will install the machine in accordance with the IBM installation procedures for the Machine. In the United States, contact IBM at 1-800-IBM-SERV (426-7378), in other countries contact the local IBM office.

The *Machine Installation Guide* specifies site preparation, physical requirements and installation (operating) environment, and any cabling included in the installation along with the approximate installation time in hours. Customer requests for installation of items not covered in the installation guide may be performed at IBM's hourly service rate designated for the machine.

Graduated program license charges apply

No

Licensed machine code

This product contains, or is provided together with, code which is licensed to the user, not sold. That code is copyrighted and may be the property of IBM, its supplier(s) or other third parties. You are authorized to use the code to the extent set forth in the applicable license agreement(s) provided with the product. You may also obtain a copy of applicable license agreement by contacting your IBM representative.

Current license terms for the machine code provided with this product prohibit transfer of the machine code without approval from Network Appliance.

Machines using machine code: 2858-A10, 2858-A11, 2858-A20, or 2866-A21

IBM may release changes to the machine code. IBM plans to make the machine code changes available for download from the IBM System Storage technical support Web sites

<http://www-03.ibm.com/servers/storage/support/nas/n6040/downloading.html>

<http://www-03.ibm.com/servers/storage/support/nas/n6070/downloading.html>

If the machine does not function as warranted and your problem can be resolved through your application of downloadable machine code, you are responsible for downloading and installing these designated machine code changes as IBM specifies. If you would prefer, you may request

IBM to install downloadable machine code changes; however, you may be charged for that service.

Educational allowance

A reduced charge is available to qualified education customers. The educational allowance may not be added to any other discount or allowance.

The educational allowance is 15% for the products in this announcement.

Pricing

Prices are subject to change without notice.

GST, QST, and Sales Taxes, where applicable, are extra.

Products

Description	Machine type	model	Feat. number
N6040 Model A10	2858	A10	
N6040 Model A20	2858	A20	
N6070 Model A11	2858	A11	
N6070 Model A21	2858	A21	
2-Port Fiber GbE NIC	2858	A10, A20 A11, A21	1012
2-Port Cu GbE NIC	2858	A10, A20 A11, A21	1013
4-Gbps FC HBA - Disk, 2-port	2858	A10, A20 A11, A21	1014
4-Gbps FC HBA - Tape, 2-port	2858	A10, A20 A11, A21	1015
2-Port 4-Gbps FC HBA-Target	2858	A10, A20 A11, A21	1017
2-Port iSCSI Target Fi NIC	2858	A10, A20 A11, A21	1021
4-Port Cu GbE TOE NIC	2858	A10, A20 A11, A21	1022
4-Port Cu GbE NIC	2858	A10, A20 A11, A21	1023
2-Port SCSI Ult320 HBA tape	2858	A10, A20 A11, A21	1024
2-Port iSCSI Target CU NIC	2858	A10, A20 A11, A21	1026
4-Port 4-Gbps FC HBA - Disk	2858	A10, A20 A11, A21	1029
2-Port 10GbE TOE NIC	2858	A10, A20 A11, A21	1031
2-Port MetroCluster VI HBA	2858	A10, A11	1032
SnapMirror over FC HBA PCIe	2858	A10, A20 A11, A21	1033
4-Port 4-Gbps FC HBA Tap/Dsk	2858	A10, A20 A11, A21	1035
5m 50-micron MMF Cable	2858	A10, A20 A11, A21	1045
30m 50-micron MMF Cable	2858	A10, A20 A11, A21	1046
10-GbE Fi cable 30m LC/SC	2858	A10, A20 A11, A21	1047
10-GbE Fi cable 5m LC/SC	2858	A10, A20 A11, A21	1048
Ext. longwave SFP, 4-Gbps	2858	A10, A11	1050
FC cable, 50u, 31m, LC-LC	2858	A10, A20 A11, A21	1051
FC cable, 50u, 31m, LC-SC	2858	A10, A20 A11, A21	1052

Licensed Function Indicators

Data ONTAP	2858	A10	6800
CIFS	2858	A10	6801
HTTP	2858	A10	6802
NFS	2858	A10	6803
CFO for MetroCluster	2858	A10	6804
FlexClone	2858	A10	6805
MultiStore	2858	A10	6806
SnapMirror	2858	A10	6807
SnapLock Compliance	2858	A10	6808
SnapLock Enterprise	2858	A10	6809
SnapRestore	2858	A10	6811
SnapVault Primary	2858	A10	6812
SnapVault Secondary	2858	A10	6813
SyncMirror	2858	A10	6816
SnapValidator	2858	A10	6818
Fibre Channel Protocol	2858	A10	6819
Disk Sanitization	2858	A10	6820
SnapManager/Exchange - Filer	2858	A10	6821
SnapManager/SQL - Filer	2858	A10	6822
MetroCluster	2858	A10	6823
iSCSI Protocol	2858	A10	6825
SnapMirror/SnapVault Bundle	2858	A10	6829
NearStore	2858	A10	6831
Adv. Single Instance Storage	2858	A10	6832
SnapManager SAP - Filer	2858	A10	6838
SnapManager Oracle - Filer	2858	A10	6839
FlexCache for NFS	2858	A10	6847
SnapManager VI - Filer	2858	A10	6848
SnapManager SharePoint-Filer	2858	A10	6849
Data ONTAP - GW	2858	A10	6900
CIFS - GW	2858	A10	6901
HTTP - GW	2858	A10	6902
NFS - GW	2858	A10	6903
CFO for MetroCluster - GW	2858	A10	6904
FlexClone - GW	2858	A10	6905
MultiStore - GW	2858	A10	6906
SnapMirror - GW	2858	A10	6907
SnapLock Enterprise - GW	2858	A10	6909
SnapMover - GW	2858	A10	6910
SnapRestore - GW	2858	A10	6911
SnapVault Primary - GW	2858	A10	6912
SnapVault Secondary - GW	2858	A10	6913
SyncMirror - GW	2859	A10	6916
SnapValidator - GW	2858	A10	6918
Fibre Channel Protocol - GW	2858	A10	6919
SnapManager/Exch - Filer-GW	2858	A10	6921
SnapManager/SQL - Filer-GW	2858	A10	6922
MetroCluster - GW	2858	A10	6923
iSCSI Protocol - GW	2858	A10	6925
SnapMir/SnapVlt Bundle - GW	2858	A10	6929
NearStore - GW	2858	A10	6931
SnapManager SAP-Filer - GW	2858	A10	6938
SnapManager Oracle-Filer-GW	2858	A10	6939
FlexCache for NFS - GW	2858	A10	6947
SnapManager VI - Filer - GW	2858	A10	6948
SnapManager ShPnt-Filer-GW	2858	A10	6949
Data ONTAP	2858	A11	6101
CIFS	2858	A11	7401
HTTP	2858	A11	7402
NFS	2858	A11	7403
FlexClone	2858	A11	7404
MultiStore	2858	A11	7405
SnapMirror	2858	A11	7406
SnapLock Compliance	2858	A11	7407
SnapLock Enterprise	2858	A11	7408
SnapRestore	2858	A11	7409
SnapVault Primary	2858	A11	7410
SnapVault Secondary	2858	A11	7411
SyncMirror	2858	A11	7414
SnapValidator	2858	A11	7416
Fibre Channel Protocol	2858	A11	7417
Disk Sanitization	2858	A11	7418

SnapManager/Exchange - Filer	2858	A11	7419
SnapManager/SQL - Filer	2858	A11	7420
CFO for MetroCluster	2858	A11	7421
iSCSI Protocol	2858	A11	7425
SnapMirror/SnapVault Bundle	2858	A11	7429
NearStore	2858	A11	7430
MetroCluster	2858	A11	7431
Adv. Single Instance Storage	2858	A11	7432
SnapManager SAP - Filer	2858	A11	7438
SnapManager Oracle - Filer	2858	A11	7439
FlexCache for NFS	2858	A11	7447
SnapManager VI - Filer	2858	A11	7448
SnapManager SharePoint-Filer	2858	A11	7449
Data ONTAP - GW	2858	A11	6301
CIFS - GW	2858	A11	7501
HTTP - GW	2858	A11	7502
NFS - GW	2858	A11	7503
FlexClone - GW	2858	A11	7504
MultiStore - GW	2858	A11	7505
SnapMirror - GW	2858	A11	7506
SnapLock Enterprise - GW	2858	A11	7507
SnapMover - GW	2858	A11	7508
SnapRestore - GW	2858	A11	7509
SnapVault Primary - GW	2858	A11	7510
SnapVault Secondary - GW	2858	A11	7511
SyncMirror - GW	2858	A11	7514
SnapValidator - GW	2858	A11	7516
Fibre Channel Protocol - GW	2858	A11	7517
SnapManager/Exch - Filer-GW	2858	A11	7518
SnapManager/SQL - Filer-GW	2858	A11	7519
CFO for MetroCluster - GW	2858	A11	7521
NearStore - GW	2858	A11	7522
MetroCluster - GW	2858	A11	7523
iSCSI Protocol - GW	2858	A11	7525
SnapMir/SnapVlt Bundle - GW	2858	A11	7529
SnapManager SAP-Filer - GW	2858	A11	7538
SnapManager Oracle-Filer-GW	2858	A11	7539
FlexCache for NFS - GW	2858	A11	7547
SnapManager VI - Filer - GW	2858	A11	7548
SnapManager ShPnt-Filer-GW	2858	A11	7549
Data ONTAP	2858	A20	6850
CIFS	2858	A20	7451
HTTP	2858	A20	7452
NFS	2858	A20	7453
CFO	2858	A20	7454
FlexClone	2858	A20	7455
MultiStore	2858	A20	7456
SnapMirror	2858	A20	7457
SnapLock Compliance	2858	A20	7458
SnapLock Enterprise	2858	A20	7459
SnapMover	2858	A20	7460
SnapRestore	2858	A20	7461
SnapVault Primary	2858	A20	7462
SnapVault Secondary	2858	A20	7463
SyncMirror	2858	A20	7466
SnapValidator	2858	A20	7468
Fibre Channel Protocol	2858	A20	7469
Disk Sanitization	2858	A20	7470
SnapManager/Exchange - Filer	2858	A20	7471
SnapManager/SQL - Filer	2858	A20	7472
SAN Bundle	2858	A20	7474
iSCSI Protocol	2858	A20	7475
SnapMirror/SnapVault Bundle	2858	A20	7479
NearStore	2858	A20	7481
Adv. Single Instance Storage	2858	A20	7482
SnapManager SAP - Filer	2858	A20	7488
SnapManager Oracle - Filer	2858	A20	7489
FlexCache for NFS	2858	A20	7497
SnapManager VI - Filer	2858	A20	7498
SnapManager SharePoint-Filer	2858	A20	7499
Data ONTAP - GW	2858	A20	6950
CIFS - GW	2858	A20	7551
HTTP - GW	2858	A20	7552

NFS - GW	2858	A20	7553
CFO	2858	A20	7554
FlexClone - GW	2858	A20	7555
MultiStore - GW	2858	A20	7556
SnapMirror - GW	2858	A20	7557
SnapLock Enterprise - GW	2858	A20	7559
SnapMover - GW	2858	A20	7560
SnapRestore - GW	2858	A20	7561
SnapVault Primary - GW	2858	A20	7562
SnapVault Secondary - GW	2858	A20	7563
SyncMirror - GW	2858	A20	7566
SnapValidator - GW	2858	A20	7568
Fibre Channel Protocol - GW	2858	A20	7569
SnapManager/Exch - Filer-GW	2858	A20	7570
SnapManager/SQL - Filer-GW	2858	A20	7571
NearStore - GW	2858	A20	7572
iSCSI Protocol - GW	2858	A20	7575
SnapMir/SnapVlt Bundle - GW	2858	A20	7579
SnapManager SAP-Filer - GW	2858	A20	7588
SnapManager Oracle-Filer-GW	2858	A20	7589
FlexCache for NFS - GW	2858	A20	7597
SnapManager VI - Filer - GW	2858	A20	7598
SnapManager ShPnt-Filer-GW	2858	A20	7599
Data ONTAP	2858	A21	6201
CIFS	2858	A21	6051
HTTP	2858	A21	6052
NFS	2858	A21	6053
CFO	2858	A21	6054
FlexClone	2858	A21	6055
MultiStore	2858	A21	6056
SnapMirror	2858	A21	6057
SnapLock Compliance	2858	A21	6058
SnapLock Enterprise	2858	A21	6059
SnapMover	2858	A21	6060
SnapRestore	2858	A21	6061
SnapVault Primary	2858	A21	6062
SnapVault Secondary	2858	A21	6063
SyncMirror	2858	A21	6066
SnapValidator	2858	A21	6067
Fibre Channel Protocol	2858	A21	6068
Disk Sanitization	2858	A21	6069
SnapManager/Exchange - Filer	2858	A21	6070
SnapManager/SQL - Filer	2858	A21	6071
NearStore	2858	A21	6072
SAN Bundle	2858	A21	6074
iSCSI Protocol	2858	A21	6075
MS Exchange Bundle, 5K usrs	2858	A21	6078
SnapMirror/SnapVault Bundle	2858	A21	6079
FlexCache for NFS	2858	A21	6080
Adv. Single Instance Storage	2858	A21	6082
SnapManager SAP - Filer	2858	A21	6088
SnapManager Oracle - Filer	2858	A21	6089
SnapManager VI - Filer	2858	A21	6098
SnapManager SharePoint-Filer	2858	A21	6099
Data ONTAP - GW	2858	A21	6401
CIFS - GW	2858	A21	6151
HTTP - GW	2858	A21	6152
NFS - GW	2858	A21	6153
CFO	2858	A21	6154
FlexClone - GW	2858	A21	6155
MultiStore - GW	2858	A21	6156
SnapMirror - GW	2858	A21	6157
SnapLock Enterprise - GW	2858	A21	6159
SnapMover - GW	2858	A21	6160
SnapRestore - GW	2858	A21	6161
SnapVault Primary - GW	2858	A21	6162
SnapVault Secondary - GW	2858	A21	6163
SyncMirror - GW	2858	A21	6166
SnapValidator - GW	2858	A21	6167
Fibre Channel Protocol - GW	2858	A21	6168
SnapManager/Exch - Filer-GW	2858	A21	6170
SnapManager/SQL - Filer-GW	2858	A21	6171
NearStore - GW	2858	A21	6172

iSCSI Protocol - GW	2858	A21	6175
SnapMir/SnapVlt Bundle - GW	2858	A21	6179
FlexCache for NFS - GW	2858	A21	6180
SnapManager SAP-Filer - GW	2858	A21	6188
SnapManager Oracle-Filer-GW	2858	A21	6189
SnapManager VI - Filer - GW	2858	A21	6198
SnapManager ShPnt-Filer-GW	2858	A21	6199
Host software			
SnapDrive - AIX 1-2 Procs	2858	A10, A20 A11, A21	8000
SnapDrive - AIX 3-4 Procs	2858	A10, A20 A11, A21	8001
SnapDrive - AIX 5-8 Procs	2858	A10, A20 A11, A21	8002
SnapDrive - AIX 9+ Procs	2858	A10, A20 A11, A21	8003
SnapDrive - HPUX 1-2 Procs	2858	A10, A20 A11, A21	8004
SnapDrive - HPUX 3-4 Procs	2858	A10, A20 A11, A21	8005
SnapDrive - HPUX 5-8 Procs	2858	A10, A20 A11, A21	8006
SnapDrive - HPUX 9+ Procs	2858	A10, A20 A11, A21	8007
SnapDrive - Solaris 1-2 Proc	2858	A10, A20 A11, A21	8008
SnapDrive - Solaris 3-4 Proc	2858	A10, A20 A11, A21	8009
SnapDrive - Solaris 5-8 Proc	2858	A10, A20 A11, A21	8010
SnapDrive - Solaris 9+ Procs	2858	A10, A20 A11, A21	8011
SnapDrive - Linux 1-2 Procs	2858	A10, A20 A11, A21	8020
SnapDrive - Linux 3-4 Procs	2858	A10, A20 A11, A21	8021
SnapDrive - Linux 5-8 Procs	2858	A10, A20 A11, A21	8022
SnapDrive - Linux 9+ Procs	2858	A10, A20 A11, A21	8023
SnapDrive for UNIX Media Kit	2858	A10, A20 A11, A21	8040
SnapDrive for windows	2858	A10, A20 A11, A21	8050
SnapDrive for Win Media Kit	2858	A10, A20 A11, A21	8051
ONTAP DSM for windows MPIO	2858	A10, A20 A11, A21	8052
ONTAP DSM Win MPIO Media Kit	2858	A10, A20 A11, A21	8053
FCP Host Attach Kit - win	2858	A10, A20 A11, A21	8100
Base FCP Host Atch Kit - AIX	2858	A10, A20 A11, A21	8110
FCP Host Attach Kit - Linux	2858	A10, A20 A11, A21	8120
FCP Host Attach Kit - HPUX	2858	A10, A20 A11, A21	8121
FCP Host Atch Kit - Solaris	2858	A10, A20 A11, A21	8122
FCP Host Utilities - VMware	2858	A10, A20 A11, A21	8123
SnapManager/Oracle - WIN	2858	A10, A20 A11, A21	8129
SnapManager/Exchange - Host	2858	A10, A20 A11, A21	8131
SnapManager/Exch - Media Kit	2858	A10, A20 A11, A21	8132
SnapManager/VI - Host	2858	A10, A20 A11, A21	8133
SnapManager/VI - Media Kit	2858	A10, A20 A11, A21	8134
SnapManager for SQL - Host	2858	A10, A20	8141

		A11, A21	
SnapManager/SQL - Media Kit	2858	A10, A20	8142
		A11, A21	
SnapManager for Oracle	2858	A10, A20	8143
		A11, A21	
SnapManager/Oracle-Media Kit	2858	A10, A20	8144
		A11, A21	
SnapManager for SAP	2858	A10, A20	8145
		A11, A21	
SnapManager/SAP-Media Kit	2858	A10, A20	8146
		A11, A21	
SnapManager SharePoint-Host	2858	A10, A20	8147
		A11, A21	
SnapManger/Sharepnt-Media Kt	2858	A10, A20	8148
		A11, A21	
SM SharePoint Mgmt. Bundle	2858	A10, A20	8149
		A11, A21	
Single Mbox Recovery 100pk	2858	A10, A20	8150
		A11, A21	
Single Mbox Recovery 500pk	2858	A10, A20	8151
		A11, A21	
Single Mbox Recovery 1000pk	2858	A10, A20	8152
		A11, A21	
Single Mbox Recovery 2500pk	2858	A10, A20	8153
		A11, A21	
Single Mbox Recovery 5K pk	2858	A10, A20	8154
		A11, A21	
Single Mbox Recovery 10K pk	2858	A10, A20	8155
		A11, A21	
Single Mbox Recovery 50K pk	2858	A10, A20	8156
		A11, A21	
Single Mbox Recovery Med Kt	2858	A10, A20	8157
		A11, A21	
SMBR CA-ARCSERVE Extract Wiz	2858	A10, A20	8158
		A11, A21	
SMBR Tivoli Tape Extract Wiz	2858	A10, A20	8159
		A11, A21	
SMBR Legato Tape Extract Wiz	2858	A10, A20	8160
		A11, A21	
SMBR NetBackup Extract Wiz	2858	A10, A20	8161
		A11, A21	
SMBR PST Tape Extract Wiz	2858	A10, A20	8162
		A11, A21	
SMBR HP Extract Wiz	2858	A10, A20	8163
		A11, A21	
SMBR Commvault Galaxy Ex Wiz	2858	A10, A20	8164
		A11, A21	
SMBR UltraBac Extract Wizard	2858	A10, A20	8165
		A11, A21	
SMBR Agent for Adv Search	2858	A10, A20	8166
		A11, A21	
SMBR Content Analysis Wizard	2858	A10, A20	8167
		A11, A21	
SMBR Administrative Server	2858	A10, A20	8168
		A11, A21	
Open Sys Snapvault Media Kit	2858	A10, A20	8200
		A11, A21	
OSSV Windows for Gateways	2858	A10, A20	8201
		A11, A21	
OSSV Windows for Filers	2858	A10, A20	8202
		A11, A21	
OSSV Linux for Gateways	2858	A10, A20	8203
		A11, A21	
OSSV Linux for Filers	2858	A10, A20	8204
		A11, A21	
OSSV OFM for Gateways	2858	A10, A20	8205
		A11, A21	
OSSV OFM for Filers	2858	A10, A20	8206
		A11, A21	
OSSV UNIX for Gateways	2858	A10, A20	8207
		A11, A21	
OSSV UNIX for Filers	2858	A10, A20	8208
		A11, A21	
OSSV VMware for Gateways	2858	A10, A20	8209

		A11, A21	
OSSV VMware for Filers	2858	A10, A20	8210
		A11, A21	
DFM Server License	2858	A10, A20	8255
		A11, A21	
Op Mgr Store Resource Mgmt	2858	A10, A20	8257
		A11, A21	
Operations Mgr Media Kit	2858	A10, A20	8258
		A11, A21	
Ops Mgr Core tier 1 license	2858	A10, A20	8261
		A11, A21	
Ops Mgr Core tier 2 license	2858	A10, A20	8262
		A11, A21	
Ops Mgr Core tier 3 license	2858	A10, A20	8263
		A11, A21	
Ops Mgr Core tier 4 license	2858	A10, A20	8264
		A11, A21	
Ops Mgr Core tier 5 license	2858	A10, A20	8265
		A11, A21	
Ops Mgr Core tier 6 license	2858	A10, A20	8266
		A11, A21	
Ops Mgr Core tier 7 license	2858	A10, A20	8267
		A11, A21	
Protect Mgr tier 1 license	2858	A10, A20	8268
		A11, A21	
Protect Mgr tier 2 license	2858	A10, A20	8269
		A11, A21	
Protect Mgr tier 3 license	2858	A10, A20	8270
		A11, A21	
Protect Mgr tier 4 license	2858	A10, A20	8271
		A11, A21	
Protect Mgr tier 5 license	2858	A10, A20	8272
		A11, A21	
Protect Mgr tier 6 license	2858	A10, A20	8273
		A11, A21	
Protect Mgr tier 7 license	2858	A10, A20	8274
		A11, A21	
Provisioning Mgr. tier 1	2858	A10, A20	8275
		A11, A21	
Provisioning Mgr. tier 2	2858	A10, A20	8276
		A11, A21	
Provisioning Mgr. tier 3	2858	A10, A20	8277
		A11, A21	
Provisioning Mgr. tier 4	2858	A10, A20	8278
		A11, A21	
Provisioning Mgr. tier 5	2858	A10, A20	8279
		A11, A21	
Provisioning Mgr. tier 6	2858	A10, A20	8280
		A11, A21	
Provisioning Mgr. tier 7	2858	A10, A20	8281
		A11, A21	
Protection Mgr. DR tier 1	2858	A10, A20	8282
		A11, A21	
Protection Mgr. DR tier 2	2858	A10, A20	8283
		A11, A21	
Protection Mgr. DR tier 3	2858	A10, A20	8284
		A11, A21	
Protection Mgr. DR tier 4	2858	A10, A20	8285
		A11, A21	
Protection Mgr. DR tier 5	2858	A10, A20	8286
		A11, A21	
Protection Mgr. DR tier 6	2858	A10, A20	8287
		A11, A21	
Protection Mgr. DR tier 7	2858	A10, A20	8288
		A11, A21	
Power Cords			
PDU Pwr Cord, 42U Rack	2858	A10, A20	9000
		A11, A21	
Power Cord, Cont. Europe	2858	A10, A20	9001
		A11, A21	
Power Cord, United Kingdom	2858	A10, A20	9002
		A11, A21	
Power Cord, Japan	2858	A10, A20	9003

		A11, A21		
Power Cord, North America	2858	A10, A20	9004	
		A11, A21		
Power Cord, Australia/N.Z.	2858	A10, A20	9005	
		A11, A21		
Power Cord, Switzerland	2858	A10, A20	9006	
		A11, A21		
Power Cord, Argentina	2858	A10, A20	9007	
		A11, A21		
Power Cord, China	2858	A10, A20	9008	
		A11, A21		
Power Cord, Denmark	2858	A10, A20	9009	
		A11, A21		
Power Cord, India/S.Africa	2858	A10, A20	9010	
		A11, A21		
Power Cord, Israel	2858	A10, A20	9011	
		A11, A21		
Power Cord, Italy	2858	A10, A20	9012	
		A11, A21		
Power Cord, N.America 250V	2858	A10, A20	9013	
		A11, A21		
Power Cord, Brazil	2858	A10, A20	9014	
		A11, A21		
Power Cord, Taiwan	2858	A10, A20	9015	
		A11, A21		
Power Cord, Taiwan 250V	2858	A10, A20	9016	
		A11, A21		
Installation				
Plant install in 2101 rack	2858	A10, A20	9201	
		A11, A21		
Field install rack mount kit	2858	A10, A20	9202	
		A11, A21		
Uninstalled code authoriztn	2858	A10, A20	9550	
		A11, A21		
Gateway Indicator	2858	A10, A20	9551	
		A11, A21		
MES ordering				
MES Order Indicator	2858	A10, A20	9555	
		A11, A21		
Global Finance transaction				
IGF Transaction Indicator	2858	A10, A20	9556	
		A11, A21		
Port/loop counts				
Num. of FC Target Ports	2858	A10, A20	9557	
		A11, A21		
Num. of FC Storage Loops	2858	A10, A20	9558	
		A11, A21		
Num. of SATA Storage Loops	2858	A10, A20	9559	
		A11, A21		
Dual-path FC Cabling	2858	A20, A21	9560	
		Plant/ Field	MES	Cabl CSU
	Mach/Mod/Feat	install	removal	req. (1)
2-Port Fiber GbE NIC	2858/A10/1012	Both	Y	N Y
2-Port Cu GbE NIC	2858/A10/1013	Both	Y	N Y
4-Gbps FC HBA - Disk, 2-port	2858/A10/1014	Both	Y	N Y
4-Gbps FC HBA - Tape, 2-port	2858/A10/1015	Both	Y	N Y
2-Port 4-Gbps FC HBA-Target	2858/A10/1017	Both	Y	N Y
2-Port iSCSI Target Fi NIC	2858/A10/1021	Both	Y	N Y
4-Port Cu GbE TOE NIC	2858/A10/1022	Both	Y	N Y
4-Port Cu GbE NIC	2858/A10/1023	Both	Y	N Y
2-Port SCSI Ult320 HBA tape	2858/A10/1024	Both	Y	N Y
2-Port iSCSI Target CU NIC	2858/A10/1026	Both	Y	N Y
4-Port 4-Gbps FC HBA - Disk	2858/A10/1029	Both	Y	N Y
2-Port 10GbE TOE NIC	2858/A10/1031	Both	Y	N Y
2-Port MetroCluster VI HBA	2858/A10/1032	Both	Y	N Y

SnapMirror over FC HBA PCIE	2858/A10/1033	Both	Y	N	Y
4-Port 4-Gbps FC HBA Tap/Dsk	2858/A10/1035	Both	Y	N	Y
5m 50-micron MMF Cable	2858/A10/1045	Both	Y	N	Y
30m 50-micron MMF Cable	2858/A10/1046	Both	Y	N	Y
10-GbE Fi cable 30m LC/SC	2858/A10/1047	Both	Y	N	Y
10-GbE Fi cable 5m LC/SC	2858/A10/1048	Both	Y	N	Y
Ext. longwave SFP, 4-Gbps	2858/A10/1050	Both	Y	N	Y
FC cable, 50u, 31m, LC/LC	2858/A10/1051	Both	Y	N	Y
FC cable, 50u, 31m, LC/SC	2858/A10/1052	Both	Y	N	Y
Data ONTAP	2858/A10/6800	Both	N(2)	N	Y
CIFS	2858/A10/6801	Both	N(2)	N	Y
HTTP	2858/A10/6802	Both	N(2)	N	Y
NFS	2858/A10/6803	Both	N(2)	N	Y
CFO for MetroCluster	2858/A10/6804	Both	N(2)	N	Y
FlexClone	2858/A10/6805	Both	N(2)	N	Y
MultiStore	2858/A10/6806	Both	N(2)	N	Y
SnapMirror	2858/A10/6807	Both	N(2)	N	Y
SnapLock Compliance	2858/A10/6808	Both	N(2)	N	Y
SnapLock Enterprise	2858/A10/6809	Both	N(2)	N	Y
SnapRestore	2858/A10/6811	Both	N(2)	N	Y
SnapVault Primary	2858/A10/6812	Both	N(2)	N	Y
SnapVault Secondary	2858/A10/6813	Both	N(2)	N	Y
SyncMirror	2858/A10/6816	Both	N(2)	N	Y
SnapValidator	2858/A10/6818	Both	N(2)	N	Y
Fibre Channel Protocol	2858/A10/6819	Both	N(2)	N	Y
Disk Sanitization	2858/A10/6820	Both	N(2)	N	Y
SnapManager/Exchange - Filer	2858/A10/6821	Both	N(2)	N	Y
SnapManager/SQL - Filer	2858/A10/6822	Both	N(2)	N	Y
MetroCluster	2858/A10/6823	Both	N(2)	N	Y
iSCSI Protocol	2858/A10/6825	Both	N(2)	N	Y
SnapMirror/SnapVault Bundle	2858/A10/6829	Both	N(2)	N	Y
NearStore	2858/A10/6831	Both	N(2)	N	Y
Adv. Single Instance Storage	2858/A10/6832	Both	N(2)	N	Y
SnapManager SAP - Filer	2858/A10/6838	Both	N(2)	N	Y
SnapManager Oracle - Filer	2858/A10/6839	Both	N(2)	N	Y
FlexCache for NFS	2858/A10/6847	Both	N(2)	N	Y
SnapManager VI - Filer	2858/A10/6848	Both	N(2)	N	Y
SnapManager SharePoint-Filer	2858/A10/6849	Both	N(2)	N	Y
Data ONTAP - GW	2858/A10/6900	Both	N(2)	N	Y
CIFS - GW	2858/A10/6901	Both	N(2)	N	Y
HTTP - GW	2858/A10/6902	Both	N(2)	N	Y
NFS - GW	2858/A10/6903	Both	N(2)	N	Y
CFO for MetroCluster - GW	2858/A10/6904	Both	N(2)	N	Y
FlexClone - GW	2858/A10/6905	Both	N(2)	N	Y
MultiStore - GW	2858/A10/6906	Both	N(2)	N	Y
SnapMirror - GW	2858/A10/6907	Both	N(2)	N	Y
SnapLock Enterprise - GW	2858/A10/6909	Both	N(2)	N	Y
SnapMover - GW	2858/A10/6910	Both	N(2)	N	Y
SnapRestore - GW	2858/A10/6911	Both	N(2)	N	Y
SnapVault Primary - GW	2858/A10/6912	Both	N(2)	N	Y
SnapVault Secondary - GW	2858/A10/6913	Both	N(2)	N	Y
SyncMirror - GW	2858/A10/6916	Both	N(2)	N	Y
SnapValidator - GW	2858/A10/6918	Both	N(2)	N	Y
Fibre Channel Protocol - GW	2858/A10/6919	Both	N(2)	N	Y
SnapManager/Exch - Filer-GW	2858/A10/6921	Both	N(2)	N	Y
SnapManager/SQL - Filer-GW	2858/A10/6922	Both	N(2)	N	Y
MetroCluster - GW	2858/A10/6923	Both	N(2)	N	Y
iSCSI Protocol - GW	2858/A10/6925	Both	N(2)	N	Y
SnapMir/SnapVlt Bundle - GW	2858/A10/6929	Both	N(2)	N	Y
NearStore - GW	2858/A10/6931	Both	N(2)	N	Y
SnapManager SAP-Filer - GW	2858/A10/6938	Both	N(2)	N	Y
SnapManager Oracle-Filer-GW	2858/A10/6939	Both	N(2)	N	Y
FlexCache for NFS - GW	2858/A10/6947	Both	N(2)	N	Y
SnapManager VI - Filer - GW	2858/A10/6948	Both	N(2)	N	Y
SnapManager SHPnt-Filer-GW	2858/A10/6949	Both	N(2)	N	Y
SnapDrive - AIX 1-2 Procs	2858/A10/8000	Both	N	N	Y
SnapDrive - AIX 3-4 Procs	2858/A10/8001	Both	N	N	Y
SnapDrive - AIX 5-8 Procs	2858/A10/8002	Both	N	N	Y
SnapDrive - AIX 9+ Procs	2858/A10/8003	Both	N	N	Y
SnapDrive - HPUX 1-2 Procs	2858/A10/8004	Both	N	N	Y
SnapDrive - HPUX 3-4 Procs	2858/A10/8005	Both	N	N	Y
SnapDrive - HPUX 5-8 Procs	2858/A10/8006	Both	N	N	Y
SnapDrive - HPUX 9+ Procs	2858/A10/8007	Both	N	N	Y
SnapDrive - Solaris 1-2 Proc	2858/A10/8008	Both	N	N	Y

SnapDrive - Solaris 3-4 Proc	2858/A10/8009	Both	N	N	Y
SnapDrive - Solaris 5-8 Proc	2858/A10/8010	Both	N	N	Y
SnapDrive - Solaris 9+ Procs	2858/A10/8011	Both	N	N	Y
SnapDrive - Linux 1-2 Procs	2858/A10/8020	Both	N	N	Y
SnapDrive - Linux 3-4 Procs	2858/A10/8021	Both	N	N	Y
SnapDrive - Linux 5-8 Procs	2858/A10/8022	Both	N	N	Y
SnapDrive - Linux 9+ Procs	2858/A10/8023	Both	N	N	Y
SnapDrive for UNIX Media Kit	2858/A10/8040	Both	N	N	Y
SnapDrive for windows	2858/A10/8050	Both	N	N	Y
SnapDrive for Win Media Kit	2858/A10/8051	Both	N	N	Y
ONTAP DSM for windows MPIO	2858/A10/8052	Both	N	N	Y
ONTAP DSM Win MPIO Media Kit	2858/A10/8053	Both	N	N	Y
FCP Host Attach Kit - Win	2858/A10/8100	Both	N	N	Y
Base FCP Host Atch Kit - AIX	2858/A10/8110	Both	N	N	Y
FCP Host Attach Kit - Linux	2858/A10/8120	Both	N	N	Y
FCP Host Attach Kit - HPUX	2858/A10/8121	Both	N	N	Y
FCP Host Atch Kit - Solaris	2858/A10/8122	Both	N	N	Y
FCP Host Utilities - VMWare	2858/A10/8123	Both	N	N	Y
SnapManager/Oracle - WIN	2858/A10/8129	Both	N	N	Y
SnapManager/Exchange - Host	2858/A10/8131	Both	N	N	Y
SnapManager/Exch - Media Kit	2858/A10/8132	Both	N	N	Y
SnapManager/VI - Host	2858/A10/8133	Both	N	N	Y
SnapManager/VI - Media Kit	2858/A10/8134	Both	N	N	Y
SnapManager for SQL - Host	2858/A10/8141	Both	N	N	Y
SnapManager/SQL - Media Kit	2858/A10/8142	Both	N	N	Y
SnapManager for Oracle	2858/A10/8143	Both	N	N	Y
SnapManager/Oracle-Media Kit	2858/A10/8144	Both	N	N	Y
SnapManager for SAP	2858/A10/8145	Both	N	N	Y
SnapManager/SAP-Media Kit	2858/A10/8146	Both	N	N	Y
SnapManager SharePoint-Host	2858/A10/8147	Both	N	N	Y
SnapManger/Sharepnt-Media Kt	2858/A10/8148	Both	N	N	Y
SM SharePoint Mgmt. Bundle	2858/A10/8149	Both	N	N	Y
Single Mbox Recovery 100pk	2858/A10/8150	Both	N	N	Y
Single Mbox Recovery 500pk	2858/A10/8151	Both	N	N	Y
Single Mbox Recovery 1000pk	2858/A10/8152	Both	N	N	Y
Single Mbox Recovery 2500pk	2858/A10/8153	Both	N	N	Y
Single Mbox Recovery 5K pk	2858/A10/8154	Both	N	N	Y
Single Mbox Recovery 10K pk	2858/A10/8155	Both	N	N	Y
Single Mbox Recovery 50K pk	2858/A10/8156	Both	N	N	Y
Single Mbox Recovery Med Kt	2858/A10/8157	Both	N	N	Y
SMBR CA-ARCSERVE Extract Wiz	2858/A10/8158	Both	N	N	Y
SMBR Tivoli Tape Extract Wiz	2858/A10/8159	Both	N	N	Y
SMBR Legato Tape Extract Wiz	2858/A10/8160	Both	N	N	Y
SMBR NetBackup Extract Wiz	2858/A10/8161	Both	N	N	Y
SMBR PST Tape Extract Wiz	2858/A10/8162	Both	N	N	Y
SMBR HP Extract Wiz	2858/A10/8163	Both	N	N	Y
SMBR Commvault Galaxy Ex Wiz	2858/A10/8164	Both	N	N	Y
SMBR UltraBac Extract Wizard	2858/A10/8165	Both	N	N	Y
SMBR Agent for Adv Search	2858/A10/8166	Both	N	N	Y
SMBR Content Analysis Wizard	2858/A10/8167	Both	N	N	Y
SMBR Administrative Server	2858/A10/8168	Both	N	N	Y
Open Sys Snapvault Media Kit	2858/A10/8200	Both	N	N	Y
OSSV Windows for Gateways	2858/A10/8201	Both	N	N	Y
OSSV Windows for Filers	2858/A10/8202	Both	N	N	Y
OSSV Linux for Gateways	2858/A10/8203	Both	N	N	Y
OSSV Linux for Filers	2858/A10/8204	Both	N	N	Y
OSSV OFM for Gateways	2858/A10/8205	Both	N	N	Y
OSSV OFM for Filers	2858/A10/8206	Both	N	N	Y
OSSV UNIX for Gateways	2858/A10/8207	Both	N	N	Y
OSSV UNIX for Filers	2858/A10/8208	Both	N	N	Y
OSSV VMWare for Gateways	2858/A10/8209	Both	N	N	Y
OSSV VMWare for Filers	2858/A10/8210	Both	N	N	Y
DFM Server License	2858/A10/8255	Both	N	N	Y
Op Mgr Store Resource Mgmt	2858/A10/8257	Both	N	N	Y
Operations Mgr Media Kit	2858/A10/8258	Both	N	N	Y
Ops Mgr Core tier 1 license	2858/A10/8261	Both	N	N	Y
Ops Mgr Core tier 2 license	2858/A10/8262	Both	N	N	Y
Ops Mgr Core tier 3 license	2858/A10/8263	Both	N	N	Y
Ops Mgr Core tier 4 license	2858/A10/8264	Both	N	N	Y
Ops Mgr Core tier 5 license	2858/A10/8265	Both	N	N	Y
Ops Mgr Core tier 6 license	2858/A10/8266	Both	N	N	Y
Ops Mgr Core tier 7 license	2858/A10/8267	Both	N	N	Y
Protect Mgr tier 1 license	2858/A10/8268	Both	N	N	Y
Protect Mgr tier 2 license	2858/A10/8269	Both	N	N	Y

Protect Mgr tier 3 license	2858/A10/8270	Both	N	N	Y
Protect Mgr tier 4 license	2858/A10/8271	Both	N	N	Y
Protect Mgr tier 5 license	2858/A10/8272	Both	N	N	Y
Protect Mgr tier 6 license	2858/A10/8273	Both	N	N	Y
Protect Mgr tier 7 license	2858/A10/8274	Both	N	N	Y
Provisioning Mgr. tier 1	2858/A10/8275	Both	N	N	Y
Provisioning Mgr. tier 2	2858/A10/8276	Both	N	N	Y
Provisioning Mgr. tier 3	2858/A10/8277	Both	N	N	Y
Provisioning Mgr. tier 4	2858/A10/8278	Both	N	N	Y
Provisioning Mgr. tier 5	2858/A10/8279	Both	N	N	Y
Provisioning Mgr. tier 6	2858/A10/8280	Both	N	N	Y
Provisioning Mgr. tier 7	2858/A10/8281	Both	N	N	Y
Protection Mgr. DR tier 1	2858/A10/8282	Both	N	N	Y
Protection Mgr. DR tier 2	2858/A10/8283	Both	N	N	Y
Protection Mgr. DR tier 3	2858/A10/8284	Both	N	N	Y
Protection Mgr. DR tier 4	2858/A10/8285	Both	N	N	Y
Protection Mgr. DR tier 5	2858/A10/8286	Both	N	N	Y
Protection Mgr. DR tier 6	2858/A10/8287	Both	N	N	Y
Protection Mgr. DR tier 7	2858/A10/8288	Both	N	N	Y
PDU Pwr Cord, 42U Rack	2858/A10/9000	Plant	N	N	Y
Power Cord, Cont. Europe	2858/A10/9001	Plant	N	N	Y
Power Cord, UK	2858/A10/9002	Plant	N	N	Y
Power Cord, Japan	2858/A10/9003	Plant	N	N	Y
Power Cord, North America	2858/A10/9004	Plant	N	N	Y
Power Cord, Australia/N.Z.	2858/A10/9005	Plant	N	N	Y
Power Cord, Switzerland	2858/A10/9006	Plant	N	N	Y
Power Cord, Argentina	2858/A10/9007	Plant	N	N	Y
Power Cord, China	2858/A10/9008	Plant	N	N	Y
Power Cord, Denmark	2858/A10/9009	Plant	N	N	Y
Power Cord, India/S.Africa	2858/A10/9010	Plant	N	N	Y
Power Cord, Israel	2858/A10/9011	Plant	N	N	Y
Power Cord, Italy	2858/A10/9012	Plant	N	N	Y
Power Cord, N.America 250V	2858/A10/9013	Plant	N	N	Y
Power Cord, Brazil	2858/A10/9014	Plant	N	N	Y
Power Cord, Taiwan	2858/A10/9015	Plant	N	N	Y
Power Cord, Taiwan 250V	2858/A10/9016	Plant	N	N	Y
Plant install in 2101 rack	2858/A10/9201	Plant	N	N	Y
Field install rack mount kit	2858/A10/9202	Plant	N	N	Y
Uninstalled code authoriztn	2858/A10/9550	Plant	N	N	Y
Gateway Indicator	2858/A10/9551	Plant	N	N	Y
MES Order Indicator	2858/A10/9555	Field	N	N	Y
IGF Transaction Indicator	2858/A10/9556	Field	N	N	Y
Num. of FC Target Ports	2858/A10/9557	Plant	N	N	Y
Num. of FC Storage Loops	2858/A10/9558	Plant	N	N	Y
Num. of SATA Storage Loops	2858/A10/9559	Plant	N	N	Y
2-Port Fiber GbE NIC	2858/A11/1012	Both	Y	N	Y
2-Port Cu GbE NIC	2858/A11/1013	Both	Y	N	Y
4-Gbps FC HBA - Disk, 2-port	2858/A11/1014	Both	Y	N	Y
4-Gbps FC HBA - Tape, 2-port	2858/A11/1015	Both	Y	N	Y
2-Port 4-Gbps FC HBA-Target	2858/A11/1017	Both	Y	N	Y
2-Port iSCSI Target Fi NIC	2858/A11/1021	Both	Y	N	Y
4-Port Cu GbE TOE NIC	2858/A11/1022	Both	Y	N	Y
4-Port Cu GbE NIC	2858/A11/1023	Both	Y	N	Y
2-Port SCSI Ult320 HBA tape	2858/A11/1024	Both	Y	N	Y
2-Port iSCSI Target CU NIC	2858/A11/1026	Both	Y	N	Y
4-Port 4-Gbps FC HBA - Disk	2858/A11/1029	Both	Y	N	Y
2-Port 10GbE TOE NIC	2858/A11/1031	Both	Y	N	Y
2-Port MetroCluster VI HBA	2858/A11/1032	Both	Y	N	Y
SnapMirror over FC HBA PCIe	2858/A11/1033	Both	Y	N	Y
4-Port 4-Gbps FC HBA Tap/Dsk	2858/A11/1035	Both	Y	N	Y
5m 50-micron MMF Cable	2858/A11/1045	Both	Y	N	Y
30m 50-micron MMF Cable	2858/A11/1046	Both	Y	N	Y
10-GbE Fi cable 30m LC/SC	2858/A11/1047	Both	Y	N	Y
10-GbE Fi cable 5m LC/SC	2858/A11/1048	Both	Y	N	Y
Ext. longwave SFP, 4-Gbps	2858/A11/1050	Both	Y	N	Y
FC cable, 50u, 31m, LC/LC	2858/A11/1051	Both	Y	N	Y
FC cable, 50u, 31m, LC/SC	2858/A11/1052	Both	Y	N	Y
Data ONTAP	2858/A11/6101	Both	N(2)	N	Y
CIFS	2858/A11/7401	Both	N(2)	N	Y
HTTP	2858/A11/7402	Both	N(2)	N	Y
NFS	2858/A11/7403	Both	N(2)	N	Y
FlexClone	2858/A11/7404	Both	N(2)	N	Y
Multistore	2858/A11/7405	Both	N(2)	N	Y

SnapMirror	2858/A11/7406	Both	N(2)	N	Y
SnapLock Compliance	2858/A11/7407	Both	N(2)	N	Y
SnapLock Enterprise	2858/A11/7408	Both	N(2)	N	Y
SnapRestore	2858/A11/7409	Both	N(2)	N	Y
SnapVault Primary	2858/A11/7410	Both	N(2)	N	Y
Snapvault Secondary	2858/A11/7411	Both	N(2)	N	Y
SyncMirror	2858/A11/7414	Both	N(2)	N	Y
SnapValidator	2858/A11/7416	Both	N(2)	N	Y
Fibre Channel Protocol	2858/A11/7417	Both	N(2)	N	Y
Disk Sanitization	2858/A11/7418	Both	N(2)	N	Y
SnapManager/Exchange - Filer	2858/A11/7419	Both	N(2)	N	Y
SnapManager/SQL - Filer	2858/A11/7420	Both	N(2)	N	Y
CFO for MetroCluster	2858/A11/7421	Both	N(2)	N	Y
iSCSI Protocol	2858/A11/7425	Both	N(2)	N	Y
SnapMirror/SnapVault Bundle	2858/A11/7429	Both	N(2)	N	Y
NearStore	2858/A11/7430	Both	N(2)	N	Y
MetroCluster	2858/A11/7431	Both	N(2)	N	Y
Adv. Single Instance Storage	2858/A11/7432	Both	N(2)	N	Y
SnapManager SAP - Filer	2858/A11/7438	Both	N(2)	N	Y
SnapManager Oracle - Filer	2858/A11/7439	Both	N(2)	N	Y
FlexCache for NFS	2858/A11/7447	Both	N(2)	N	Y
SnapManager VI - Filer	2858/A11/7448	Both	N(2)	N	Y
SnapManager SharePoint-Filer	2858/A11/7449	Both	N(2)	N	Y
Data ONTAP - GW	2858/A11/6301	Both	N(2)	N	Y
CIFS - GW	2858/A11/7501	Both	N(2)	N	Y
HTTP - GW	2858/A11/7502	Both	N(2)	N	Y
NFS - GW	2858/A11/7503	Both	N(2)	N	Y
FlexClone - GW	2858/A11/7504	Both	N(2)	N	Y
MultiStore - GW	2858/A11/7505	Both	N(2)	N	Y
SnapMirror - GW	2858/A11/7506	Both	N(2)	N	Y
SnapLock Enterprise - GW	2858/A11/7507	Both	N(2)	N	Y
SnapMover - GW	2858/A11/7508	Both	N(2)	N	Y
SnapRestore - GW	2858/A11/7509	Both	N(2)	N	Y
SnapVault Primary - GW	2858/A11/7510	Both	N(2)	N	Y
SnapVault Secondary - GW	2858/A11/7511	Both	N(2)	N	Y
SyncMirror - GW	2858/A11/7514	Both	N(2)	N	Y
SnapValidator - GW	2858/A11/7516	Both	N(2)	N	Y
Fibre Channel Protocol - GW	2858/A11/7517	Both	N(2)	N	Y
SnapManager/Exch - Filer-GW	2858/A11/7518	Both	N(2)	N	Y
SnapManager/SQL - Filer-GW	2858/A11/7519	Both	N(2)	N	Y
CFO for MetroCluster - GW	2858/A11/7521	Both	N(2)	N	Y
NearStore - GW	2858/A11/7522	Both	N(2)	N	Y
MetroCluster - GW	2858/A11/7523	Both	N(2)	N	Y
iSCSI Protocol - GW	2858/A11/7525	Both	N(2)	N	Y
SnapMir/SnapVlt Bundle - GW	2858/A11/7529	Both	N(2)	N	Y
SnapManager SAP-Filer - GW	2858/A11/7538	Both	N(2)	N	Y
SnapManager Oracle-Filer-GW	2858/A11/7539	Both	N(2)	N	Y
FlexCache for NFS - GW	2858/A11/7547	Both	N(2)	N	Y
SnapManager VI - Filer - GW	2858/A11/7548	Both	N(2)	N	Y
SnapManager SHPnt-Filer-GW	2858/A11/7549	Both	N(2)	N	Y
SnapDrive - AIX 1-2 Procs	2858/A11/8000	Both	N	N	Y
SnapDrive - AIX 3-4 Procs	2858/A11/8001	Both	N	N	Y
SnapDrive - AIX 5-8 Procs	2858/A11/8002	Both	N	N	Y
SnapDrive - AIX 9+ Procs	2858/A11/8003	Both	N	N	Y
SnapDrive - HPUX 1-2 Procs	2858/A11/8004	Both	N	N	Y
SnapDrive - HPUX 3-4 Procs	2858/A11/8005	Both	N	N	Y
SnapDrive - HPUX 5-8 Procs	2858/A11/8006	Both	N	N	Y
SnapDrive - HPUX 9+ Procs	2858/A11/8007	Both	N	N	Y
SnapDrive - Solaris 1-2 Proc	2858/A11/8008	Both	N	N	Y
SnapDrive - Solaris 3-4 Proc	2858/A11/8009	Both	N	N	Y
SnapDrive - Solaris 5-8 Proc	2858/A11/8010	Both	N	N	Y
SnapDrive - Solaris 9+ Procs	2858/A11/8011	Both	N	N	Y
SnapDrive - Linux 1-2 Procs	2858/A11/8020	Both	N	N	Y
SnapDrive - Linux 3-4 Procs	2858/A11/8021	Both	N	N	Y
SnapDrive - Linux 5-8 Procs	2858/A11/8022	Both	N	N	Y
SnapDrive - Linux 9+ Procs	2858/A11/8023	Both	N	N	Y
SnapDrive for UNIX Media Kit	2858/A11/8040	Both	N	N	Y
SnapDrive for Windows	2858/A11/8050	Both	N	N	Y
SnapDrive for Win Media Kit	2858/A11/8051	Both	N	N	Y
ONTAP DSM for Windows MPIO	2858/A11/8052	Both	N	N	Y
ONTAP DSM Win MPIO Media Kit	2858/A11/8053	Both	N	N	Y
FCP Host Attach Kit - Win	2858/A11/8100	Both	N	N	Y
Base FCP Host Atch Kit - AIX	2858/A11/8110	Both	N	N	Y
FCP Host Attach Kit - Linux	2858/A11/8120	Both	N	N	Y

FCP Host Attach Kit - HPUX	2858/A11/8121	Both	N	N	Y
FCP Host Atch Kit - Solaris	2858/A11/8122	Both	N	N	Y
FCP Host Utilities - VMware	2858/A11/8123	Both	N	N	Y
SnapManager/Oracle - WIN	2858/A11/8129	Both	N	N	Y
SnapManager/Exchange - Host	2858/A11/8131	Both	N	N	Y
SnapManager/Exch - Media Kit	2858/A11/8132	Both	N	N	Y
SnapManager/VI - Host	2858/A11/8133	Both	N	N	Y
SnapManager/VI - Media Kit	2858/A11/8134	Both	N	N	Y
SnapManager for SQL - Host	2858/A11/8141	Both	N	N	Y
SnapManager/SQL - Media Kit	2858/A11/8142	Both	N	N	Y
SnapManager for Oracle	2858/A11/8143	Both	N	N	Y
SnapManager/Oracle-Media Kit	2858/A11/8144	Both	N	N	Y
SnapManager for SAP	2858/A11/8145	Both	N	N	Y
SnapManager/SAP-Media Kit	2858/A11/8146	Both	N	N	Y
SnapManager SharePoint-Host	2858/A11/8147	Both	N	N	Y
SnapManger/Sharepnt-Media Kt	2858/A11/8148	Both	N	N	Y
SM SharePoint Mgmt. Bundle	2858/A11/8149	Both	N	N	Y
Single Mbox Recovery 100pk	2858/A11/8150	Both	N	N	Y
Single Mbox Recovery 500pk	2858/A11/8151	Both	N	N	Y
Single Mbox Recovery 1000pk	2858/A11/8152	Both	N	N	Y
Single Mbox Recovery 2500pk	2858/A11/8153	Both	N	N	Y
Single Mbox Recovery 5K pk	2858/A11/8154	Both	N	N	Y
Single Mbox Recovery 10K pk	2858/A11/8155	Both	N	N	Y
Single Mbox Recovery 50K pk	2858/A11/8156	Both	N	N	Y
Single Mbox Recovery Med kt	2858/A11/8157	Both	N	N	Y
SMBR CA-ARCSERVE Extract Wiz	2858/A11/8158	Both	N	N	Y
SMBR Tivoli Tape Extract Wiz	2858/A11/8159	Both	N	N	Y
SMBR Legato Tape Extract Wiz	2858/A11/8160	Both	N	N	Y
SMBR NetBackup Extract Wiz	2858/A11/8161	Both	N	N	Y
SMBR PST Tape Extract Wiz	2858/A11/8162	Both	N	N	Y
SMBR HP Extract Wiz	2858/A11/8163	Both	N	N	Y
SMBR Commvault Galaxy Ex Wiz	2858/A11/8164	Both	N	N	Y
SMBR UltraBac Extract Wizard	2858/A11/8165	Both	N	N	Y
SMBR Agent for Adv Search	2858/A11/8166	Both	N	N	Y
SMBR Content Analysis Wizard	2858/A11/8167	Both	N	N	Y
SMBR Administrative Server	2858/A11/8168	Both	N	N	Y
Open Sys Snapvault Media Kit	2858/A11/8200	Both	N	N	Y
OSSV Windows for Gateways	2858/A11/8201	Both	N	N	Y
OSSV Windows for Filers	2858/A11/8202	Both	N	N	Y
OSSV Linux for Gateways	2858/A11/8203	Both	N	N	Y
OSSV Linux for Filers	2858/A11/8204	Both	N	N	Y
OSSV OFM for Gateways	2858/A11/8205	Both	N	N	Y
OSSV OFM for Filers	2858/A11/8206	Both	N	N	Y
OSSV UNIX for Gateways	2858/A11/8207	Both	N	N	Y
OSSV UNIX for Filers	2858/A11/8208	Both	N	N	Y
OSSV VMware for Gateways	2858/A11/8209	Both	N	N	Y
OSSV VMware for Filers	2858/A11/8210	Both	N	N	Y
DFM Server License	2858/A11/8255	Both	N	N	Y
Op Mgr Store Resource Mgmt	2858/A11/8257	Both	N	N	Y
Operations Mgr Media Kit	2858/A11/8258	Both	N	N	Y
Ops Mgr Core tier 1 license	2858/A11/8261	Both	N	N	Y
Ops Mgr Core tier 2 license	2858/A11/8262	Both	N	N	Y
Ops Mgr Core tier 3 license	2858/A11/8263	Both	N	N	Y
Ops Mgr Core tier 4 license	2858/A11/8264	Both	N	N	Y
Ops Mgr Core tier 5 license	2858/A11/8265	Both	N	N	Y
Ops Mgr Core tier 6 license	2858/A11/8266	Both	N	N	Y
Ops Mgr Core tier 7 license	2858/A11/8267	Both	N	N	Y
Protect Mgr tier 1 license	2858/A11/8268	Both	N	N	Y
Protect Mgr tier 2 license	2858/A11/8269	Both	N	N	Y
Protect Mgr tier 3 license	2858/A11/8270	Both	N	N	Y
Protect Mgr tier 4 license	2858/A11/8271	Both	N	N	Y
Protect Mgr tier 5 license	2858/A11/8272	Both	N	N	Y
Protect Mgr tier 6 license	2858/A11/8273	Both	N	N	Y
Protect Mgr tier 7 license	2858/A11/8274	Both	N	N	Y
Provisioning Mgr. tier 1	2858/A11/8275	Both	N	N	Y
Provisioning Mgr. tier 2	2858/A11/8276	Both	N	N	Y
Provisioning Mgr. tier 3	2858/A11/8277	Both	N	N	Y
Provisioning Mgr. tier 4	2858/A11/8278	Both	N	N	Y
Provisioning Mgr. tier 5	2858/A11/8279	Both	N	N	Y
Provisioning Mgr. tier 6	2858/A11/8280	Both	N	N	Y
Provisioning Mgr. tier 7	2858/A11/8281	Both	N	N	Y
Protection Mgr. DR tier 1	2858/A11/8282	Both	N	N	Y
Protection Mgr. DR tier 2	2858/A11/8283	Both	N	N	Y
Protection Mgr. DR tier 3	2858/A11/8284	Both	N	N	Y

Protection Mgr. DR tier 4	2858/A11/8285	Both	N	N	Y
Protection Mgr. DR tier 5	2858/A11/8286	Both	N	N	Y
Protection Mgr. DR tier 6	2858/A11/8287	Both	N	N	Y
Protection Mgr. DR tier 7	2858/A11/8288	Both	N	N	Y
PDU Pwr Cord, 42U Rack	2858/A11/9000	Plant	N	N	Y
Power Cord, Cont. Europe	2858/A11/9001	Plant	N	N	Y
Power Cord, UK	2858/A11/9002	Plant	N	N	Y
Power Cord, Japan	2858/A11/9003	Plant	N	N	Y
Power Cord, North America	2858/A11/9004	Plant	N	N	Y
Power Cord, Australia/N.Z.	2858/A11/9005	Plant	N	N	Y
Power Cord, Switzerland	2858/A11/9006	Plant	N	N	Y
Power Cord, Argentina	2858/A11/9007	Plant	N	N	Y
Power Cord, China	2858/A11/9008	Plant	N	N	Y
Power Cord, Denmark	2858/A11/9009	Plant	N	N	Y
Power Cord, India/S.Africa	2858/A11/9010	Plant	N	N	Y
Power Cord, Israel	2858/A11/9011	Plant	N	N	Y
Power Cord, Italy	2858/A11/9012	Plant	N	N	Y
Power Cord, N.America 250V	2858/A11/9013	Plant	N	N	Y
Power Cord, Brazil	2858/A11/9014	Plant	N	N	Y
Power Cord, Taiwan	2858/A11/9015	Plant	N	N	Y
Power Cord, Taiwan 250V	2858/A11/9016	Plant	N	N	Y
Plant install in 2101 rack	2858/A11/9201	Plant	N	N	Y
Field install rack mount kit	2858/A11/9202	Plant	N	N	Y
Uninstalled code authoriztn	2858/A11/9550	Plant	N	N	Y
Gateway Indicator	2858/A11/9551	Plant	N	N	Y
MES Order Indicator	2858/A11/9555	Field	N	N	Y
IGF Transaction Indicator	2858/A11/9556	Field	N	N	Y
Num. of FC Target Ports	2858/A11/9557	Plant	N	N	Y
Num. of FC Storage Loops	2858/A11/9558	Plant	N	N	Y
Num. of SATA Storage Loops	2858/A11/9559	Plant	N	N	Y
2-Port Fiber GbE NIC	2858/A20/1012	Both	Y	N	Y
2-Port Cu GbE NIC	2858/A20/1013	Both	Y	N	Y
4-Gbps FC HBA - Disk, 2-port	2858/A20/1014	Both	Y	N	Y
4-Gbps FC HBA - Tape, 2-port	2858/A20/1015	Both	Y	N	Y
2-Port 4-Gbps FC HBA-Target	2858/A20/1017	Both	Y	N	Y
2-Port iSCSI Target Fi NIC	2858/A20/1021	Both	Y	N	Y
4-Port Cu GbE TOE NIC	2858/A20/1022	Both	Y	N	Y
4-Port Cu GbE NIC	2858/A20/1023	Both	Y	N	Y
2-Port SCSI Ult320 HBA tape	2858/A20/1024	Both	Y	N	Y
2-Port iSCSI Target CU NIC	2858/A20/1026	Both	Y	N	Y
4-Port 4-Gbps FC HBA - Disk	2858/A20/1029	Both	Y	N	Y
2-Port 10GbE TOE NIC	2858/A20/1031	Both	Y	N	Y
SnapMirror over FC HBA PCIe	2858/A20/1033	Both	Y	N	Y
4-Port 4-Gbps FC HBA Tap/Dsk	2858/A20/1035	Both	Y	N	Y
5m 50-micron MMF Cable	2858/A20/1045	Both	Y	N	Y
30m 50-micron MMF Cable	2858/A20/1046	Both	Y	N	Y
10-GbE Fi cable 30m LC/SC	2858/A20/1047	Both	Y	N	Y
10-GbE Fi cable 5m LC/SC	2858/A20/1048	Both	Y	N	Y
Ext. longwave SFP, 4-Gbps	2858/A20/1050	Both	Y	N	Y
FC cable, 50u, 31m, LC/LC	2858/A20/1051	Both	Y	N	Y
FC cable, 50u, 31m, LC/SC	2858/A20/1052	Both	Y	N	Y
Data ONTAP	2858/A20/6850	Both(3)	N	N	Y
CIFS	2858/A20/7451	Both	N	N	Y
HTTP	2858/A20/7452	Both	N	N	Y
NFS	2858/A20/7453	Both	N	N	Y
CFO	2858/A20/7454	Both(3)	N	N	Y
FlexClone	2858/A20/7455	Both	N	N	Y
Multistore	2858/A20/7456	Both	N	N	Y
SnapMirror	2858/A20/7457	Both	N	N	Y
SnapLock Compliance	2858/A20/7458	Both	N	N	Y
SnapLock Enterprise	2858/A20/7459	Both	N	N	Y
SnapMover	2858/A20/7460	Both	N	N	Y
SnapRestore	2858/A20/7461	Both	N	N	Y
SnapVault Primary	2858/A20/7462	Both	N	N	Y
Snapvault Secondary	2858/A20/7463	Both	N	N	Y
SyncMirror	2858/A20/7466	Both	N	N	Y
Snapvalidator	2858/A20/7468	Both	N	N	Y
Fibre Channel Protocol	2858/A20/7469	Both	N	N	Y
Disk Sanitization	2858/A20/7470	Both	N	N	Y
SnapManager/Exchange - Filer	2858/A20/7471	Both	N	N	Y
SnapManager/SQL - Filer	2858/A20/7472	Both	N	N	Y
SAN Bundle	2858/A20/7474	Both	N	N	Y
iSCSI Protocol	2858/A20/7475	Both	N	N	Y

SnapMirror/SnapVault Bundle	2858/A20/7479	Both	N	N	Y
NearStore	2858/A20/7481	Both	N	N	Y
Adv. Single Instance Storage	2858/A20/7482	Both	N	N	Y
SnapManager SAP - Filer	2858/A20/7488	Both	N	N	Y
SnapManager Oracle - Filer	2858/A20/7489	Both	N	N	Y
FlexCache for NFS	2858/A20/7497	Both	N	N	Y
SnapManager VI - Filer	2858/A20/7498	Both	N	N	Y
SnapManager SharePoint-Filer	2858/A20/7499	Both	N	N	Y
Data ONTAP - GW	2858/A20/6950	Both(3)	N	N	Y
CIFS - GW	2858/A20/7551	Both	N	N	Y
HTTP - GW	2858/A20/7552	Both	N	N	Y
NFS - GW	2858/A20/7553	Both	N	N	Y
CFO - GW	2858/A20/7554	Both(3)	N	N	Y
FlexClone - GW	2858/A20/7555	Both	N	N	Y
MultiStore - GW	2858/A20/7556	Both	N	N	Y
SnapMirror - GW	2858/A20/7557	Both	N	N	Y
SnapLock Enterprise - GW	2858/A20/7559	Both	N	N	Y
SnapMover - GW	2858/A20/7560	Both	N	N	Y
SnapRestore - GW	2858/A20/7561	Both	N	N	Y
SnapVault Primary - GW	2858/A20/7562	Both	N	N	Y
Snapvault Secondary - GW	2858/A20/7563	Both	N	N	Y
SyncMirror - GW	2858/A20/7566	Both	N	N	Y
SnapValidator - GW	2858/A20/7568	Both	N	N	Y
Fibre Channel Protocol - GW	2858/A20/7569	Both	N	N	Y
SnapManager/Exch - Filer-GW	2858/A20/7570	Both	N	N	Y
SnapManager/SQL - Filer-GW	2858/A20/7571	Both	N	N	Y
NearStore - GW	2858/A20/7572	Both	N	N	Y
iSCSI Protocol - GW	2858/A20/7575	Both	N	N	Y
SnapMir/SnapVlt Bundle - GW	2858/A20/7579	Both	N	N	Y
SnapManager SAP-Filer - GW	2858/A20/7588	Both	N	N	Y
SnapManager Oracle-Filer-GW	2858/A20/7589	Both	N	N	Y
FlexCache for NFS - GW	2858/A20/7597	Both	N	N	Y
SnapManager VI - Filer - GW	2858/A20/7598	Both	N	N	Y
SnapManager ShPnt-Filer-GW	2858/A20/7599	Both	N	N	Y
SnapDrive - AIX 1-2 Procs	2858/A20/8000	Both	N	N	Y
SnapDrive - AIX 3-4 Procs	2858/A20/8001	Both	N	N	Y
SnapDrive - AIX 5-8 Procs	2858/A20/8002	Both	N	N	Y
SnapDrive - AIX 9+ Procs	2858/A20/8003	Both	N	N	Y
SnapDrive - HPUX 1-2 Procs	2858/A20/8004	Both	N	N	Y
SnapDrive - HPUX 3-4 Procs	2858/A20/8005	Both	N	N	Y
SnapDrive - HPUX 5-8 Procs	2858/A20/8006	Both	N	N	Y
SnapDrive - HPUX 9+ Procs	2858/A20/8007	Both	N	N	Y
SnapDrive - Solaris 1-2 Proc	2858/A20/8008	Both	N	N	Y
SnapDrive - Solaris 3-4 Proc	2858/A20/8009	Both	N	N	Y
SnapDrive - Solaris 5-8 Proc	2858/A20/8010	Both	N	N	Y
SnapDrive - Solaris 9+ Procs	2858/A20/8011	Both	N	N	Y
SnapDrive - Linux 1-2 Procs	2858/A20/8020	Both	N	N	Y
SnapDrive - Linux 3-4 Procs	2858/A20/8021	Both	N	N	Y
SnapDrive - Linux 5-8 Procs	2858/A20/8022	Both	N	N	Y
SnapDrive - Linux 9+ Procs	2858/A20/8023	Both	N	N	Y
SnapDrive for UNIX Media Kit	2858/A20/8040	Both	N	N	Y
SnapDrive for windows	2858/A20/8050	Both	N	N	Y
SnapDrive for Win Media Kit	2858/A20/8051	Both	N	N	Y
ONTAP DSM for windows MPIO	2858/A20/8052	Both	N	N	Y
ONTAP DSM Win MPIO Media Kit	2858/A20/8053	Both	N	N	Y
FCP Host Attach Kit - Win	2858/A20/8100	Both	N	N	Y
Base FCP Host Atch Kit - AIX	2858/A20/8110	Both	N	N	Y
FCP Host Attach Kit - Linux	2858/A20/8120	Both	N	N	Y
FCP Host Attach Kit - HPUX	2858/A20/8121	Both	N	N	Y
FCP Host Atch Kit - Solaris	2858/A20/8122	Both	N	N	Y
FCP Host Utilities - VMware	2858/A20/8123	Both	N	N	Y
SnapManager/Oracle - WIN	2858/A20/8129	Both	N	N	Y
SnapManager/Exchange - Host	2858/A20/8131	Both	N	N	Y
SnapManager/Exch - Media Kit	2858/A20/8132	Both	N	N	Y
SnapManager/VI - Host	2858/A20/8133	Both	N	N	Y
SnapManager/VI - Media Kit	2858/A20/8134	Both	N	N	Y
SnapManager for SQL - Host	2858/A20/8141	Both	N	N	Y
SnapManager/SQL - Media Kit	2858/A20/8142	Both	N	N	Y
SnapManager for Oracle	2858/A20/8143	Both	N	N	Y
SnapManager/Oracle-Media Kit	2858/A20/8144	Both	N	N	Y
SnapManager for SAP	2858/A20/8145	Both	N	N	Y
SnapManager/SAP-Media Kit	2858/A20/8146	Both	N	N	Y
SnapManager SharePoint-Host	2858/A20/8147	Both	N	N	Y
SnapManger/Sharepnt-Media Kt	2858/A20/8148	Both	N	N	Y

SM SharePoint Mgmt. Bundle	2858/A20/8149	Both	N	N	Y
Single Mbox Recovery 100pk	2858/A20/8150	Both	N	N	Y
Single Mbox Recovery 500pk	2858/A20/8151	Both	N	N	Y
Single Mbox Recovery 1000pk	2858/A20/8152	Both	N	N	Y
Single Mbox Recovery 2500pk	2858/A20/8153	Both	N	N	Y
Single Mbox Recovery 5K pk	2858/A20/8154	Both	N	N	Y
Single Mbox Recovery 10K pk	2858/A20/8155	Both	N	N	Y
Single Mbox Recovery 50K pk	2858/A20/8156	Both	N	N	Y
Single Mbox Recovery Med kt	2858/A20/8157	Both	N	N	Y
SMBR CA-ARCSERVE Extract wiz	2858/A20/8158	Both	N	N	Y
SMBR Tivoli Tape Extract Wiz	2858/A20/8159	Both	N	N	Y
SMBR Legato Tape Extract wiz	2858/A20/8160	Both	N	N	Y
SMBR NetBackup Extract wiz	2858/A20/8161	Both	N	N	Y
SMBR PST Tape Extract Wiz	2858/A20/8162	Both	N	N	Y
SMBR HP Extract Wiz	2858/A20/8163	Both	N	N	Y
SMBR Commvault Galaxy Ex Wiz	2858/A20/8164	Both	N	N	Y
SMBR UltraBac Extract Wizard	2858/A20/8165	Both	N	N	Y
SMBR Agent for Adv Search	2858/A20/8166	Both	N	N	Y
SMBR Content Analysis Wizard	2858/A20/8167	Both	N	N	Y
SMBR Administrative Server	2858/A20/8168	Both	N	N	Y
Open Sys SnapVault Media Kit	2858/A20/8200	Both	N	N	Y
OSSV Windows for Gateways	2858/A20/8201	Both	N	N	Y
OSSV Windows for Filers	2858/A20/8202	Both	N	N	Y
OSSV Linux for Gateways	2858/A20/8203	Both	N	N	Y
OSSV Linux for Filers	2858/A20/8204	Both	N	N	Y
OSSV OFM for Gateways	2858/A20/8205	Both	N	N	Y
OSSV OFM for Filers	2858/A20/8206	Both	N	N	Y
OSSV UNIX for Gateways	2858/A20/8207	Both	N	N	Y
OSSV UNIX for Filers	2858/A20/8208	Both	N	N	Y
OSSV VMware for Gateways	2858/A20/8209	Both	N	N	Y
OSSV VMware for Filers	2858/A20/8210	Both	N	N	Y
DFM Server License	2858/A20/8255	Both	N	N	Y
Op Mgr Store Resource Mgmt	2858/A20/8257	Both	N	N	Y
Operations Mgr Media Kit	2858/A20/8258	Both	N	N	Y
Ops Mgr Core tier 1 license	2858/A20/8261	Both	N	N	Y
Ops Mgr Core tier 2 license	2858/A20/8262	Both	N	N	Y
Ops Mgr Core tier 3 license	2858/A20/8263	Both	N	N	Y
Ops Mgr Core tier 4 license	2858/A20/8264	Both	N	N	Y
Ops Mgr Core tier 5 license	2858/A20/8265	Both	N	N	Y
Ops Mgr Core tier 6 license	2858/A20/8266	Both	N	N	Y
Ops Mgr Core tier 7 license	2858/A20/8267	Both	N	N	Y
Protect Mgr tier 1 license	2858/A20/8268	Both	N	N	Y
Protect Mgr tier 2 license	2858/A20/8269	Both	N	N	Y
Protect Mgr tier 3 license	2858/A20/8270	Both	N	N	Y
Protect Mgr tier 4 license	2858/A20/8271	Both	N	N	Y
Protect Mgr tier 5 license	2858/A20/8272	Both	N	N	Y
Protect Mgr tier 6 license	2858/A20/8273	Both	N	N	Y
Protect Mgr tier 7 license	2858/A20/8274	Both	N	N	Y
Provisioning Mgr. tier 1	2858/A20/8275	Both	N	N	Y
Provisioning Mgr. tier 2	2858/A20/8276	Both	N	N	Y
Provisioning Mgr. tier 3	2858/A20/8277	Both	N	N	Y
Provisioning Mgr. tier 4	2858/A20/8278	Both	N	N	Y
Provisioning Mgr. tier 5	2858/A20/8279	Both	N	N	Y
Provisioning Mgr. tier 6	2858/A20/8280	Both	N	N	Y
Provisioning Mgr. tier 7	2858/A20/8281	Both	N	N	Y
Protection Mgr. DR tier 1	2858/A20/8282	Both	N	N	Y
Protection Mgr. DR tier 2	2858/A20/8283	Both	N	N	Y
Protection Mgr. DR tier 3	2858/A20/8284	Both	N	N	Y
Protection Mgr. DR tier 4	2858/A20/8285	Both	N	N	Y
Protection Mgr. DR tier 5	2858/A20/8286	Both	N	N	Y
Protection Mgr. DR tier 6	2858/A20/8287	Both	N	N	Y
Protection Mgr. DR tier 7	2858/A20/8288	Both	N	N	Y
PDU Pwr Cord, 42U Rack	2858/A20/9000	Plant	N	N	Y
Power Cord, Cont. Europe	2858/A20/9001	Plant	N	N	Y
Power Cord, UK	2858/A20/9002	Plant	N	N	Y
Power Cord, Japan	2858/A20/9003	Plant	N	N	Y
Power Cord, North America	2858/A20/9004	Plant	N	N	Y
Power Cord, Australia/N.Z.	2858/A20/9005	Plant	N	N	Y
Power Cord, Switzerland	2858/A20/9006	Plant	N	N	Y
Power Cord, Argentina	2858/A20/9007	Plant	N	N	Y
Power Cord, China	2858/A20/9008	Plant	N	N	Y
Power Cord, Denmark	2858/A20/9009	Plant	N	N	Y
Power Cord, India/S.Africa	2858/A20/9010	Plant	N	N	Y
Power Cord, Israel	2858/A20/9011	Plant	N	N	Y

Power Cord, Italy	2858/A20/9012	Plant	N	N	Y
Power Cord, N.America 250V	2858/A20/9013	Plant	N	N	Y
Power Cord, Brazil	2858/A20/9014	Plant	N	N	Y
Power Cord, Taiwan	2858/A20/9015	Plant	N	N	Y
Power Cord, Taiwan 250V	2858/A20/9016	Plant	N	N	Y
Plant install in 2101 rack	2858/A20/9201	Plant	N	N	Y
Field install rack mount kit	2858/A20/9202	Plant	N	N	Y
Uninstalled code authoriztn	2858/A20/9550	Plant	N	N	Y
Gateway Indicator	2858/A20/9551	Plant	N	N	Y
MES Order Indicator	2858/A20/9555	Field	N	N	Y
IGF Transaction Indicator	2858/A20/9556	Field	N	N	Y
Num. of FC Target Ports	2858/A20/9557	Plant	N	N	Y
Num. of FC Storage Loops	2858/A20/9558	Plant	N	N	Y
Num. of SATA Storage Loops	2858/A20/9559	Plant	N	N	Y
Dual-path FC Cabling	2858/A20/9560	Plant	N	N	Y
2-Port Fiber GbE NIC	2858/A21/1012	Both	Y	N	Y
2-Port Cu GbE NIC	2858/A21/1013	Both	Y	N	Y
4-Gbps FC HBA - Disk, 2-port	2858/A21/1014	Both	Y	N	Y
4-Gbps FC HBA - Tape, 2-port	2858/A21/1015	Both	Y	N	Y
2-Port 4-Gbps FC HBA-Target	2858/A21/1017	Both	Y	N	Y
2-Port iSCSI Target Fi NIC	2858/A21/1021	Both	Y	N	Y
4-Port Cu GbE TOE NIC	2858/A21/1022	Both	Y	N	Y
4-Port Cu GbE NIC	2858/A21/1023	Both	Y	N	Y
2-Port SCSI Ult320 HBA tape	2858/A21/1024	Both	Y	N	Y
2-Port iSCSI Target CU NIC	2858/A21/1026	Both	Y	N	Y
4-Port 4-Gbps FC HBA - Disk	2858/A21/1029	Both	Y	N	Y
2-Port 10GbE TOE NIC	2858/A21/1031	Both	Y	N	Y
SnapMirror over FC HBA PCIe	2858/A21/1033	Both	Y	N	Y
4-Port 4-Gbps FC HBA Tap/Dsk	2858/A21/1035	Both	Y	N	Y
5m 50-micron MMF Cable	2858/A21/1045	Both	Y	N	Y
30m 50-micron MMF Cable	2858/A21/1046	Both	Y	N	Y
10-GbE Fi cable 30m LC/SC	2858/A21/1047	Both	Y	N	Y
10-GbE Fi cable 5m LC/SC	2858/A21/1048	Both	Y	N	Y
Ext. longwave SFP, 4-Gbps	2858/A21/1050	Both	Y	N	Y
FC cable, 50u, 31m, LC/LC	2858/A21/1051	Both	Y	N	Y
FC cable, 50u, 31m, LC/SC	2858/A21/1052	Both	Y	N	Y
Data ONTAP	2858/A21/6201	Both(3)	Y	N	Y
CIFS	2858/A21/6051	Both	Y	N	Y
HTTP	2858/A21/6052	Both	Y	N	Y
NFS	2858/A21/6053	Both	Y	N	Y
CFO	2858/A21/6054	Both(3)	Y	N	Y
FlexClone	2858/A21/6055	Both	Y	N	Y
Multistore	2858/A21/6056	Both	Y	N	Y
SnapMirror	2858/A21/6057	Both	Y	N	Y
SnapLock Compliance	2858/A21/6058	Both	Y	N	Y
SnapLock Enterprise	2858/A21/6059	Both	Y	N	Y
SnapMover	2858/A21/6060	Both	Y	N	Y
SnapRestore	2858/A21/6061	Both	Y	N	Y
SnapVault Primary	2858/A21/6062	Both	Y	N	Y
Snapvault Secondary	2858/A21/6063	Both	Y	N	Y
SyncMirror	2858/A21/6066	Both	Y	N	Y
SnapValidator	2858/A21/6067	Both	Y	N	Y
Fibre Channel Protocol	2858/A21/6068	Both	Y	N	Y
Disk Sanitization	2858/A21/6069	Both	Y	N	Y
SnapManager/Exchange - Filer	2858/A21/6070	Both	Y	N	Y
SnapManager/SQL - Filer	2858/A21/6071	Both	Y	N	Y
NearStore	2858/A21/6072	Both	Y	N	Y
SAN Bundle	2858/A21/6074	Both	Y	N	Y
iSCSI Protocol	2858/A21/6075	Both	Y	N	Y
MS Exchange Bundle, 5K usrs	2858/A21/6078	Both	Y	N	Y
SnapMirror/SnapVault Bundle	2858/A21/6079	Both	Y	N	Y
FlexCache for NFS	2858/A21/6080	Both	Y	N	Y
Adv. Single Instance Storage	2858/A21/6082	Both	Y	N	Y
SnapManager SAP - Filer	2858/A21/6088	Both	Y	N	Y
SnapManager Oracle - Filer	2858/A21/6089	Both	Y	N	Y
SnapManager VI - Filer	2858/A21/6098	Both	Y	N	Y
SnapManager SharePoint-Filer	2858/A21/6099	Both	Y	N	Y
Data ONTAP - GW	2858/A21/6401	Both	N	N	Y
CIFS - GW	2858/A21/6151	Both	Y	N	Y
HTTP - GW	2858/A21/6152	Both	Y	N	Y
NFS - GW	2858/A21/6153	Both	Y	N	Y
CFO - GW	2858/A21/6154	Both(3)	Y	N	Y
FlexClone - GW	2858/A21/6155	Both	Y	N	Y

Multistore - GW	2858/A21/6156	Both	Y	N	Y
SnapMirror - GW	2858/A21/6157	Both	Y	N	Y
SnapLock Enterprise - GW	2858/A21/6159	Both	Y	N	Y
SnapMover - GW	2858/A21/6160	Both	N	N	Y
SnapRestore - GW	2858/A21/6161	Both	Y	N	Y
SnapVault Primary - GW	2858/A21/6162	Both	Y	N	Y
SnapVault Secondary - GW	2858/A21/6163	Both	Y	N	Y
SyncMirror - GW	2858/A21/6166	Both	N	N	Y
SnapValidator - GW	2858/A21/6167	Both	Y	N	Y
Fibre Channel Protocol - GW	2858/A21/6168	Both	Y	N	Y
SnapManager/Exch - Filer-GW	2858/A21/6170	Both	Y	N	Y
SnapManager/SQL - Filer-GW	2858/A21/6171	Both	Y	N	Y
NearStore - GW	2858/A21/6172	Both	N	N	Y
iSCSI Protocol - GW	2858/A21/6175	Both	N	N	Y
SnapMir/SnapVlt Bundle - GW	2858/A21/6179	Both	Y	N	Y
FlexCache for NFS - GW	2858/A21/6180	Both	N	N	Y
SnapManager SAP-Filer - GW	2858/A21/6188	Both	Y	N	Y
SnapManager Oracle-Filer-GW	2858/A21/6189	Both	Y	N	Y
SnapManager VI - Filer - GW	2858/A21/6198	Both	Y	N	Y
SnapManager SHPnt-Filer-GW	2858/A21/6199	Both	Y	N	Y
SnapDrive - AIX 1-2 Procs	2858/A21/8000	Both	N	N	Y
SnapDrive - AIX 3-4 Procs	2858/A21/8001	Both	N	N	Y
SnapDrive - AIX 5-8 Procs	2858/A21/8002	Both	N	N	Y
SnapDrive - AIX 9+ Procs	2858/A21/8003	Both	N	N	Y
SnapDrive - HPUX 1-2 Procs	2858/A21/8004	Both	N	N	Y
SnapDrive - HPUX 3-4 Procs	2858/A21/8005	Both	N	N	Y
SnapDrive - HPUX 5-8 Procs	2858/A21/8006	Both	N	N	Y
SnapDrive - HPUX 9+ Procs	2858/A21/8007	Both	N	N	Y
SnapDrive - Solaris 1-2 Proc	2858/A21/8008	Both	N	N	Y
SnapDrive - Solaris 3-4 Proc	2858/A21/8009	Both	N	N	Y
SnapDrive - Solaris 5-8 Proc	2858/A21/8010	Both	N	N	Y
SnapDrive - Solaris 9+ Procs	2858/A21/8011	Both	N	N	Y
SnapDrive - Linux 1-2 Procs	2858/A21/8020	Both	N	N	Y
SnapDrive - Linux 3-4 Procs	2858/A21/8021	Both	N	N	Y
SnapDrive - Linux 5-8 Procs	2858/A21/8022	Both	N	N	Y
SnapDrive - Linux 9+ Procs	2858/A21/8023	Both	N	N	Y
SnapDrive for UNIX Media Kit	2858/A21/8040	Both	N	N	Y
SnapDrive for Windows	2858/A21/8050	Both	N	N	Y
SnapDrive for Win Media Kit	2858/A21/8051	Both	N	N	Y
ONTAP DSM for Windows MPIO	2858/A21/8052	Both	N	N	Y
ONTAP DSM Win MPIO Media Kit	2858/A21/8053	Both	N	N	Y
FCP Host Attach Kit - Win	2858/A21/8100	Both	N	N	Y
Base FCP Host Atch Kit - AIX	2858/A21/8110	Both	N	N	Y
FCP Host Attach Kit - Linux	2858/A21/8120	Both	N	N	Y
FCP Host Attach Kit - HPUX	2858/A21/8121	Both	N	N	Y
FCP Host Atch Kit - Solaris	2858/A21/8122	Both	N	N	Y
FCP Host Utilities - VMware	2858/A21/8123	Both	N	N	Y
SnapManager/Oracle - WIN	2858/A21/8129	Both	N	N	Y
SnapManager/Exchange - Host	2858/A21/8131	Both	N	N	Y
SnapManager/Exch - Media Kit	2858/A21/8132	Both	N	N	Y
SnapManager/VI - Host	2858/A21/8133	Both	N	N	Y
SnapManager/VI - Media Kit	2858/A21/8134	Both	N	N	Y
SnapManager for SQL - Host	2858/A21/8141	Both	N	N	Y
SnapManager/SQL - Media Kit	2858/A21/8142	Both	N	N	Y
SnapManager for Oracle	2858/A21/8143	Both	N	N	Y
SnapManager/Oracle-Media Kit	2858/A21/8144	Both	N	N	Y
SnapManager for SAP	2858/A21/8145	Both	N	N	Y
SnapManager/SAP-Media Kit	2858/A21/8146	Both	N	N	Y
SnapManager SharePoint-Host	2858/A21/8147	Both	N	N	Y
SnapManger/Sharepnt-Media Kt	2858/A21/8148	Both	N	N	Y
SM SharePoint Mgmt. Bundle	2858/A21/8149	Both	N	N	Y
Single Mbox Recovery 100pk	2858/A21/8150	Both	N	N	Y
Single Mbox Recovery 500pk	2858/A21/8151	Both	N	N	Y
Single Mbox Recovery 1000pk	2858/A21/8152	Both	N	N	Y
Single Mbox Recovery 2500pk	2858/A21/8153	Both	N	N	Y
Single Mbox Recovery 5K pk	2858/A21/8154	Both	N	N	Y
Single Mbox Recovery 10K pk	2858/A21/8155	Both	N	N	Y
Single Mbox Recovery 50K pk	2858/A21/8156	Both	N	N	Y
Single Mbox Recovery Med kt	2858/A21/8157	Both	N	N	Y
SMBR CA-ARCSERVE Extract wiz	2858/A21/8158	Both	N	N	Y
SMBR Tivoli Tape Extract wiz	2858/A21/8159	Both	N	N	Y
SMBR Legato Tape Extract wiz	2858/A21/8160	Both	N	N	Y
SMBR NetBackup Extract wiz	2858/A21/8161	Both	N	N	Y
SMBR PST Tape Extract wiz	2858/A21/8162	Both	N	N	Y

SMBR HP Extract Wiz	2858/A21/8163	Both	N	N	Y
SMBR Commvault Galaxy Ex Wiz	2858/A21/8164	Both	N	N	Y
SMBR UltraBac Extract Wizard	2858/A21/8165	Both	N	N	Y
SMBR Agent for Adv Search	2858/A21/8166	Both	N	N	Y
SMBR Content Analysis Wizard	2858/A21/8167	Both	N	N	Y
SMBR Administrative Server	2858/A21/8168	Both	N	N	Y
Open Sys Snapvault Media Kit	2858/A21/8200	Both	N	N	Y
OSSV Windows for Gateways	2858/A21/8201	Both	N	N	Y
OSSV Windows for Filers	2858/A21/8202	Both	N	N	Y
OSSV Linux for Gateways	2858/A21/8203	Both	N	N	Y
OSSV Linux for Filers	2858/A21/8204	Both	N	N	Y
OSSV OFM for Gateways	2858/A21/8205	Both	N	N	Y
OSSV OFM for Filers	2858/A21/8206	Both	N	N	Y
OSSV UNIX for Gateways	2858/A21/8207	Both	N	N	Y
OSSV UNIX for Filers	2858/A21/8208	Both	N	N	Y
OSSV VMware for Gateways	2858/A21/8209	Both	N	N	Y
OSSV VMware for Filers	2858/A21/8210	Both	N	N	Y
DFM Server License	2858/A21/8255	Both	N	N	Y
Op Mgr Store Resource Mgmt	2858/A21/8257	Both	N	N	Y
Operations Mgr Media Kit	2858/A21/8258	Both	N	N	Y
Ops Mgr Core tier 1 license	2858/A21/8261	Both	N	N	Y
Ops Mgr Core tier 2 license	2858/A21/8262	Both	N	N	Y
Ops Mgr Core tier 3 license	2858/A21/8263	Both	N	N	Y
Ops Mgr Core tier 4 license	2858/A21/8264	Both	N	N	Y
Ops Mgr Core tier 5 license	2858/A21/8265	Both	N	N	Y
Ops Mgr Core tier 6 license	2858/A21/8266	Both	N	N	Y
Ops Mgr Core tier 7 license	2858/A21/8267	Both	N	N	Y
Protect Mgr tier 1 license	2858/A21/8268	Both	N	N	Y
Protect Mgr tier 2 license	2858/A21/8269	Both	N	N	Y
Protect Mgr tier 3 license	2858/A21/8270	Both	N	N	Y
Protect Mgr tier 4 license	2858/A21/8271	Both	N	N	Y
Protect Mgr tier 5 license	2858/A21/8272	Both	N	N	Y
Protect Mgr tier 6 license	2858/A21/8273	Both	N	N	Y
Protect Mgr tier 7 license	2858/A21/8274	Both	N	N	Y
Provisioning Mgr. tier 1	2858/A21/8275	Both	N	N	Y
Provisioning Mgr. tier 2	2858/A21/8276	Both	N	N	Y
Provisioning Mgr. tier 3	2858/A21/8277	Both	N	N	Y
Provisioning Mgr. tier 4	2858/A21/8278	Both	N	N	Y
Provisioning Mgr. tier 5	2858/A21/8279	Both	N	N	Y
Provisioning Mgr. tier 6	2858/A21/8280	Both	N	N	Y
Provisioning Mgr. tier 7	2858/A21/8281	Both	N	N	Y
Protection Mgr. DR tier 1	2858/A21/8282	Both	N	N	Y
Protection Mgr. DR tier 2	2858/A21/8283	Both	N	N	Y
Protection Mgr. DR tier 3	2858/A21/8284	Both	N	N	Y
Protection Mgr. DR tier 4	2858/A21/8285	Both	N	N	Y
Protection Mgr. DR tier 5	2858/A21/8286	Both	N	N	Y
Protection Mgr. DR tier 6	2858/A21/8287	Both	N	N	Y
Protection Mgr. DR tier 7	2858/A21/8288	Both	N	N	Y
PDU Pwr Cord, 42U Rack	2858/A21/9000	Plant	N	N	Y
Power Cord, Cont. Europe	2858/A21/9001	Plant	N	N	Y
Power Cord, UK	2858/A21/9002	Plant	N	N	Y
Power Cord, Japan	2858/A21/9003	Plant	N	N	Y
Power Cord, North America	2858/A21/9004	Plant	N	N	Y
Power Cord, Australia/N.Z.	2858/A21/9005	Plant	N	N	Y
Power Cord, Switzerland	2858/A21/9006	Plant	N	N	Y
Power Cord, Argentina	2858/A21/9007	Plant	N	N	Y
Power Cord, China	2858/A21/9008	Plant	N	N	Y
Power Cord, Denmark	2858/A21/9009	Plant	N	N	Y
Power Cord, India/S.Africa	2858/A21/9010	Plant	N	N	Y
Power Cord, Israel	2858/A21/9011	Plant	N	N	Y
Power Cord, Italy	2858/A21/9012	Plant	N	N	Y
Power Cord, N.America 250V	2858/A21/9013	Plant	N	N	Y
Power Cord, Brazil	2858/A21/9014	Plant	N	N	Y
Power Cord, Taiwan	2858/A21/9015	Plant	N	N	Y
Power Cord, Taiwan 250V	2858/A21/9016	Plant	N	N	Y
Plant install in 2101 rack	2858/A21/9201	Plant	N	N	Y
Field install rack mount kit	2858/A21/9202	Plant	N	N	Y
Uninstalled code authoriztn	2858/A21/9550	Plant	N	N	Y
Gateway Indicator	2858/A21/9551	Plant	N	N	Y
MES Order Indicator	2858/A21/9555	Field	N	N	Y
IGF Transaction Indicator	2858/A21/9556	Field	N	N	Y
Num. of FC Target Ports	2858/A21/9557	Plant	N	N	Y
Num. of FC Storage Loops	2858/A21/9558	Plant	N	N	Y
Num. of SATA Storage Loops	2858/A21/9559	Plant	N	N	Y

- (1) Customer setup
- (2) The feature can be removed only through a feature conversion transaction.
- (3) The feature is field install only during a model conversion.

PRODUCTS

Description	Type	Model	Cdn List
N6040 MODELS A10	2858	A10	\$49,500.00
N6040 MODELS A20	2858	A20	\$51,200.00
N6070 MODELS A11	2858	A11	\$99,400.00
N6070 MODELS A21	2858	A21	\$112,800.00

HW FEATURES

Description	Type	Model	Feature	Cdn List
2-PORT FIBER GBE NIC	2858	A10	1012	\$1,880.00
2-PORT FIBER GBE NIC	2858	A20	1012	\$1,880.00
2-PORT FIBER GBE NIC	2858	A11	1012	\$1,880.00
2-PORT FIBER GBE NIC	2858	A21	1012	\$1,880.00
2-PORT CU GBE NIC	2858	A10	1013	\$625.00
2-PORT CU GBE NIC	2858	A20	1013	\$625.00
2-PORT CU GBE NIC	2858	A11	1013	\$625.00
2-PORT CU GBE NIC	2858	A21	1013	\$625.00
4-Gbps FC HBA - Disk,2-port	2858	A10	1014	\$2,400.00
4-Gbps FC HBA - Disk,2-port	2858	A20	1014	\$2,400.00
4-Gbps FC HBA - Disk,2-port	2858	A11	1014	\$2,400.00
4-Gbps FC HBA - Disk,2-port	2858	A21	1014	\$2,400.00
4-Gbps FC HBA - Tape,2-port	2858	A10	1015	\$2,450.00
4-Gbps FC HBA - Tape,2-port	2858	A20	1015	\$2,450.00
4-Gbps FC HBA - Tape,2-port	2858	A11	1015	\$2,450.00
4-Gbps FC HBA - Tape,2-port	2858	A21	1015	\$2,450.00
2-PORT 4- GBPS FC HBA- TARGET	2858	A10	1017	\$2,400.00
2-PORT 4- GBPS FC HBA- TARGET	2858	A20	1017	\$2,400.00
2-PORT 4- GBPS FC HBA- TARGET	2858	A11	1017	\$2,400.00
2-PORT 4- GBPS FC HBA- TARGET	2858	A21	1017	\$2,400.00
	2858	A10	1021	\$2,920.00

2-PORT ISCSI TARGET FI NIC					
2-PORT ISCSI TARGET FI NIC	2858	A20	1021		\$2,920.00
2-PORT ISCSI TARGET FI NIC	2858	A11	1021		\$2,920.00
2-PORT ISCSI TARGET FI NIC	2858	A21	1021		\$2,920.00
4-PORT CU GVE TOE NIC	2858	A10	1022		\$5,210.00
4-PORT CU GVE TOE NIC	2858	A20	1022		\$5,210.00
4-PORT CU GVE TOE NIC	2858	A11	1022		\$5,210.00
4-PORT CU GVE TOE NIC	2858	A21	1022		\$5,210.00
4-PORT CU GVE NIC	2858	A10	1023		\$1,570.00
4-PORT CU GVE NIC	2858	A20	1023		\$1,570.00
4-PORT CU GVE NIC	2858	A11	1023		\$1,570.00
4-PORT CU GVE NIC	2858	A21	1023		\$1,570.00
2-PORT SCSI ULT320 HBA TAPE	2858	A10	1024		\$1,140.00
2-PORT SCSI ULT320 HBA TAPE	2858	A20	1024		\$1,140.00
2-PORT SCSI ULT320 HBA TAPE	2858	A11	1024		\$1,140.00
2-PORT SCSI ULT320 HBA TAPE	2858	A21	1024		\$1,140.00
2-PORT ISCSI TARGET CU NIC	2858	A10	1026		\$2,500.00
2-PORT ISCSI TARGET CU NIC	2858	A20	1026		\$2,500.00
2-PORT ISCSI TARGET CU NIC	2858	A11	1026		\$2,500.00
2-PORT ISCSI TARGET CU NIC	2858	A21	1026		\$2,500.00
4-PORT 4-GBPS FC HBA-DISK	2858	A10	1029		\$4,170.00
4-PORT 4-GBPS FC HBA-DISK	2858	A20	1029		\$4,170.00
4-PORT 4-GBPS FC HBA-DISK	2858	A11	1029		\$4,170.00
4-PORT 4-GBPS FC HBA-DISK	2858	A21	1029		\$4,170.00
2-PORT 10GBE TOE NIC	2858	A10	1031		\$12,500.00
2-PORT 10GBE TOE NIC	2858	A20	1031		\$12,500.00
2-PORT 10GBE TOE NIC	2858	A11	1031		\$12,500.00
2-PORT 10GBE TOE NIC	2858	A21	1031		\$12,500.00
2-PORT METROCLUSTER VI HBA	2858	A10	1032		\$3,390.00
2-PORT METROCLUSTER VI HBA	2858	A11	1032		\$3,390.00

SnapMirror over FC HBA-PCle	2858	A10	1033	\$3,080.00
SnapMirror over FC HBA-PCle	2858	A20	1033	\$3,080.00
SnapMirror over FC HBA-PCle	2858	A11	1033	\$3,080.00
SnapMirror over FC HBA-PCle	2858	A21	1033	\$3,080.00
4-PORT 4 GBPS FC HBA TAP/ DSK	2858	A10	1035	\$4,170.00
4-PORT 4 GBPS FC HBA TAP/ DSK	2858	A20	1035	\$4,170.00
4-PORT 4 GBPS FC HBA TAP/ DSK	2858	A11	1035	\$4,170.00
4-PORT 4 GBPS FC HBA TAP/ DSK	2858	A21	1035	\$4,170.00
5m 50-micron MMF Cable	2858	A10	1045	\$160.00
5m 50-micron MMF Cable	2858	A20	1045	\$160.00
5m 50-micron MMF Cable	2858	A11	1045	\$160.00
5m 50-micron MMF Cable	2858	A21	1045	\$160.00
30m 50-micron MMF Cable	2858	A10	1046	\$265.00
30m 50-micron MMF Cable	2858	A20	1046	\$265.00
30m 50-micron MMF Cable	2858	A11	1046	\$265.00
30m 50-micron MMF Cable	2858	A21	1046	\$265.00
10-GBE FI CABLE 30M LC/ SC	2858	A10	1047	\$315.00
10-GBE FI CABLE 30M LC/ SC	2858	A20	1047	\$315.00
10-GBE FI CABLE 30M LC/ SC	2858	A11	1047	\$315.00
10-GBE FI CABLE 30M LC/ SC	2858	A21	1047	\$315.00
10-GBE FI CABLE 5M LC/ SC	2858	A10	1048	\$160.00
10-GBE FI CABLE 5M LC/ SC	2858	A20	1048	\$160.00
10-GBE FI CABLE 5M LC/ SC	2858	A11	1048	\$160.00
10-GBE FI CABLE 5M LC/ SC	2858	A21	1048	\$160.00
Ext. Longwave SPF,4-Gbps	2858	A10	1050	\$1,410.00
Ext. Longwave SPF,4-Gbps	2858	A11	1050	\$1,410.00
FC cable,50u,31m,LC- LC	2858	A10	1051	\$68.00

FC cable,50u,31m,LC- LC	2858	A20	1051	\$68.00
FC cable,50u,31m,LC- LC	2858	A11	1051	\$68.00
FC cable,50u,31m,LC- LC	2858	A21	1051	\$68.00
FC cable,50u,31m,LC- SC	2858	A10	1052	\$68.00
FC cable,50u,31m,LC- SC	2858	A20	1052	\$68.00
FC cable,50u,31m,LC- SC	2858	A11	1052	\$68.00
FC cable,50u,31m,LC- SC	2858	A21	1052	\$68.00
PDU Pwr Cord,42U Rack	2858	A10	9000	\$0.00
PDU Pwr Cord,42U Rack	2858	A20	9000	\$0.00
PDU Pwr Cord,42U Rack	2858	A11	9000	\$0.00
PDU Pwr Cord,42U Rack	2858	A21	9000	\$0.00
Pwr Cord Continental Europe	2858	A10	9001	\$0.00
Pwr Cord Continental Europe	2858	A20	9001	\$0.00
Pwr Cord Continental Europe	2858	A11	9001	\$0.00
Pwr Cord Continental Europe	2858	A21	9001	\$0.00
Pwr Cord United Kingdom	2858	A10	9002	\$0.00
Pwr Cord United Kingdom	2858	A20	9002	\$0.00
Pwr Cord United Kingdom	2858	A11	9002	\$0.00
Pwr Cord United Kingdom	2858	A21	9002	\$0.00
Pwr Cord Japan	2858	A10	9003	\$0.00
Pwr Cord Japan	2858	A20	9003	\$0.00
Pwr Cord Japan	2858	A11	9003	\$0.00
Pwr Cord Japan	2858	A21	9003	\$0.00
Pwr Cord North America	2858	A21	9004	\$0.00
Pwr Cord North America	2858	A10	9004	\$0.00
Pwr Cord North America	2858	A20	9004	\$0.00
Pwr Cord North America	2858	A11	9004	\$0.00
Pwr Cord Australia/N.Z.	2858	A10	9005	\$0.00
Pwr Cord Australia/N.Z.	2858	A20	9005	\$0.00
Pwr Cord Australia/N.Z.	2858	A11	9005	\$0.00

Pwr Cord Australia/N.Z.	2858	A21	9005	\$0.00
Pwr Cord Switzerland	2858	A10	9006	\$0.00
Pwr Cord Switzerland	2858	A20	9006	\$0.00
Pwr Cord Switzerland	2858	A11	9006	\$0.00
Pwr Cord Switzerland	2858	A21	9006	\$0.00
Pwr Cord Argentina	2858	A10	9007	\$0.00
Pwr Cord Argentina	2858	A20	9007	\$0.00
Pwr Cord Argentina	2858	A11	9007	\$0.00
Pwr Cord Argentina	2858	A21	9007	\$0.00
Pwr Cord China	2858	A10	9008	\$0.00
Pwr Cord China	2858	A20	9008	\$0.00
Pwr Cord China	2858	A11	9008	\$0.00
Pwr Cord China	2858	A21	9008	\$0.00
Pwr Cord Denmark	2858	A10	9009	\$0.00
Pwr Cord Denmark	2858	A20	9009	\$0.00
Pwr Cord Denmark	2858	A11	9009	\$0.00
Pwr Cord Denmark	2858	A21	9009	\$0.00
Pwr Cord India/S. Africa	2858	A10	9010	\$0.00
Pwr Cord India/S. Africa	2858	A20	9010	\$0.00
Pwr Cord India/S. Africa	2858	A11	9010	\$0.00
Pwr Cord India/S. Africa	2858	A21	9010	\$0.00
Pwr Cord Israel	2858	A10	9011	\$0.00
Pwr Cord Israel	2858	A20	9011	\$0.00
Pwr Cord Israel	2858	A11	9011	\$0.00
Pwr Cord Israel	2858	A21	9011	\$0.00
Pwr Cord Italy	2858	A10	9012	\$0.00
Pwr Cord Italy	2858	A20	9012	\$0.00
Pwr Cord Italy	2858	A11	9012	\$0.00
Pwr Cord Italy	2858	A21	9012	\$0.00
Pwr Cord N America 250V	2858	A10	9013	\$0.00
Pwr Cord N America 250V	2858	A20	9013	\$0.00
Pwr Cord N America 250V	2858	A11	9013	\$0.00
Pwr Cord N America 250V	2858	A21	9013	\$0.00
Pwr Cord Brazil	2858	A21	9014	\$0.00
Pwr Cord Brazil	2858	A10	9014	\$0.00
Pwr Cord Brazil	2858	A20	9014	\$0.00
Pwr Cord Brazil	2858	A11	9014	\$0.00
Pwr Cord Taiwan	2858	A10	9015	\$0.00
Pwr Cord Taiwan	2858	A20	9015	\$0.00
Pwr Cord Taiwan	2858	A11	9015	\$0.00
Pwr Cord Taiwan	2858	A21	9015	\$0.00
Power Cord Taiwan 250V	2858	A10	9016	\$0.00

Power Cord Taiwan 250V	2858	A20	9016	\$0.00
Power Cord Taiwan 250V	2858	A11	9016	\$0.00
Power Cord Taiwan 250V	2858	A21	9016	\$0.00
Plant Install in 2101 Rack	2858	A10	9201	\$170.00
Plant Install in 2101 Rack	2858	A20	9201	\$170.00
Plant Install in 2101 Rack	2858	A11	9201	\$170.00
Plant Install in 2101 Rack	2858	A21	9201	\$170.00
Field Install Rack Mount Kit	2858	A10	9202	\$170.00
Field Install Rack Mount Kit	2858	A20	9202	\$170.00
Field Install Rack Mount Kit	2858	A11	9202	\$170.00
Field Install Rack Mount Kit	2858	A21	9202	\$170.00
MES Order Indicator	2858	A10	9555	\$0.00
MES Order Indicator	2858	A20	9555	\$0.00
MES Order Indicator	2858	A11	9555	\$0.00
MES Order Indicator	2858	A21	9555	\$0.00
IGF Transaction Indicator	2858	A10	9556	\$0.00
IGF Transaction Indicator	2858	A20	9556	\$0.00
IGF Transaction Indicator	2858	A11	9556	\$0.00
IGF Transaction Indicator	2858	A21	9556	\$0.00
LICENSED FUNCTION INDICATORS				
Description	Type	Model	Feature	
DataONTAP	2858	A10	6800	\$0.00
CIFS	2858	A10	6801	\$0.00
HTTP	2858	A10	6802	\$0.00
NFS	2858	A10	6803	\$0.00
CFO for MetroCluster	2858	A10	6804	\$0.00
FlexClone	2858	A10	6805	\$0.00
MultiStore	2858	A10	6806	\$0.00
SnapMirror	2858	A10	6807	\$0.00
SnapLock Compliance	2858	A10	6808	\$0.00
SnapLock Enterprise	2858	A10	6809	\$0.00
SnapRestore	2858	A10	6811	\$0.00
SnapVault Primary	2858	A10	6812	\$0.00
SnapVault Secondary	2858	A10	6813	\$0.00
SyncMirror	2858	A10	6816	\$0.00
SnapValidator	2858	A10	6818	\$0.00
FCP Protocol	2858	A10	6819	\$0.00
Disk Sanitization	2858	A10	6820	\$0.00

SnapMgr for Exchng-Filer Lic	2858	A10	6821	\$0.00
SnapMgr for SQL - Filer Lic	2858	A10	6822	\$0.00
MetroCluster	2858	A10	6823	\$0.00
iSCSI Protocol	2858	A10	6825	\$0.00
SnapMirror	2858	A10	6829	\$0.00
SnapVault Bundle				
NearStore	2858	A10	6831	\$0.00
Adv Single Instance Storage	2858	A10	6832	\$0.00
SnapManager SAP-Filer	2858	A10	6838	\$0.00
SnapManager Oracle-Filer	2858	A10	6839	\$0.00
FlexCache for NFS	2858	A10	6847	\$0.00
SnapManager VI-Filer	2858	A10	6848	\$0.00
SnapMgr for Sharepoint - Filer	2858	A10	6849	\$0.00
DataONTAP - GW	2858	A10	6900	\$0.00
CIFS-GW	2858	A10	6901	\$0.00
HTTP-GW	2858	A10	6902	\$0.00
NFS-GW	2858	A10	6903	\$0.00
CFO for MetroCluster-GW	2858	A10	6904	\$0.00
FlexClone-GW	2858	A10	6905	\$0.00
MultiStore-GW	2858	A10	6906	\$0.00
SnapMirror-GW	2858	A10	6907	\$0.00
SnapLock Enterprise-GW	2858	A10	6909	\$0.00
SnapMover-GW	2858	A10	6910	\$0.00
SnapRestore-GW	2858	A10	6911	\$0.00
SnapVault Primary-GW	2858	A10	6912	\$0.00
SnapVault Secondary-GW	2858	A10	6913	\$0.00
SyncMirror-GW	2858	A10	6916	\$0.00
SnapValidator-GW	2858	A10	6918	\$0.00
FCP Protocol-GW	2858	A10	6919	\$0.00
SnapMgr for Exchng-Filer-GW	2858	A10	6921	\$0.00
SnapMgr for SQL - Filer-GW	2858	A10	6922	\$0.00
MetroCluster-GW	2858	A10	6923	\$0.00
iSCSI Protocol-GW	2858	A10	6925	\$0.00
SnapMirror	2858	A10	6929	\$0.00
SnapVault Bndl-GW				
NearStore-GW	2858	A10	6931	\$0.00
SnapManager SAP-Filer-GW	2858	A10	6938	\$0.00
SnapManager Oracle-Filer-GW	2858	A10	6939	\$0.00
FlexCache for NFS-GW	2858	A10	6947	\$0.00
SnapManager VI-Filer-GW	2858	A10	6948	\$0.00

SnapManager ShPnt-Filer-GW	2858	A10	6949	\$0.00
DataONTAP	2858	A11	6101	\$0.00
CIFS	2858	A11	7401	\$0.00
HTTP	2858	A11	7402	\$0.00
NFS	2858	A11	7403	\$0.00
FlexClone	2858	A11	7404	\$0.00
MultiStore	2858	A11	7405	\$0.00
SnapMirror	2858	A11	7406	\$0.00
SnapLock Compliance	2858	A11	7407	\$0.00
SnapLock Enterprise	2858	A11	7408	\$0.00
SnapRestore	2858	A11	7409	\$0.00
SnapVault Primary	2858	A11	7410	\$0.00
SnapVault Secondary	2858	A11	7411	\$0.00
SyncMirror	2858	A11	7414	\$0.00
SnapValidator	2858	A11	7416	\$0.00
FCP Protocol	2858	A11	7417	\$0.00
Disk Sanitization	2858	A11	7418	\$0.00
SnapMgr for Exchng-Filer Lic	2858	A11	7419	\$0.00
SnapMgr for SQL - Filer Lic	2858	A11	7420	\$0.00
CFO for MetroCluster	2858	A11	7421	\$0.00
iSCSI Protocol	2858	A11	7425	\$0.00
SnapMirror SnapVault Bundle	2858	A11	7429	\$0.00
NearStore	2858	A11	7430	\$0.00
MetroCluster	2858	A11	7431	\$0.00
Adv Single Instance Storage	2858	A11	7432	\$0.00
SnapManager SAP-Filer	2858	A11	7438	\$0.00
SnapManager Oracle-Filer	2858	A11	7439	\$0.00
FlexCache for NFS	2858	A11	7447	\$0.00
SnapManager VI- Filer	2858	A11	7448	\$0.00
SnapMgr for Sharepoint - Filer	2858	A11	7449	\$0.00
HTTP-GW	2858	A11	7502	\$0.00
DataONTAP - GW	2858	A11	6301	\$0.00
CIFS-GW	2858	A11	7501	\$0.00
NFS-GW	2858	A11	7503	\$0.00
FlexClone-GW	2858	A11	7504	\$0.00
MultiStore-GW	2858	A11	7505	\$0.00
SnapMirror-GW	2858	A11	7506	\$0.00
SnapLock Enterprise-GW	2858	A11	7507	\$0.00
SnapMover-GW	2858	A11	7508	\$0.00
SnapRestore-GW	2858	A11	7509	\$0.00
SnapVault Primary-GW	2858	A11	7510	\$0.00
SnapVault Secondary-GW	2858	A11	7511	\$0.00
SyncMirror-GW	2858	A11	7514	\$0.00

SnapValidator-GW	2858	A11	7516	\$0.00
FCP Protocol-GW	2858	A11	7517	\$0.00
SnapMgr for Exchng-Filer-GW	2858	A11	7518	\$0.00
SnapMgr for SQL - Filer-GW	2858	A11	7519	\$0.00
CFO for MetroCluster - GW	2858	A11	7521	\$0.00
NearStore-GW	2858	A11	7522	\$0.00
MetroCluster-GW	2858	A11	7523	\$0.00
iSCSI Protocol-GW	2858	A11	7525	\$0.00
SnapMirror SnapVault Bndl-GW	2858	A11	7529	\$0.00
SnapManager SAP-Filer-GW	2858	A11	7538	\$0.00
SnapManager Oracle-Filer-GW	2858	A11	7539	\$0.00
FlexCache for NFS-GW	2858	A11	7547	\$0.00
SnapManager VI-Filer-GW	2858	A11	7548	\$0.00
SnapManager ShPnt-Filer-GW	2858	A11	7549	\$0.00
DataONTAP	2858	A20	6850	\$0.00
CIFS	2858	A20	7451	\$0.00
HTTP	2858	A20	7452	\$0.00
NFS	2858	A20	7453	\$0.00
CFO	2858	A20	7454	\$0.00
FlexClone	2858	A20	7455	\$0.00
MultiStore	2858	A20	7456	\$0.00
SnapMirror	2858	A20	7457	\$0.00
SnapLock Compliance	2858	A20	7458	\$0.00
SnapLock Enterprise	2858	A20	7459	\$0.00
SnapMover	2858	A20	7460	\$0.00
SnapRestore	2858	A20	7461	\$0.00
SnapVault Primary	2858	A20	7462	\$0.00
SnapVault Secondary	2858	A20	7463	\$0.00
SyncMirror	2858	A20	7466	\$0.00
SnapValidator	2858	A20	7468	\$0.00
FCP Protocol	2858	A20	7469	\$0.00
Disk Sanitization	2858	A20	7470	\$0.00
SnapMgr for Exchng-Filer Lic	2858	A20	7471	\$0.00
SnapMgr for SQL - Filer Lic	2858	A20	7472	\$0.00
SAN Bundle	2858	A20	7474	\$0.00
iSCSI Protocol	2858	A20	7475	\$0.00
SnapMirror SnapVault Bundle	2858	A20	7479	\$0.00
NearStore	2858	A20	7481	\$0.00
Adv Single Instance Stg	2858	A20	7482	\$0.00
SnapManager SAP-Filer	2858	A20	7488	\$0.00

SnapManager Oracle-Filer	2858	A20	7489	\$0.00
FlexCache for NFS	2858	A20	7497	\$0.00
SnapManager VI-Filer	2858	A20	7498	\$0.00
SnapMgr for Sharepoint - Filer	2858	A20	7499	\$0.00
DataONTAP - GW	2858	A20	6950	\$0.00
CIFS-GW	2858	A20	7551	\$0.00
HTTP-GW	2858	A20	7552	\$0.00
NFS-GW	2858	A20	7553	\$0.00
CFO	2858	A20	7554	\$0.00
FlexClone-GW	2858	A20	7555	\$0.00
MultiStore-GW	2858	A20	7556	\$0.00
SnapMirror-GW	2858	A20	7557	\$0.00
SnapLock Enterprise-GW	2858	A20	7559	\$0.00
SnapMover-GW	2858	A20	7560	\$0.00
SnapRestore-GW	2858	A20	7561	\$0.00
SnapVault Primary-GW	2858	A20	7562	\$0.00
SnapVault Secondary-GW	2858	A20	7563	\$0.00
SyncMirror-GW	2858	A20	7566	\$0.00
SnapValidator-GW	2858	A20	7568	\$0.00
FCP Protocol-GW	2858	A20	7569	\$0.00
SnapMgr for Exchng-Filer-GW	2858	A20	7570	\$0.00
SnapMgr for SQL - Filer-GW	2858	A20	7571	\$0.00
NearStore - GW	2858	A20	7572	\$0.00
iSCSI Protocol-GW	2858	A20	7575	\$0.00
SnapMirror SnapVault Bnd-GW	2858	A20	7579	\$0.00
SnapManager SAP-Filer-GW	2858	A20	7588	\$0.00
SnapManager Oracle-Filer-GW	2858	A20	7589	\$0.00
FlexCache for NFS-GW	2858	A20	7597	\$0.00
SnapManager VI-Filer-GW	2858	A20	7598	\$0.00
SnapManager ShPnt-Filer-GW	2858	A20	7599	\$0.00
DataONTAP	2858	A21	6201	\$0.00
CIFS	2858	A21	6051	\$0.00
HTTP	2858	A21	6052	\$0.00
NFS	2858	A21	6053	\$0.00
CFO	2858	A21	6054	\$0.00
FlexClone	2858	A21	6055	\$0.00
MultiStore	2858	A21	6056	\$0.00
SnapMirror	2858	A21	6057	\$0.00
SnapLock Compliance	2858	A21	6058	\$0.00
SnapLock Enterprise	2858	A21	6059	\$0.00
SnapMover	2858	A21	6060	\$0.00
SnapRestore	2858	A21	6061	\$0.00

SnapVault Primary	2858	A21	6062	\$0.00
SnapVault Secondary	2858	A21	6063	\$0.00
SyncMirror	2858	A21	6066	\$0.00
SnapValidator	2858	A21	6067	\$0.00
FCP Protocol	2858	A21	6068	\$0.00
Disk Sanitization	2858	A21	6069	\$0.00
SnapMgr for Exchng-Filer Lic	2858	A21	6070	\$0.00
SnapMgr for SQL - Filer Lic	2858	A21	6071	\$0.00
NearStore	2858	A21	6072	\$0.00
SAN Bundle	2858	A21	6074	\$0.00
iSCSI Protocol	2858	A21	6075	\$0.00
MS Exchange Bundle,5K usrs	2858	A21	6078	\$0.00
SnapMirror SnapVault Bundle	2858	A21	6079	\$0.00
FlexCache for NFS	2858	A21	6080	\$0.00
Adv Single Instance Stg	2858	A21	6082	\$0.00
SnapManager SAP-Filer	2858	A21	6088	\$0.00
SnapManager Oracle-Filer	2858	A21	6089	\$0.00
SnapManager VI-Filer	2858	A21	6098	\$0.00
SnapMgr for Sharepoint - Filer	2858	A21	6099	\$0.00
DataONTAP - GW	2858	A21	6401	\$0.00
CIFS-GW	2858	A21	6151	\$0.00
HTTP-GW	2858	A21	6152	\$0.00
NFS-GW	2858	A21	6153	\$0.00
CFO	2858	A21	6154	\$0.00
FlexClone-GW	2858	A21	6155	\$0.00
MultiStore-GW	2858	A21	6156	\$0.00
SnapMirror-GW	2858	A21	6157	\$0.00
SnapLock Enterprise-GW	2858	A21	6159	\$0.00
SnapMover-GW	2858	A21	6160	\$0.00
SnapRestore-GW	2858	A21	6161	\$0.00
SnapVault Primary-GW	2858	A21	6162	\$0.00
SnapVault Secondary-GW	2858	A21	6163	\$0.00
SyncMirror-GW	2858	A21	6166	\$0.00
SnapValidator-GW	2858	A21	6167	\$0.00
FCP Protocol-GW	2858	A21	6168	\$0.00
SnapMgr for Exchng-Filer-GW	2858	A21	6170	\$0.00
SnapMgr for SQL - Filer-GW	2858	A21	6171	\$0.00
NearStore - GW	2858	A21	6172	\$0.00
iSCSI Protocol-GW	2858	A21	6175	\$0.00
SnapMirror SnapVault Bnd-GW	2858	A21	6179	\$0.00

FlexCache for NFS-GW	2858	A21	6180	\$0.00
SnapManager SAP-Filer-GW	2858	A21	6188	\$0.00
SnapManager Oracle-Filer-GW	2858	A21	6189	\$0.00
SnapManager VI-Filer-GW	2858	A21	6198	\$0.00
SnapManager ShPnt-Filer-GW	2858	A21	6199	\$0.00

HOST

SOFTWARE

Description	Type	Model	Feature	
SnapDrive for AIX - 1-2 CPUs	2858	A10	8000	\$0.00
SnapDrive for AIX - 1-2 CPUs	2858	A20	8000	\$0.00
SnapDrive for AIX - 1-2 CPUs	2858	A11	8000	\$0.00
SnapDrive for AIX - 1-2 CPUs	2858	A21	8000	\$0.00
SnapDrive for AIX - 3-4 CPUs	2858	A10	8001	\$0.00
SnapDrive for AIX - 3-4 CPUs	2858	A20	8001	\$0.00
SnapDrive for AIX - 3-4 CPUs	2858	A11	8001	\$0.00
SnapDrive for AIX - 3-4 CPUs	2858	A21	8001	\$0.00
SnapDrive for AIX - 5-8 CPUs	2858	A10	8002	\$0.00
SnapDrive for AIX - 5-8 CPUs	2858	A20	8002	\$0.00
SnapDrive for AIX - 5-8 CPUs	2858	A11	8002	\$0.00
SnapDrive for AIX - 5-8 CPUs	2858	A21	8002	\$0.00
SnapDrive for AIX - 9+ CPUs	2858	A10	8003	\$0.00
SnapDrive for AIX - 9+ CPUs	2858	A20	8003	\$0.00
SnapDrive for AIX - 9+ CPUs	2858	A11	8003	\$0.00
SnapDrive for AIX - 9+ CPUs	2858	A21	8003	\$0.00
SnapDrive for HPUX - 1-2 CPUs	2858	A10	8004	\$0.00
SnapDrive for HPUX - 1-2 CPUs	2858	A20	8004	\$0.00
SnapDrive for HPUX - 1-2 CPUs	2858	A11	8004	\$0.00
SnapDrive for HPUX - 1-2 CPUs	2858	A21	8004	\$0.00
SnapDrive for HPUX - 3-4 CPUs	2858	A10	8005	\$0.00
SnapDrive for HPUX - 3-4 CPUs	2858	A20	8005	\$0.00
SnapDrive for HPUX - 3-4 CPUs	2858	A11	8005	\$0.00

SnapDrive for HPUX - 3-4 CPUs	2858	A21	8005	\$0.00
SnapDrive for HPUX - 5-8 CPUs	2858	A10	8006	\$0.00
SnapDrive for HPUX - 5-8 CPUs	2858	A20	8006	\$0.00
SnapDrive for HPUX - 5-8 CPUs	2858	A11	8006	\$0.00
SnapDrive for HPUX - 5-8 CPUs	2858	A21	8006	\$0.00
SnapDrive for HPUX - 9+ CPUs	2858	A10	8007	\$0.00
SnapDrive for HPUX - 9+ CPUs	2858	A20	8007	\$0.00
SnapDrive for HPUX - 9+ CPUs	2858	A11	8007	\$0.00
SnapDrive for HPUX - 9+ CPUs	2858	A21	8007	\$0.00
SnapDrive- Solaris - 1-2 CPUs	2858	A10	8008	\$0.00
SnapDrive- Solaris - 1-2 CPUs	2858	A20	8008	\$0.00
SnapDrive- Solaris - 1-2 CPUs	2858	A11	8008	\$0.00
SnapDrive- Solaris - 1-2 CPUs	2858	A21	8008	\$0.00
SnapDrive- Solaris - 3-4 CPUs	2858	A10	8009	\$0.00
SnapDrive- Solaris - 3-4 CPUs	2858	A20	8009	\$0.00
SnapDrive- Solaris - 3-4 CPUs	2858	A11	8009	\$0.00
SnapDrive- Solaris - 3-4 CPUs	2858	A21	8009	\$0.00
SnapDrive- Solaris - 5-8 CPUs	2858	A10	8010	\$0.00
SnapDrive- Solaris - 5-8 CPUs	2858	A20	8010	\$0.00
SnapDrive- Solaris - 5-8 CPUs	2858	A11	8010	\$0.00
SnapDrive- Solaris - 5-8 CPUs	2858	A21	8010	\$0.00
SnapDrive- Solaris - 9 +CPUs	2858	A10	8011	\$0.00
SnapDrive- Solaris - 9 +CPUs	2858	A20	8011	\$0.00
SnapDrive- Solaris - 9 +CPUs	2858	A11	8011	\$0.00

SnapDrive- Solaris - 9 +CPUs	2858	A21	8011	\$0.00
SnapDrive - Linux - 1-2 CPUs	2858	A10	8020	\$0.00
SnapDrive - Linux - 1-2 CPUs	2858	A20	8020	\$0.00
SnapDrive - Linux - 1-2 CPUs	2858	A11	8020	\$0.00
SnapDrive - Linux - 1-2 CPUs	2858	A21	8020	\$0.00
SnapDrive- Linux - 3-4 CPUs	2858	A10	8021	\$0.00
SnapDrive- Linux - 3-4 CPUs	2858	A20	8021	\$0.00
SnapDrive- Linux - 3-4 CPUs	2858	A11	8021	\$0.00
SnapDrive- Linux - 3-4 CPUs	2858	A21	8021	\$0.00
SnapDrive-Linux - 5-8 CPUs	2858	A10	8022	\$0.00
SnapDrive-Linux - 5-8 CPUs	2858	A20	8022	\$0.00
SnapDrive-Linux - 5-8 CPUs	2858	A11	8022	\$0.00
SnapDrive-Linux - 5-8 CPUs	2858	A21	8022	\$0.00
SnapDrive - Linux - 9+ CPUs	2858	A10	8023	\$0.00
SnapDrive - Linux - 9+ CPUs	2858	A20	8023	\$0.00
SnapDrive - Linux - 9+ CPUs	2858	A11	8023	\$0.00
SnapDrive - Linux - 9+ CPUs	2858	A21	8023	\$0.00
SnapDrive for UNIX Media K	2858	A10	8040	\$0.00
SnapDrive for UNIX Media K	2858	A20	8040	\$0.00
SnapDrive for UNIX Media K	2858	A11	8040	\$0.00
SnapDrive for UNIX Media K	2858	A21	8040	\$0.00
SnapDrive for Windows	2858	A10	8050	\$0.00
SnapDrive for Windows	2858	A20	8050	\$0.00
SnapDrive for Windows	2858	A11	8050	\$0.00
SnapDrive for Windows	2858	A21	8050	\$0.00
SnapDrive Win Media Kit	2858	A10	8051	\$0.00
SnapDrive Win Media Kit	2858	A20	8051	\$0.00
SnapDrive Win Media Kit	2858	A11	8051	\$0.00
SnapDrive Win Media Kit	2858	A21	8051	\$0.00
ONTAP DSM for Windows MPIO	2858	A10	8052	\$0.00
ONTAP DSM for Windows MPIO	2858	A20	8052	\$0.00
ONTAP DSM for Windows MPIO	2858	A11	8052	\$0.00
ONTAP DSM for Windows MPIO	2858	A21	8052	\$0.00

ONTAP DSM Win MPIO Med Kit	2858	A10	8053	\$0.00
ONTAP DSM Win MPIO Med Kit	2858	A20	8053	\$0.00
ONTAP DSM Win MPIO Med Kit	2858	A11	8053	\$0.00
ONTAP DSM Win MPIO Med Kit	2858	A21	8053	\$0.00
FCP Host Attach Kit - Win	2858	A10	8100	\$0.00
FCP Host Attach Kit - Win	2858	A20	8100	\$0.00
FCP Host Attach Kit - Win	2858	A11	8100	\$0.00
FCP Host Attach Kit - Win	2858	A21	8100	\$0.00
Base FCP Host Attach Kit - AIX	2858	A10	8110	\$0.00
Base FCP Host Attach Kit - AIX	2858	A20	8110	\$0.00
Base FCP Host Attach Kit - AIX	2858	A11	8110	\$0.00
Base FCP Host Attach Kit - AIX	2858	A21	8110	\$0.00
FCP Host Attach Kit - Linu	2858	A10	8120	\$0.00
FCP Host Attach Kit - Linu	2858	A20	8120	\$0.00
FCP Host Attach Kit - Linu	2858	A11	8120	\$0.00
FCP Host Attach Kit - Linu	2858	A21	8120	\$0.00
FCP Host Attach Kit - HPUX	2858	A10	8121	\$0.00
FCP Host Attach Kit - HPUX	2858	A20	8121	\$0.00
FCP Host Attach Kit - HPUX	2858	A11	8121	\$0.00
FCP Host Attach Kit - HPUX	2858	A21	8121	\$0.00
FCP Host Attach Kit - Solari	2858	A10	8122	\$0.00
FCP Host Attach Kit - Solari	2858	A20	8122	\$0.00
FCP Host Attach Kit - Solari	2858	A11	8122	\$0.00
FCP Host Attach Kit - Solari	2858	A21	8122	\$0.00
FCP Host Utilities - VMWar	2858	A10	8123	\$0.00
FCP Host Utilities - VMWar	2858	A20	8123	\$0.00
FCP Host Utilities - VMWar	2858	A11	8123	\$0.00
FCP Host Utilities - VMWar	2858	A21	8123	\$0.00
SnapManager/ Oracle - WIN	2858	A10	8129	\$0.00
SnapManager/ Oracle - WIN	2858	A20	8129	\$0.00
SnapManager/ Oracle - WIN	2858	A11	8129	\$0.00

SnapManager/ Oracle - WIN	2858	A21	8129	\$0.00
SnapMgr / Exchange-Host	2858	A10	8131	\$0.00
SnapMgr / Exchange-Host	2858	A20	8131	\$0.00
SnapMgr / Exchange-Host	2858	A11	8131	\$0.00
SnapMgr / Exchange-Host	2858	A21	8131	\$0.00
SnapMgr/ Exchange-Med Kit	2858	A10	8132	\$0.00
SnapMgr/ Exchange-Med Kit	2858	A20	8132	\$0.00
SnapMgr/ Exchange-Med Kit	2858	A11	8132	\$0.00
SnapMgr/ Exchange-Med Kit	2858	A21	8132	\$0.00
SnapManager VI - Host	2858	A10	8133	\$0.00
SnapManager VI - Host	2858	A20	8133	\$0.00
SnapManager VI - Host	2858	A11	8133	\$0.00
SnapManager VI - Host	2858	A21	8133	\$0.00
SnapManager VI - Media Kit	2858	A10	8134	\$0.00
SnapManager VI - Media Kit	2858	A20	8134	\$0.00
SnapManager VI - Media Kit	2858	A11	8134	\$0.00
SnapManager VI - Media Kit	2858	A21	8134	\$0.00
SnapManager/ SQL - Host lic	2858	A10	8141	\$0.00
SnapManager/ SQL - Host lic	2858	A20	8141	\$0.00
SnapManager/ SQL - Host lic	2858	A11	8141	\$0.00
SnapManager/ SQL - Host lic	2858	A21	8141	\$0.00
SnapMgr for SQL-Media Kit	2858	A10	8142	\$0.00
SnapMgr for SQL-Media Kit	2858	A20	8142	\$0.00
SnapMgr for SQL-Media Kit	2858	A11	8142	\$0.00
SnapMgr for SQL-Media Kit	2858	A21	8142	\$0.00
SnapManager for Oracle	2858	A10	8143	\$0.00
SnapManager for Oracle	2858	A20	8143	\$0.00
SnapManager for Oracle	2858	A11	8143	\$0.00
SnapManager for Oracle	2858	A21	8143	\$0.00
SnapMgr for Oracle - Media Kit	2858	A10	8144	\$0.00

SnapMgr for Oracle - Media Kit	2858	A20	8144	\$0.00
SnapMgr for Oracle - Media Kit	2858	A11	8144	\$0.00
SnapMgr for Oracle - Media Kit	2858	A21	8144	\$0.00
SnapManager for SAP	2858	A10	8145	\$0.00
SnapManager for SAP	2858	A20	8145	\$0.00
SnapManager for SAP	2858	A11	8145	\$0.00
SnapManager for SAP	2858	A21	8145	\$0.00
SnapMgr for SAP - Media Kit	2858	A10	8146	\$0.00
SnapMgr for SAP - Media Kit	2858	A20	8146	\$0.00
SnapMgr for SAP - Media Kit	2858	A11	8146	\$0.00
SnapMgr for SAP - Media Kit	2858	A21	8146	\$0.00
SnapMgr for Sharepoint	2858	A10	8147	\$0.00
SnapMgr for Sharepoint	2858	A20	8147	\$0.00
SnapMgr for Sharepoint	2858	A11	8147	\$0.00
SnapMgr for Sharepoint	2858	A21	8147	\$0.00
SnapMgr Sharepoint-Med Kit	2858	A10	8148	\$0.00
SnapMgr Sharepoint-Med Kit	2858	A20	8148	\$0.00
SnapMgr Sharepoint-Med Kit	2858	A11	8148	\$0.00
SnapMgr Sharepoint-Med Kit	2858	A21	8148	\$0.00
SM SharePoint Mgmt. Bundle	2858	A10	8149	\$0.00
SM SharePoint Mgmt. Bundle	2858	A20	8149	\$0.00
SM SharePoint Mgmt. Bundle	2858	A11	8149	\$0.00
SM SharePoint Mgmt. Bundle	2858	A21	8149	\$0.00
Single Mbox Recovery - 100pk	2858	A10	8150	\$0.00
Single Mbox Recovery - 100pk	2858	A20	8150	\$0.00
Single Mbox Recovery - 100pk	2858	A11	8150	\$0.00
Single Mbox Recovery - 100pk	2858	A21	8150	\$0.00
Single Mbox Recovery - 500pk	2858	A10	8151	\$0.00
Single Mbox Recovery - 500pk	2858	A20	8151	\$0.00
Single Mbox Recovery - 500pk	2858	A11	8151	\$0.00

Single Mbox Recovery - 500pk	2858	A21	8151	\$0.00
Single Mbox Recovery - 1000pk	2858	A10	8152	\$0.00
Single Mbox Recovery - 1000pk	2858	A20	8152	\$0.00
Single Mbox Recovery - 1000pk	2858	A11	8152	\$0.00
Single Mbox Recovery - 1000pk	2858	A21	8152	\$0.00
Single Mbox Recovery,2500pk	2858	A10	8153	\$0.00
Single Mbox Recovery,2500pk	2858	A20	8153	\$0.00
Single Mbox Recovery,2500pk	2858	A11	8153	\$0.00
Single Mbox Recovery,2500pk	2858	A21	8153	\$0.00
Single Mbox Recovery,5000pk	2858	A10	8154	\$0.00
Single Mbox Recovery,5000pk	2858	A20	8154	\$0.00
Single Mbox Recovery,5000pk	2858	A11	8154	\$0.00
Single Mbox Recovery,5000pk	2858	A21	8154	\$0.00
Single Mbox Recovery,10000pk	2858	A10	8155	\$0.00
Single Mbox Recovery,10000pk	2858	A20	8155	\$0.00
Single Mbox Recovery,10000pk	2858	A11	8155	\$0.00
Single Mbox Recovery,10000pk	2858	A21	8155	\$0.00
Single Mbox Recovery,50000pk	2858	A10	8156	\$0.00
Single Mbox Recovery,50000pk	2858	A20	8156	\$0.00
Single Mbox Recovery,50000pk	2858	A11	8156	\$0.00
Single Mbox Recovery,50000pk	2858	A21	8156	\$0.00
Single Mailbox Rec - Med Kit	2858	A10	8157	\$0.00
Single Mailbox Rec - Med Kit	2858	A20	8157	\$0.00
Single Mailbox Rec - Med Kit	2858	A11	8157	\$0.00
Single Mailbox Rec - Med Kit	2858	A21	8157	\$0.00
SMBR - CA- ARCSERVE ExtWiz	2858	A10	8158	\$0.00
SMBR - CA- ARCSERVE ExtWiz	2858	A20	8158	\$0.00
SMBR - CA- ARCSERVE ExtWiz	2858	A11	8158	\$0.00
SMBR - CA- ARCSERVE ExtWiz	2858	A21	8158	\$0.00

SMBR - Tivoli Tape Extr Wizard	2858	A10	8159	\$0.00
SMBR - Tivoli Tape Extr Wizard	2858	A20	8159	\$0.00
SMBR - Tivoli Tape Extr Wizard	2858	A11	8159	\$0.00
SMBR - Tivoli Tape Extr Wizard	2858	A21	8159	\$0.00
SMBR - Legato Tape Ext Wizard	2858	A10	8160	\$0.00
SMBR - Legato Tape Ext Wizard	2858	A20	8160	\$0.00
SMBR - Legato Tape Ext Wizard	2858	A11	8160	\$0.00
SMBR - Legato Tape Ext Wizard	2858	A21	8160	\$0.00
SMBR - NetBackup Extr Wizard	2858	A10	8161	\$0.00
SMBR - NetBackup Extr Wizard	2858	A20	8161	\$0.00
SMBR - NetBackup Extr Wizard	2858	A11	8161	\$0.00
SMBR - NetBackup Extr Wizard	2858	A21	8161	\$0.00
SMBR - PST Tape Extr Wizard	2858	A10	8162	\$0.00
SMBR - PST Tape Extr Wizard	2858	A20	8162	\$0.00
SMBR - PST Tape Extr Wizard	2858	A11	8162	\$0.00
SMBR - PST Tape Extr Wizard	2858	A21	8162	\$0.00
SMBR - HP Extract Wizard	2858	A10	8163	\$0.00
SMBR - HP Extract Wizard	2858	A20	8163	\$0.00
SMBR - HP Extract Wizard	2858	A11	8163	\$0.00
SMBR - HP Extract Wizard	2858	A21	8163	\$0.00
SMBR - Extr Wiz Commvault Glxy	2858	A10	8164	\$0.00
SMBR - Extr Wiz Commvault Glxy	2858	A20	8164	\$0.00
SMBR - Extr Wiz Commvault Glxy	2858	A11	8164	\$0.00
SMBR - Extr Wiz Commvault Glxy	2858	A21	8164	\$0.00
SMBR - Extract Wizard UltraBac	2858	A10	8165	\$0.00
SMBR - Extract Wizard UltraBac	2858	A20	8165	\$0.00
SMBR - Extract Wizard UltraBac	2858	A11	8165	\$0.00
SMBR - Extract Wizard UltraBac	2858	A21	8165	\$0.00
SMBR - Agent for Adv Searching	2858	A10	8166	\$0.00
SMBR - Agent for Adv Searching	2858	A20	8166	\$0.00
SMBR - Agent for Adv Searching	2858	A11	8166	\$0.00

SMBR - Agent for Adv Searching	2858	A21	8166	\$0.00
SMBR - Content Analysis Wizard	2858	A10	8167	\$0.00
SMBR - Content Analysis Wizard	2858	A20	8167	\$0.00
SMBR - Content Analysis Wizard	2858	A11	8167	\$0.00
SMBR - Content Analysis Wizard	2858	A21	8167	\$0.00
SMBR Administrative Server	2858	A10	8168	\$0.00
SMBR Administrative Server	2858	A20	8168	\$0.00
SMBR Administrative Server	2858	A11	8168	\$0.00
SMBR Administrative Server	2858	A21	8168	\$0.00
Open Sys SnapVault Media Kit	2858	A10	8200	\$0.00
Open Sys SnapVault Media Kit	2858	A20	8200	\$0.00
Open Sys SnapVault Media Kit	2858	A11	8200	\$0.00
Open Sys SnapVault Media Kit	2858	A21	8200	\$0.00
OSSV Windows for Gateways	2858	A10	8201	\$0.00
OSSV Windows for Gateways	2858	A20	8201	\$0.00
OSSV Windows for Gateways	2858	A11	8201	\$0.00
OSSV Windows for Gateways	2858	A21	8201	\$0.00
OSSV Windows for Filers	2858	A10	8202	\$0.00
OSSV Windows for Filers	2858	A20	8202	\$0.00
OSSV Windows for Filers	2858	A11	8202	\$0.00
OSSV Windows for Filers	2858	A21	8202	\$0.00
OSSV Linux for Gateways	2858	A10	8203	\$0.00
OSSV Linux for Gateways	2858	A20	8203	\$0.00
OSSV Linux for Gateways	2858	A11	8203	\$0.00
OSSV Linux for Gateways	2858	A21	8203	\$0.00
OSSV Linux for Filers	2858	A10	8204	\$0.00
OSSV Linux for Filers	2858	A20	8204	\$0.00
OSSV Linux for Filers	2858	A11	8204	\$0.00
OSSV Linux for Filers	2858	A21	8204	\$0.00

OSSV OFM for Gateways	2858	A10	8205	\$0.00
OSSV OFM for Gateways	2858	A20	8205	\$0.00
OSSV OFM for Gateways	2858	A11	8205	\$0.00
OSSV OFM for Gateways	2858	A21	8205	\$0.00
OSSV OFM for Filers	2858	A10	8206	\$0.00
OSSV OFM for Filers	2858	A20	8206	\$0.00
OSSV OFM for Filers	2858	A11	8206	\$0.00
OSSV OFM for Filers	2858	A21	8206	\$0.00
OSSV UNIX for Gateways	2858	A10	8207	\$0.00
OSSV UNIX for Gateways	2858	A20	8207	\$0.00
OSSV UNIX for Gateways	2858	A11	8207	\$0.00
OSSV UNIX for Gateways	2858	A21	8207	\$0.00
OSSV UNIX for Filers	2858	A10	8208	\$0.00
OSSV UNIX for Filers	2858	A20	8208	\$0.00
OSSV UNIX for Filers	2858	A11	8208	\$0.00
OSSV UNIX for Filers	2858	A21	8208	\$0.00
OSSV VMWare for Gateways	2858	A10	8209	\$0.00
OSSV VMWare for Gateways	2858	A20	8209	\$0.00
OSSV VMWare for Gateways	2858	A11	8209	\$0.00
OSSV VMWare for Gateways	2858	A21	8209	\$0.00
OSSV VMWare for Filers	2858	A10	8210	\$0.00
OSSV VMWare for Filers	2858	A20	8210	\$0.00
OSSV VMWare for Filers	2858	A11	8210	\$0.00
OSSV VMWare for Filers	2858	A21	8210	\$0.00
DFM Server License	2858	A10	8255	\$0.00
DFM Server License	2858	A20	8255	\$0.00
DFM Server License	2858	A11	8255	\$0.00
DFM Server License	2858	A21	8255	\$0.00
Op Mg Store Resource Mgmt	2858	A10	8257	\$0.00
Op Mg Store Resource Mgmt	2858	A20	8257	\$0.00
Op Mg Store Resource Mgmt	2858	A11	8257	\$0.00
Op Mg Store Resource Mgmt	2858	A21	8257	\$0.00
Operations Manager Media K	2858	A10	8258	\$0.00

Operations Manager Media K	2858	A20	8258	\$0.00
Operations Manager Media K	2858	A11	8258	\$0.00
Operations Manager Media K	2858	A21	8258	\$0.00
Ops Mgr Tier 1 Core Licens	2858	A10	8261	\$0.00
Ops Mgr Tier 1 Core Licens	2858	A20	8261	\$0.00
Ops Mgr Tier 1 Core Licens	2858	A11	8261	\$0.00
Ops Mgr Tier 1 Core Licens	2858	A21	8261	\$0.00
Ops Mgr Tier 2 Core Licens	2858	A10	8262	\$0.00
Ops Mgr Tier 2 Core Licens	2858	A20	8262	\$0.00
Ops Mgr Tier 2 Core Licens	2858	A11	8262	\$0.00
Ops Mgr Tier 2 Core Licens	2858	A21	8262	\$0.00
Ops Mgr Tier 3 Core Licens	2858	A10	8263	\$0.00
Ops Mgr Tier 3 Core Licens	2858	A20	8263	\$0.00
Ops Mgr Tier 3 Core Licens	2858	A11	8263	\$0.00
Ops Mgr Tier 3 Core Licens	2858	A21	8263	\$0.00
Ops Mgr Tier 4 Core Licens	2858	A10	8264	\$0.00
Ops Mgr Tier 4 Core Licens	2858	A20	8264	\$0.00
Ops Mgr Tier 4 Core Licens	2858	A11	8264	\$0.00
Ops Mgr Tier 4 Core Licens	2858	A21	8264	\$0.00
Ops Mgr Tier 5 Core Licens	2858	A10	8265	\$0.00
Ops Mgr Tier 5 Core Licens	2858	A20	8265	\$0.00
Ops Mgr Tier 5 Core Licens	2858	A11	8265	\$0.00
Ops Mgr Tier 5 Core Licens	2858	A21	8265	\$0.00
Ops Mgr Tier 6 Core Licens	2858	A10	8266	\$0.00
Ops Mgr Tier 6 Core Licens	2858	A20	8266	\$0.00
Ops Mgr Tier 6 Core Licens	2858	A11	8266	\$0.00
Ops Mgr Tier 6 Core Licens	2858	A21	8266	\$0.00
Ops Mgr Tier 7 Core Licens	2858	A10	8267	\$0.00
Ops Mgr Tier 7 Core Licens	2858	A20	8267	\$0.00
Ops Mgr Tier 7 Core Licens	2858	A11	8267	\$0.00
Ops Mgr Tier 7 Core Licens	2858	A21	8267	\$0.00
Protect Mgr Tier 1 License	2858	A10	8268	\$0.00
Protect Mgr Tier 1 License	2858	A20	8268	\$0.00

Protect Mgr Tier 1 License	2858	A11	8268	\$0.00
Protect Mgr Tier 1 License	2858	A21	8268	\$0.00
Protect Mgr Tier 2 License	2858	A10	8269	\$0.00
Protect Mgr Tier 2 License	2858	A20	8269	\$0.00
Protect Mgr Tier 2 License	2858	A11	8269	\$0.00
Protect Mgr Tier 2 License	2858	A21	8269	\$0.00
Protect Mgr Tier 3 License	2858	A10	8270	\$0.00
Protect Mgr Tier 3 License	2858	A20	8270	\$0.00
Protect Mgr Tier 3 License	2858	A11	8270	\$0.00
Protect Mgr Tier 3 License	2858	A21	8270	\$0.00
Protect Mgr Tier 4 License	2858	A10	8271	\$0.00
Protect Mgr Tier 4 License	2858	A20	8271	\$0.00
Protect Mgr Tier 4 License	2858	A11	8271	\$0.00
Protect Mgr Tier 4 License	2858	A21	8271	\$0.00
Protect Mgr Tier 5 License	2858	A10	8272	\$0.00
Protect Mgr Tier 5 License	2858	A20	8272	\$0.00
Protect Mgr Tier 5 License	2858	A11	8272	\$0.00
Protect Mgr Tier 5 License	2858	A21	8272	\$0.00
Protect Mgr Tier 6 License	2858	A10	8273	\$0.00
Protect Mgr Tier 6 License	2858	A20	8273	\$0.00
Protect Mgr Tier 6 License	2858	A11	8273	\$0.00
Protect Mgr Tier 6 License	2858	A21	8273	\$0.00
Protect Mgr Tier 7 License	2858	A10	8274	\$0.00
Protect Mgr Tier 7 License	2858	A20	8274	\$0.00
Protect Mgr Tier 7 License	2858	A11	8274	\$0.00
Protect Mgr Tier 7 License	2858	A21	8274	\$0.00
Provisioning Mgr. tier 1	2858	A10	8275	\$0.00
Provisioning Mgr. tier 1	2858	A20	8275	\$0.00
Provisioning Mgr. tier 1	2858	A11	8275	\$0.00
Provisioning Mgr. tier 1	2858	A21	8275	\$0.00
Provisioning Mgr. tier 2	2858	A10	8276	\$0.00
Provisioning Mgr. tier 2	2858	A20	8276	\$0.00
Provisioning Mgr. tier 2	2858	A11	8276	\$0.00

Provisioning Mgr. tier 2	2858	A21	8276	\$0.00
Provisioning Mgr. tier 3	2858	A10	8277	\$0.00
Provisioning Mgr. tier 3	2858	A20	8277	\$0.00
Provisioning Mgr. tier 3	2858	A11	8277	\$0.00
Provisioning Mgr. tier 3	2858	A21	8277	\$0.00
Provisioning Mgr. tier 4	2858	A10	8278	\$0.00
Provisioning Mgr. tier 4	2858	A20	8278	\$0.00
Provisioning Mgr. tier 4	2858	A11	8278	\$0.00
Provisioning Mgr. tier 4	2858	A21	8278	\$0.00
Provisioning Mgr. tier 5	2858	A10	8279	\$0.00
Provisioning Mgr. tier 5	2858	A20	8279	\$0.00
Provisioning Mgr. tier 5	2858	A11	8279	\$0.00
Provisioning Mgr. tier 5	2858	A21	8279	\$0.00
Provisioning Mgr. tier 6	2858	A10	8280	\$0.00
Provisioning Mgr. tier 6	2858	A20	8280	\$0.00
Provisioning Mgr. tier 6	2858	A11	8280	\$0.00
Provisioning Mgr. tier 6	2858	A21	8280	\$0.00
Provisioning Mgr. tier 7	2858	A10	8281	\$0.00
Provisioning Mgr. tier 7	2858	A20	8281	\$0.00
Provisioning Mgr. tier 7	2858	A11	8281	\$0.00
Provisioning Mgr. tier 7	2858	A21	8281	\$0.00
Protection Mgr. DR tier 1	2858	A10	8282	\$0.00
Protection Mgr. DR tier 1	2858	A20	8282	\$0.00
Protection Mgr. DR tier 1	2858	A11	8282	\$0.00
Protection Mgr. DR tier 1	2858	A21	8282	\$0.00
Protection Mgr. DR tier 2	2858	A10	8283	\$0.00
Protection Mgr. DR tier 2	2858	A20	8283	\$0.00
Protection Mgr. DR tier 2	2858	A11	8283	\$0.00
Protection Mgr. DR tier 2	2858	A21	8283	\$0.00
Protection Mgr. DR tier 3	2858	A10	8284	\$0.00
Protection Mgr. DR tier 3	2858	A20	8284	\$0.00
Protection Mgr. DR tier 3	2858	A11	8284	\$0.00
Protection Mgr. DR tier 3	2858	A21	8284	\$0.00

Protection Mgr. DR tier 4	2858	A10	8285	\$0.00
Protection Mgr. DR tier 4	2858	A20	8285	\$0.00
Protection Mgr. DR tier 4	2858	A11	8285	\$0.00
Protection Mgr. DR tier 4	2858	A21	8285	\$0.00
Protection Mgr. DR tier 5	2858	A10	8286	\$0.00
Protection Mgr. DR tier 5	2858	A20	8286	\$0.00
Protection Mgr. DR tier 5	2858	A11	8286	\$0.00
Protection Mgr. DR tier 5	2858	A21	8286	\$0.00
Protection Mgr. DR tier 6	2858	A10	8287	\$0.00
Protection Mgr. DR tier 6	2858	A20	8287	\$0.00
Protection Mgr. DR tier 6	2858	A11	8287	\$0.00
Protection Mgr. DR tier 6	2858	A21	8287	\$0.00
Protection Mgr. DR tier 7	2858	A10	8288	\$0.00
Protection Mgr. DR tier 7	2858	A20	8288	\$0.00
Protection Mgr. DR tier 7	2858	A11	8288	\$0.00
Protection Mgr. DR tier 7	2858	A21	8288	\$0.00

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Maintenance

Description	Type	Model	Feature	CDN 7x24	CDN 9x5	CDN WOU
N6040 MODELS A10	2858	A10		\$500	\$360	\$3,150
N6040 MODELS A20	2858	A20		\$750	\$540	\$4,270
N6070 MODELS A11	2858	A11		\$1,000	\$720	\$6,300
N6070 MODELS A21	2858	A21		\$1,500	\$1,070	\$8,400
DataONTAP	2858	A10	6800			
CIFS	2858	A10	6801	\$230	\$164	
HTTP	2858	A10	6802	\$60	\$43	
NFS	2858	A10	6803	\$230	\$165	
CFO for MetroCluster	2858	A10	6804	\$0	\$0	
FlexClone	2858	A10	6805	\$128	\$91	
MultiStore	2858	A10	6806	\$210	\$151	
SnapMirror	2858	A10	6807	\$450	\$320	
SnapLock	2858	A10	6808	\$240	\$170	
Compliance						
SnapLock Enterprise	2858	A10	6809	\$240	\$170	
SnapRestore	2858	A10	6811	\$85	\$61	
SnapVault Primary	2858	A10	6812	\$128	\$91	
SnapVault Secondary	2858	A10	6813	\$450	\$320	
SyncMirror	2858	A10	6816	\$0	\$0	

SnapValidator	2858	A10	6818	\$25	\$19
FCP Protocol	2858	A10	6819	\$39	\$28
Disk Sanitization	2858	A10	6820	\$0	\$0
SnapMgr for Exchng-Filer Lic	2858	A10	6821	\$260	\$183
SnapMgr for SQL - Filer Lic	2858	A10	6822	\$260	\$183
MetroCluster	2858	A10	6823	\$128	\$91
iSCSI Protocol	2858	A10	6825	\$0	\$0
SnapMirror SnapVault Bundle	2858	A10	6829	\$560	\$400
NearStore	2858	A10	6831	\$0	\$0
Adv Single Instance Storage	2858	A10	6832	\$0	\$0
SnapManager SAP-Filer	2858	A10	6838	\$320	\$230
SnapManager Oracle-Filer	2858	A10	6839	\$260	\$183
FlexCache for NFS	2858	A10	6847	\$0	\$0
SnapManager VI-Filer	2858	A10	6848	\$94	\$66
SnapMgr for Sharepoint - Filer	2858	A10	6849	\$200	\$144
DataONTAP - GW	2858	A10	6900	\$55	\$40
CIFS-GW	2858	A10	6901	\$230	\$164
HTTP-GW	2858	A10	6902	\$60	\$43
NFS-GW	2858	A10	6903	\$230	\$165
CFO for MetroCluster-GW	2858	A10	6904	\$0	\$0
FlexClone-GW	2858	A10	6905	\$128	\$91
MultiStore-GW	2858	A10	6906	\$210	\$151
SnapMirror-GW	2858	A10	6907	\$450	\$320
SnapLock Enterprise-GW	2858	A10	6909	\$240	\$170
SnapMover-GW	2858	A10	6910	\$0	\$0
SnapRestore-GW	2858	A10	6911	\$85	\$61
SnapVault Primary-GW	2858	A10	6912	\$128	\$91
SnapVault Secondary-GW	2858	A10	6913	\$450	\$320
SyncMirror-GW	2858	A10	6916	\$0	\$0
SnapValidator-GW	2858	A10	6918	\$25	\$19
	2858	A10	6919	\$39	\$28

FCP Protocol-GW					
SnapMgr for Exchng-Filer-GW	2858	A10	6921	\$260	\$183
SnapMgr for SQL - Filer-GW	2858	A10	6922	\$260	\$183
MetroCluster-GW	2858	A10	6923	\$128	\$91
iSCSI Protocol-GW	2858	A10	6925	\$0	\$0
SnapMirror SnapVault Bndl-GW	2858	A10	6929	\$560	\$400
NearStore-GW	2858	A10	6931	\$0	\$0
SnapManager SAP-Filer-GW	2858	A10	6938	\$320	\$230
SnapManager Oracle-Filer-GW	2858	A10	6939	\$260	\$183
FlexCache for NFS-GW	2858	A10	6947	\$0	\$0
SnapManager VI-Filer-GW	2858	A10	6948	\$94	\$66
SnapManager ShPnt-Filer-GW	2858	A10	6949	\$200	\$144
DataONTAP	2858	A11	6101	\$0	\$0
CIFS	2858	A11	7401	\$320	\$230
HTTP	2858	A11	7402	\$76	\$54
NFS	2858	A11	7403	\$430	\$300
FlexClone	2858	A11	7404	\$146	\$105
MultiStore	2858	A11	7405	\$270	\$195
SnapMirror	2858	A11	7406	\$630	\$450
SnapLock Compliance	2858	A11	7407	\$270	\$195
SnapLock Enterprise	2858	A11	7408	\$270	\$195
SnapRestore	2858	A11	7409	\$98	\$70
SnapVault Primary	2858	A11	7410	\$156	\$111
SnapVault Secondary	2858	A11	7411	\$630	\$450
SyncMirror	2858	A11	7414	\$0	\$0
SnapValidator	2858	A11	7416	\$39	\$28
FCP Protocol	2858	A11	7417	\$195	\$140
Disk Sanitization	2858	A11	7418	\$0	\$0
SnapMgr for Exchng-Filer Lic	2858	A11	7419	\$270	\$195
SnapMgr for SQL - Filer Lic	2858	A11	7420	\$270	\$195
CFO for MetroCluster	2858	A11	7421	\$0	\$0
iSCSI Protocol	2858	A11	7425	\$0	\$0
	2858	A11	7429	\$780	\$560

SnapMirror					
SnapVault					
Bundle					
NearStore	2858	A11	7430	\$39	\$28
MetroCluster	2858	A11	7431	\$170	\$121
Adv Single Instance Storage	2858	A11	7432	\$0	\$0
SnapManager SAP-Filer	2858	A11	7438	\$4,470	\$3,220
SnapManager Oracle-Filer	2858	A11	7439	\$3,570	\$2,570
FlexCache for NFS	2858	A11	7447	\$0	\$0
SnapManager VI-Filer	2858	A11	7448	\$130	\$94
SnapMgr for Sharepoint - Filer	2858	A11	7449	\$230	\$168
DataONTAP - GW	2858	A11	6301	\$110	\$79
CIFS-GW	2858	A11	7501	\$320	\$230
HTTP-GW	2858	A11	7502	\$76	\$54
NFS-GW	2858	A11	7503	\$430	\$300
FlexClone-GW	2858	A11	7504	\$146	\$105
MultiStore-GW	2858	A11	7505	\$270	\$195
SnapMirror-GW	2858	A11	7506	\$630	\$450
SnapLock Enterprise-GW	2858	A11	7507	\$270	\$195
SnapMover-GW	2858	A11	7508	\$0	\$0
SnapRestore-GW	2858	A11	7509	\$98	\$70
SnapVault Primary-GW	2858	A11	7510	\$156	\$111
SnapVault Secondary-GW	2858	A11	7511	\$630	\$450
SyncMirror-GW	2858	A11	7514	\$0	\$0
SnapValidator-GW	2858	A11	7516	\$39	\$28
FCP Protocol-GW	2858	A11	7517	\$195	\$140
SnapMgr for Exchng-Filer-GW	2858	A11	7518	\$270	\$195
SnapMgr for SQL - Filer-GW	2858	A11	7519	\$270	\$195
CFO for MetroCluster - GW	2858	A11	7521	\$0	\$0
NearStore-GW	2858	A11	7522	\$0	\$0
MetroCluster-GW	2858	A11	7523	\$170	\$121
	2858	A11	7525	\$0	\$0

iSCSI Protocol- GW					
SnapMirror	2858	A11	7529	\$780	\$560
SnapVault Bndl-GW					
SnapManager	2858	A11	7538	\$4,470	\$3,220
SAP-Filer- GW					
SnapManager	2858	A11	7539	\$3,570	\$2,570
Oracle- Filer-GW					
FlexCache for NFS- GW	2858	A11	7547	\$0	\$0
SnapManager	2858	A11	7548	\$130	\$94
VI-Filer- GW					
SnapManager	2858	A11	7549	\$230	\$168
ShPnt- Filer-GW					
DataONTAP	2858	A20	6850	\$0	\$0
CIFS	2858	A20	7451	\$340	\$240
HTTP	2858	A20	7452	\$99	\$70
NFS	2858	A20	7453	\$510	\$360
CFO	2858	A20	7454	\$290	\$210
FlexClone	2858	A20	7455	\$199	\$143
MultiStore	2858	A20	7456	\$290	\$210
SnapMirror	2858	A20	7457	\$790	\$560
SnapLock	2858	A20	7458	\$390	\$280
Compliance					
SnapLock Enterprise	2858	A20	7459	\$390	\$280
SnapMover	2858	A20	7460	\$0	\$0
SnapRestore	2858	A20	7461	\$141	\$100
SnapVault Primary	2858	A20	7462	\$210	\$151
SnapVault Secondary	2858	A20	7463	\$840	\$600
SyncMirror	2858	A20	7466	\$0	\$0
SnapValidator	2858	A20	7468	\$35	\$25
FCP Protocol	2858	A20	7469	\$210	\$151
Disk Sanitization	2858	A20	7470	\$0	\$0
SnapMgr for Exchng- Filer Lic	2858	A20	7471	\$400	\$290
SnapMgr for SQL - Filer Lic	2858	A20	7472	\$400	\$290
SAN Bundle	2858	A20	7474	\$330	\$230
iSCSI Protocol	2858	A20	7475	\$39	\$28
SnapMirror SnapVault Bundle	2858	A20	7479	\$1,060	\$750
NearStore	2858	A20	7481	\$48	\$34
Adv Single Instance Stg	2858	A20	7482	\$0	\$0
SnapManager SAP-Filer	2858	A20	7488	\$6,510	\$4,690
	2858	A20	7489	\$5,210	\$3,750

SnapManager Oracle- Filer					
FlexCache for NFS	2858	A20	7497	\$0	\$0
SnapManager VI-Filer	2858	A20	7498	\$168	\$120
SnapMgr for Sharepoint - Filer	2858	A20	7499	\$340	\$240
DataONTAP - GW	2858	A20	6950	\$90	\$64
CIFS-GW	2858	A20	7551	\$340	\$240
HTTP-GW	2858	A20	7552	\$99	\$70
NFS-GW	2858	A20	7553	\$510	\$360
CFO	2858	A20	7554	\$0	\$0
FlexClone- GW	2858	A20	7555	\$199	\$143
MultiStore- GW	2858	A20	7556	\$290	\$210
SnapMirror- GW	2858	A20	7557	\$840	\$600
SnapLock Enterprise- GW	2858	A20	7559	\$390	\$280
SnapMover- GW	2858	A20	7560	\$0	\$0
SnapRestore- GW	2858	A20	7561	\$141	\$100
SnapVault Primary- GW	2858	A20	7562	\$210	\$151
SnapVault Secondary- GW	2858	A20	7563	\$840	\$600
SyncMirror- GW	2858	A20	7566	\$0	\$0
SnapValidator- GW	2858	A20	7568	\$35	\$25
FCP Protocol- GW	2858	A20	7569	\$210	\$151
SnapMgr for Exchng- Filer-GW	2858	A20	7570	\$400	\$290
SnapMgr for SQL - Filer-GW	2858	A20	7571	\$400	\$290
NearStore - GW	2858	A20	7572	\$48	\$34
iSCSI Protocol- GW	2858	A20	7575	\$0	\$0
SnapMirror SnapVault Bnd-GW	2858	A20	7579	\$1,060	\$750
SnapManager SAP-Filer- GW	2858	A20	7588	\$6,510	\$4,690
SnapManager Oracle- Filer-GW	2858	A20	7589	\$5,210	\$3,750
FlexCache for NFS- GW	2858	A20	7597	\$0	\$0
	2858	A20	7598	\$168	\$120

SnapManager VI-Filer- GW					
SnapManager	2858	A20	7599	\$340	\$240
ShPnt- Filer-GW					
CIFS	2858	A21	6051	\$580	\$420
HTTP	2858	A21	6052	\$136	\$98
NFS	2858	A21	6053	\$840	\$600
CFO	2858	A21	6054	\$0	\$0
FlexClone	2858	A21	6055	\$250	\$178
MultiStore	2858	A21	6056	\$410	\$290
SnapMirror	2858	A21	6057	\$1,130	\$800
SnapLock	2858	A21	6058	\$490	\$350
Compliance					
SnapLock	2858	A21	6059	\$490	\$350
Enterprise					
SnapMover	2858	A21	6060	\$0	\$0
SnapRestore	2858	A21	6061	\$176	\$125
SnapVault	2858	A21	6062	\$280	\$200
Primary					
SnapVault	2858	A21	6063	\$1,130	\$800
Secondary					
SyncMirror	2858	A21	6066	\$0	\$0
SnapValidator	2858	A21	6067	\$59	\$41
FCP	2858	A21	6068	\$350	\$250
Protocol					
Disk	2858	A21	6069	\$0	\$0
Sanitization					
SnapMgr for Exchng- Filer Lic	2858	A21	6070	\$470	\$330
SnapMgr	2858	A21	6071	\$470	\$330
for SQL - Filer Lic					
NearStore	2858	A21	6072	\$63	\$45
SAN	2858	A21	6074	\$580	\$410
Bundle					
iSCSI	2858	A21	6075	\$0	\$0
Protocol					
MS	2858	A21	6078	\$500	\$360
Exchange					
Bundle,5K					
usrs					
SnapMirror	2858	A21	6079	\$1,410	\$1,010
SnapVault					
Bundle					
FlexCache	2858	A21	6080	\$0	\$0
for NFS					
Adv Single	2858	A21	6082	\$0	\$0
Instance					
Stg					
SnapManager	2858	A21	6088	\$8,040	\$5,790
SAP-Filer					
SnapManager	2858	A21	6089	\$6,430	\$4,630
Oracle- Filer					
SnapManager	2858	A21	6098	\$240	\$168
VI-Filer					
SnapMgr	2858	A21	6099	\$400	\$280
for					
Sharepoint					
- Filer					
DataONTAP	2858	A21	6201	\$0	\$0
DataONTAP	2858	A21	6401	\$230	\$161
- GW					

CIFS-GW	2858	A21	6151	\$580	\$420
HTTP-GW	2858	A21	6152	\$136	\$98
NFS-GW	2858	A21	6153	\$840	\$600
CFO	2858	A21	6154	\$0	\$0
FlexClone-GW	2858	A21	6155	\$250	\$178
MultiStore-GW	2858	A21	6156	\$410	\$290
SnapMirror-GW	2858	A21	6157	\$1,130	\$800
SnapLock Enterprise-GW	2858	A21	6159	\$490	\$350
SnapMover-GW	2858	A21	6160	\$0	\$0
SnapRestore-GW	2858	A21	6161	\$176	\$125
SnapVault Primary-GW	2858	A21	6162	\$280	\$200
SnapVault Secondary-GW	2858	A21	6163	\$1,130	\$800
SyncMirror-GW	2858	A21	6166	\$0	\$0
SnapValidator-GW	2858	A21	6167	\$59	\$41
FCP Protocol-GW	2858	A21	6168	\$350	\$250
SnapMgr for Exchng-Filer-GW	2858	A21	6170	\$470	\$330
SnapMgr for SQL - Filer-GW	2858	A21	6171	\$470	\$330
NearStore - GW	2858	A21	6172	\$63	\$45
iSCSI Protocol-GW	2858	A21	6175	\$0	\$0
SnapMirror SnapVault Bnd-GW	2858	A21	6179	\$1,410	\$1,010
FlexCache for NFS-GW	2858	A21	6180	\$0	\$0
SnapManager SAP-Filer-GW	2858	A21	6188	\$8,040	\$5,790
SnapManager Oracle-Filer-GW	2858	A21	6189	\$6,430	\$4,630
SnapManager VI-Filer-GW	2858	A21	6198	\$240	\$168
SnapManager ShPnt-Filer-GW	2858	A21	6199	\$400	\$280
SnapDrive for AIX - 1-2 CPUs	2858	A10	8000	\$11	\$9
SnapDrive for AIX - 1-2 CPUs	2858	A20	8000	\$11	\$9
SnapDrive for AIX - 1-2 CPUs	2858	A11	8000	\$11	\$9

SnapDrive for AIX - 1-2 CPUs	2858	A21	8000	\$11	\$9
SnapDrive for AIX - 3-4 CPUs	2858	A10	8001	\$24	\$16
SnapDrive for AIX - 3-4 CPUs	2858	A20	8001	\$24	\$16
SnapDrive for AIX - 3-4 CPUs	2858	A11	8001	\$24	\$16
SnapDrive for AIX - 3-4 CPUs	2858	A21	8001	\$24	\$16
SnapDrive for AIX - 5-8 CPUs	2858	A10	8002	\$39	\$28
SnapDrive for AIX - 5-8 CPUs	2858	A20	8002	\$39	\$28
SnapDrive for AIX - 5-8 CPUs	2858	A11	8002	\$39	\$28
SnapDrive for AIX - 5-8 CPUs	2858	A21	8002	\$39	\$28
SnapDrive for AIX - 9+ CPUs	2858	A10	8003	\$63	\$45
SnapDrive for AIX - 9+ CPUs	2858	A20	8003	\$63	\$45
SnapDrive for AIX - 9+ CPUs	2858	A11	8003	\$63	\$45
SnapDrive for AIX - 9+ CPUs	2858	A21	8003	\$63	\$45
SnapDrive for HPUX - 1-2 CPUs	2858	A10	8004	\$11	\$9
SnapDrive for HPUX - 1-2 CPUs	2858	A20	8004	\$11	\$9
SnapDrive for HPUX - 1-2 CPUs	2858	A11	8004	\$11	\$9
SnapDrive for HPUX - 1-2 CPUs	2858	A21	8004	\$11	\$9
SnapDrive for HPUX - 3-4 CPUs	2858	A10	8005	\$24	\$16
SnapDrive for HPUX - 3-4 CPUs	2858	A20	8005	\$24	\$16
SnapDrive for HPUX - 3-4 CPUs	2858	A11	8005	\$24	\$16
SnapDrive for HPUX - 3-4 CPUs	2858	A21	8005	\$24	\$16
SnapDrive for HPUX - 5-8 CPUs	2858	A10	8006	\$39	\$28
SnapDrive for HPUX - 5-8 CPUs	2858	A20	8006	\$39	\$28

SnapDrive for HPUX - 5-8 CPUs	2858	A11	8006	\$39	\$28
SnapDrive for HPUX - 5-8 CPUs	2858	A21	8006	\$39	\$28
SnapDrive for HPUX - 9+ CPUs	2858	A10	8007	\$63	\$45
SnapDrive for HPUX - 9+ CPUs	2858	A20	8007	\$63	\$45
SnapDrive for HPUX - 9+ CPUs	2858	A11	8007	\$63	\$45
SnapDrive for HPUX - 9+ CPUs	2858	A21	8007	\$63	\$45
SnapDrive-Solaris - 1-2 CPUs	2858	A10	8008	\$11	\$9
SnapDrive-Solaris - 1-2 CPUs	2858	A20	8008	\$11	\$9
SnapDrive-Solaris - 1-2 CPUs	2858	A11	8008	\$11	\$9
SnapDrive-Solaris - 1-2 CPUs	2858	A21	8008	\$11	\$9
SnapDrive-Solaris - 3-4 CPUs	2858	A10	8009	\$24	\$16
SnapDrive-Solaris - 3-4 CPUs	2858	A20	8009	\$24	\$16
SnapDrive-Solaris - 3-4 CPUs	2858	A11	8009	\$24	\$16
SnapDrive-Solaris - 3-4 CPUs	2858	A21	8009	\$24	\$16
SnapDrive-Solaris - 5-8 CPUs	2858	A10	8010	\$39	\$28
SnapDrive-Solaris - 5-8 CPUs	2858	A20	8010	\$39	\$28
SnapDrive-Solaris - 5-8 CPUs	2858	A11	8010	\$39	\$28
SnapDrive-Solaris - 5-8 CPUs	2858	A21	8010	\$39	\$28
SnapDrive-Solaris - 9 +CPUs	2858	A10	8011	\$63	\$45
SnapDrive-Solaris - 9 +CPUs	2858	A20	8011	\$63	\$45
SnapDrive-Solaris - 9 +CPUs	2858	A11	8011	\$63	\$45
SnapDrive-Solaris - 9 +CPUs	2858	A21	8011	\$63	\$45
SnapDrive - Linux - 1-2 CPUs	2858	A10	8020	\$11	\$9

SnapDrive - Linux - 1-2 CPUs	2858	A20	8020	\$11	\$9
SnapDrive - Linux - 1-2 CPUs	2858	A11	8020	\$11	\$9
SnapDrive - Linux - 1-2 CPUs	2858	A21	8020	\$11	\$9
SnapDrive- Linux - 3-4 CPUs	2858	A10	8021	\$24	\$16
SnapDrive- Linux - 3-4 CPUs	2858	A20	8021	\$24	\$16
SnapDrive- Linux - 3-4 CPUs	2858	A11	8021	\$24	\$16
SnapDrive- Linux - 3-4 CPUs	2858	A21	8021	\$24	\$16
SnapDrive- Linux - 5-8 CPUs	2858	A10	8022	\$39	\$28
SnapDrive- Linux - 5-8 CPUs	2858	A20	8022	\$39	\$28
SnapDrive- Linux - 5-8 CPUs	2858	A11	8022	\$39	\$28
SnapDrive- Linux - 5-8 CPUs	2858	A21	8022	\$39	\$28
SnapDrive - Linux - 9+ CPUs	2858	A10	8023	\$63	\$45
SnapDrive - Linux - 9+ CPUs	2858	A20	8023	\$63	\$45
SnapDrive - Linux - 9+ CPUs	2858	A11	8023	\$63	\$45
SnapDrive - Linux - 9+ CPUs	2858	A21	8023	\$63	\$45
SnapDrive for UNIX Media K	2858	A10	8040	\$0	\$0
SnapDrive for UNIX Media K	2858	A20	8040	\$0	\$0
SnapDrive for UNIX Media K	2858	A11	8040	\$0	\$0
SnapDrive for UNIX Media K	2858	A21	8040	\$0	\$0
SnapDrive for Windows	2858	A10	8050	\$5	\$4
SnapDrive for Windows	2858	A20	8050	\$5	\$4
SnapDrive for Windows	2858	A11	8050	\$5	\$4
SnapDrive for Windows	2858	A21	8050	\$5	\$4

SnapDrive Win Media Kit	2858	A10	8051	\$0	\$0
SnapDrive Win Media Kit	2858	A20	8051	\$0	\$0
SnapDrive Win Media Kit	2858	A11	8051	\$0	\$0
SnapDrive Win Media Kit	2858	A21	8051	\$0	\$0
ONTAP DSM for Windows MPIO	2858	A10	8052	\$9	\$6
ONTAP DSM for Windows MPIO	2858	A20	8052	\$9	\$6
ONTAP DSM for Windows MPIO	2858	A11	8052	\$9	\$6
ONTAP DSM for Windows MPIO	2858	A21	8052	\$9	\$6
ONTAP DSM Win MPIO Med Kit	2858	A10	8053	\$0	\$0
ONTAP DSM Win MPIO Med Kit	2858	A20	8053	\$0	\$0
ONTAP DSM Win MPIO Med Kit	2858	A11	8053	\$0	\$0
ONTAP DSM Win MPIO Med Kit	2858	A21	8053	\$0	\$0
FCP Host Attach Kit - Win	2858	A10	8100	\$0	\$0
FCP Host Attach Kit - Win	2858	A20	8100	\$0	\$0
FCP Host Attach Kit - Win	2858	A11	8100	\$0	\$0
FCP Host Attach Kit - Win	2858	A21	8100	\$0	\$0
Base FCP Host Attach Kit - AIX	2858	A10	8110	\$0	\$0
Base FCP Host Attach Kit - AIX	2858	A20	8110	\$0	\$0
Base FCP Host Attach Kit - AIX	2858	A11	8110	\$0	\$0
Base FCP Host Attach Kit - AIX	2858	A21	8110	\$0	\$0
	2858	A10	8120	\$0	\$0

FCP Host Attach Kit - Linu					
FCP Host Attach Kit - Linu	2858	A20	8120	\$0	\$0
FCP Host Attach Kit - Linu	2858	A11	8120	\$0	\$0
FCP Host Attach Kit - Linu	2858	A21	8120	\$0	\$0
FCP Host Attach Kit - HPUX	2858	A10	8121	\$0	\$0
FCP Host Attach Kit - HPUX	2858	A20	8121	\$0	\$0
FCP Host Attach Kit - HPUX	2858	A11	8121	\$0	\$0
FCP Host Attach Kit - HPUX	2858	A21	8121	\$0	\$0
FCP Host Attach Kit - Solari	2858	A10	8122	\$0	\$0
FCP Host Attach Kit - Solari	2858	A20	8122	\$0	\$0
FCP Host Attach Kit - Solari	2858	A11	8122	\$0	\$0
FCP Host Attach Kit - Solari	2858	A21	8122	\$0	\$0
FCP Host Utilities - VMWar	2858	A10	8123	\$0	\$0
FCP Host Utilities - VMWar	2858	A20	8123	\$0	\$0
FCP Host Utilities - VMWar	2858	A11	8123	\$0	\$0
FCP Host Utilities - VMWar	2858	A21	8123	\$0	\$0
SnapManager/ Oracle - WIN	2858	A10	8129	\$76	\$55
SnapManager/ Oracle - WIN	2858	A20	8129	\$76	\$55
SnapManager/ Oracle - WIN	2858	A11	8129	\$76	\$55
SnapManager/ Oracle - WIN	2858	A21	8129	\$76	\$55
SnapMgr / Exchange-Host	2858	A10	8131	\$59	\$41
SnapMgr / Exchange-Host	2858	A20	8131	\$59	\$41
SnapMgr / Exchange-Host	2858	A11	8131	\$59	\$41

SnapMgr / Exchange-Host	2858	A21	8131	\$59	\$41
SnapMgr/ Exchange-Med Kit	2858	A10	8132	\$0	\$0
SnapMgr/ Exchange-Med Kit	2858	A20	8132	\$0	\$0
SnapMgr/ Exchange-Med Kit	2858	A11	8132	\$0	\$0
SnapMgr/ Exchange-Med Kit	2858	A21	8132	\$0	\$0
SnapManager VI - Host	2858	A10	8133	\$18	\$13
SnapManager VI - Host	2858	A20	8133	\$18	\$13
SnapManager VI - Host	2858	A11	8133	\$18	\$13
SnapManager VI - Host	2858	A21	8133	\$18	\$13
SnapManager VI - Media Kit	2858	A10	8134	\$0	\$0
SnapManager VI - Media Kit	2858	A20	8134	\$0	\$0
SnapManager VI - Media Kit	2858	A11	8134	\$0	\$0
SnapManager VI - Media Kit	2858	A21	8134	\$0	\$0
SnapManager/ SQL - Host lic	2858	A10	8141	\$59	\$41
SnapManager/ SQL - Host lic	2858	A20	8141	\$59	\$41
SnapManager/ SQL - Host lic	2858	A11	8141	\$59	\$41
SnapManager/ SQL - Host lic	2858	A21	8141	\$59	\$41
SnapMgr for SQL-Media Kit	2858	A10	8142	\$0	\$0
SnapMgr for SQL-Media Kit	2858	A20	8142	\$0	\$0
SnapMgr for SQL-Media Kit	2858	A11	8142	\$0	\$0
SnapMgr for SQL-Media Kit	2858	A21	8142	\$0	\$0
SnapManager for Oracle	2858	A10	8143	\$20	\$14
SnapManager for Oracle	2858	A20	8143	\$20	\$14
SnapManager for Oracle	2858	A11	8143	\$20	\$14
SnapManager for Oracle	2858	A21	8143	\$20	\$14
	2858	A10	8144	\$0	\$0

SnapMgr for Oracle - Media Kit					
SnapMgr for Oracle - Media Kit	2858	A20	8144	\$0	\$0
SnapMgr for Oracle - Media Kit	2858	A11	8144	\$0	\$0
SnapMgr for Oracle - Media Kit	2858	A21	8144	\$0	\$0
SnapManager for SAP	2858	A10	8145	\$25	\$18
SnapManager for SAP	2858	A20	8145	\$25	\$18
SnapManager for SAP	2858	A11	8145	\$25	\$18
SnapManager for SAP	2858	A21	8145	\$25	\$18
SnapMgr for SAP - Media Kit	2858	A10	8146	\$0	\$0
SnapMgr for SAP - Media Kit	2858	A20	8146	\$0	\$0
SnapMgr for SAP - Media Kit	2858	A11	8146	\$0	\$0
SnapMgr for SAP - Media Kit	2858	A21	8146	\$0	\$0
SnapMgr for Sharepoint	2858	A10	8147	\$50	\$36
SnapMgr for Sharepoint	2858	A20	8147	\$50	\$36
SnapMgr for Sharepoint	2858	A11	8147	\$50	\$36
SnapMgr for Sharepoint	2858	A21	8147	\$50	\$36
SnapMgr Sharepoint- Med Kit	2858	A10	8148	\$0	\$0
SnapMgr Sharepoint- Med Kit	2858	A20	8148	\$0	\$0
SnapMgr Sharepoint- Med Kit	2858	A11	8148	\$0	\$0
SnapMgr Sharepoint- Med Kit	2858	A21	8148	\$0	\$0
SM SharePoint Mgmt. Bundle	2858	A10	8149	\$1,410	\$1,010
SM SharePoint Mgmt. Bundle	2858	A20	8149	\$1,410	\$1,010
SM SharePoint Mgmt. Bundle	2858	A11	8149	\$1,410	\$1,010
SM SharePoint Mgmt. Bundle	2858	A21	8149	\$1,410	\$1,010

SM SharePoint Mgmt. Bundle					
Single Mbox Recovery - 100pk	2858	A10	8150	\$15	\$11
Single Mbox Recovery - 100pk	2858	A20	8150	\$15	\$11
Single Mbox Recovery - 100pk	2858	A11	8150	\$15	\$11
Single Mbox Recovery - 100pk	2858	A21	8150	\$15	\$11
Single Mbox Recovery - 500pk	2858	A10	8151	\$33	\$24
Single Mbox Recovery - 500pk	2858	A20	8151	\$33	\$24
Single Mbox Recovery - 500pk	2858	A11	8151	\$33	\$24
Single Mbox Recovery - 500pk	2858	A21	8151	\$33	\$24
Single Mbox Recovery - 1000pk	2858	A10	8152	\$51	\$38
Single Mbox Recovery - 1000pk	2858	A20	8152	\$51	\$38
Single Mbox Recovery - 1000pk	2858	A11	8152	\$51	\$38
Single Mbox Recovery - 1000pk	2858	A21	8152	\$51	\$38
Single Mbox Recovery,2500pk	2858	A10	8153	\$105	\$75
Single Mbox Recovery,2500pk	2858	A20	8153	\$105	\$75
Single Mbox Recovery,2500pk	2858	A11	8153	\$105	\$75
Single Mbox Recovery,2500pk	2858	A21	8153	\$105	\$75
Single Mbox Recovery,5000pk	2858	A10	8154	\$171	\$123
Single Mbox Recovery,5000pk	2858	A20	8154	\$171	\$123

Single Mbox Recovery,5000pk	2858	A11	8154	\$171	\$123
Single Mbox Recovery,5000pk	2858	A21	8154	\$171	\$123
Single Mbox Recovery,10000pk	2858	A10	8155	\$290	\$210
Single Mbox Recovery,10000pk	2858	A20	8155	\$290	\$210
Single Mbox Recovery,10000pk	2858	A11	8155	\$290	\$210
Single Mbox Recovery,10000pk	2858	A21	8155	\$290	\$210
Single Mbox Recovery,50000pk	2858	A10	8156	\$1,430	\$1,020
Single Mbox Recovery,50000pk	2858	A20	8156	\$1,430	\$1,020
Single Mbox Recovery,50000pk	2858	A11	8156	\$1,430	\$1,020
Single Mbox Recovery,50000pk	2858	A21	8156	\$1,430	\$1,020
Single Mailbox Rec - Med Kit	2858	A10	8157	\$0	\$0
Single Mailbox Rec - Med Kit	2858	A20	8157	\$0	\$0
Single Mailbox Rec - Med Kit	2858	A11	8157	\$0	\$0
Single Mailbox Rec - Med Kit	2858	A21	8157	\$0	\$0
SMBR - CA-ARCSERVE ExtWiz	2858	A10	8158	\$5	\$4
SMBR - CA-ARCSERVE ExtWiz	2858	A20	8158	\$5	\$4
SMBR - CA-ARCSERVE ExtWiz	2858	A11	8158	\$5	\$4
SMBR - CA-ARCSERVE ExtWiz	2858	A21	8158	\$5	\$4
SMBR - Tivoli Tape Extr Wizard	2858	A10	8159	\$5	\$4
SMBR - Tivoli Tape Extr Wizard	2858	A20	8159	\$5	\$4
	2858	A11	8159	\$5	\$4

SMBR - Tivoli Tape Extr Wizard					
SMBR - Tivoli Tape Extr Wizard	2858	A21	8159	\$5	\$4
SMBR - Legato Tape Ext Wizard	2858	A10	8160	\$5	\$4
SMBR - Legato Tape Ext Wizard	2858	A20	8160	\$5	\$4
SMBR - Legato Tape Ext Wizard	2858	A11	8160	\$5	\$4
SMBR - Legato Tape Ext Wizard	2858	A21	8160	\$5	\$4
SMBR - NetBackup Extr Wizard	2858	A10	8161	\$5	\$4
SMBR - NetBackup Extr Wizard	2858	A20	8161	\$5	\$4
SMBR - NetBackup Extr Wizard	2858	A11	8161	\$5	\$4
SMBR - NetBackup Extr Wizard	2858	A21	8161	\$5	\$4
SMBR - PST Tape Extr Wizard	2858	A10	8162	\$8	\$5
SMBR - PST Tape Extr Wizard	2858	A20	8162	\$8	\$5
SMBR - PST Tape Extr Wizard	2858	A11	8162	\$8	\$5
SMBR - PST Tape Extr Wizard	2858	A21	8162	\$8	\$5
SMBR - HP Extract Wizard	2858	A10	8163	\$5	\$4
SMBR - HP Extract Wizard	2858	A20	8163	\$5	\$4
SMBR - HP Extract Wizard	2858	A11	8163	\$5	\$4
SMBR - HP Extract Wizard	2858	A21	8163	\$5	\$4
SMBR - Extr Wiz Commvault Glxy	2858	A10	8164	\$5	\$4
SMBR - Extr Wiz Commvault Glxy	2858	A20	8164	\$5	\$4
SMBR - Extr Wiz	2858	A11	8164	\$5	\$4

Commvault Glxy					
SMBR - Extr Wiz Commvault Glxy	2858	A21	8164	\$5	\$4
SMBR - Extract Wizard UltraBac	2858	A10	8165	\$5	\$4
SMBR - Extract Wizard UltraBac	2858	A20	8165	\$5	\$4
SMBR - Extract Wizard UltraBac	2858	A11	8165	\$5	\$4
SMBR - Extract Wizard UltraBac	2858	A21	8165	\$5	\$4
SMBR - Agent for Adv Searching	2858	A10	8166	\$5	\$4
SMBR - Agent for Adv Searching	2858	A20	8166	\$5	\$4
SMBR - Agent for Adv Searching	2858	A11	8166	\$5	\$4
SMBR - Agent for Adv Searching	2858	A21	8166	\$5	\$4
SMBR - Content Analysis Wizard	2858	A10	8167	\$0	\$0
SMBR - Content Analysis Wizard	2858	A20	8167	\$0	\$0
SMBR - Content Analysis Wizard	2858	A11	8167	\$0	\$0
SMBR - Content Analysis Wizard	2858	A21	8167	\$0	\$0
SMBR Administrative Server	2858	A10	8168	\$25	\$19
SMBR Administrative Server	2858	A20	8168	\$25	\$19
SMBR Administrative Server	2858	A11	8168	\$25	\$19
SMBR Administrative Server	2858	A21	8168	\$25	\$19
Open Sys SnapVault Media Kit	2858	A10	8200	\$0	\$0

Open Sys SnapVault Media Kit	2858	A20	8200	\$0	\$0
Open Sys SnapVault Media Kit	2858	A11	8200	\$0	\$0
Open Sys SnapVault Media Kit	2858	A21	8200	\$0	\$0
OSSV Windows for Gateways	2858	A10	8201	\$6	\$4
OSSV Windows for Gateways	2858	A20	8201	\$6	\$4
OSSV Windows for Gateways	2858	A11	8201	\$6	\$4
OSSV Windows for Gateways	2858	A21	8201	\$6	\$4
OSSV Windows for Filers	2858	A10	8202	\$6	\$4
OSSV Windows for Filers	2858	A20	8202	\$6	\$4
OSSV Windows for Filers	2858	A11	8202	\$6	\$4
OSSV Windows for Filers	2858	A21	8202	\$6	\$4
OSSV Linux for Gateways	2858	A10	8203	\$6	\$4
OSSV Linux for Gateways	2858	A20	8203	\$6	\$4
OSSV Linux for Gateways	2858	A11	8203	\$6	\$4
OSSV Linux for Gateways	2858	A21	8203	\$6	\$4
OSSV Linux for Filers	2858	A10	8204	\$6	\$4
OSSV Linux for Filers	2858	A20	8204	\$6	\$4
OSSV Linux for Filers	2858	A11	8204	\$6	\$4
OSSV Linux for Filers	2858	A21	8204	\$6	\$4
OSSV OFM for Gateways	2858	A10	8205	\$6	\$4
OSSV OFM for Gateways	2858	A20	8205	\$6	\$4
	2858	A11	8205	\$6	\$4

OSSV OFM for Gateways					
OSSV OFM for Gateways	2858	A21	8205	\$6	\$4
OSSV OFM for Filers	2858	A10	8206	\$6	\$4
OSSV OFM for Filers	2858	A20	8206	\$6	\$4
OSSV OFM for Filers	2858	A11	8206	\$6	\$4
OSSV OFM for Filers	2858	A21	8206	\$6	\$4
OSSV UNIX for Gateways	2858	A10	8207	\$18	\$13
OSSV UNIX for Gateways	2858	A20	8207	\$18	\$13
OSSV UNIX for Gateways	2858	A11	8207	\$18	\$13
OSSV UNIX for Gateways	2858	A21	8207	\$18	\$13
OSSV UNIX for Filers	2858	A10	8208	\$18	\$13
OSSV UNIX for Filers	2858	A20	8208	\$18	\$13
OSSV UNIX for Filers	2858	A11	8208	\$18	\$13
OSSV UNIX for Filers	2858	A21	8208	\$18	\$13
OSSV VMWare for Gateways	2858	A10	8209	\$18	\$13
OSSV VMWare for Gateways	2858	A20	8209	\$18	\$13
OSSV VMWare for Gateways	2858	A11	8209	\$18	\$13
OSSV VMWare for Gateways	2858	A21	8209	\$18	\$13
OSSV VMWare for Filers	2858	A10	8210	\$18	\$13
OSSV VMWare for Filers	2858	A20	8210	\$18	\$13
OSSV VMWare for Filers	2858	A11	8210	\$18	\$13
OSSV VMWare for Filers	2858	A21	8210	\$18	\$13

OSSV VMWare for Filers					
DFM Server License	2858	A10	8255	\$51	\$36
DFM Server License	2858	A20	8255	\$51	\$36
DFM Server License	2858	A11	8255	\$51	\$36
DFM Server License	2858	A21	8255	\$51	\$36
Op Mg Store Resource Mgmt	2858	A10	8257	\$79	\$56
Op Mg Store Resource Mgmt	2858	A20	8257	\$79	\$56
Op Mg Store Resource Mgmt	2858	A11	8257	\$79	\$56
Op Mg Store Resource Mgmt	2858	A21	8257	\$79	\$56
Operations Manager Media K	2858	A10	8258	\$0	\$0
Operations Manager Media K	2858	A20	8258	\$0	\$0
Operations Manager Media K	2858	A11	8258	\$0	\$0
Operations Manager Media K	2858	A21	8258	\$0	\$0
Ops Mgr Tier 1 Core Licens	2858	A10	8261	\$0	\$0
Ops Mgr Tier 1 Core Licens	2858	A20	8261	\$0	\$0
Ops Mgr Tier 1 Core Licens	2858	A11	8261	\$0	\$0
Ops Mgr Tier 1 Core Licens	2858	A21	8261	\$0	\$0
Ops Mgr Tier 2 Core Licens	2858	A10	8262	\$9	\$6
Ops Mgr Tier 2 Core Licens	2858	A20	8262	\$9	\$6
Ops Mgr Tier 2 Core Licens	2858	A11	8262	\$9	\$6
Ops Mgr Tier 2 Core Licens	2858	A21	8262	\$9	\$6
	2858	A10	8263	\$14	\$10

Ops Mgr Tier 3 Core Licens					
Ops Mgr Tier 3 Core Licens	2858	A20	8263	\$14	\$10
Ops Mgr Tier 3 Core Licens	2858	A11	8263	\$14	\$10
Ops Mgr Tier 3 Core Licens	2858	A21	8263	\$14	\$10
Ops Mgr Tier 4 Core Licens	2858	A10	8264	\$19	\$14
Ops Mgr Tier 4 Core Licens	2858	A20	8264	\$19	\$14
Ops Mgr Tier 4 Core Licens	2858	A11	8264	\$19	\$14
Ops Mgr Tier 4 Core Licens	2858	A21	8264	\$19	\$14
Ops Mgr Tier 5 Core Licens	2858	A10	8265	\$20	\$15
Ops Mgr Tier 5 Core Licens	2858	A20	8265	\$20	\$15
Ops Mgr Tier 5 Core Licens	2858	A11	8265	\$20	\$15
Ops Mgr Tier 5 Core Licens	2858	A21	8265	\$20	\$15
Ops Mgr Tier 6 Core Licens	2858	A10	8266	\$30	\$21
Ops Mgr Tier 6 Core Licens	2858	A20	8266	\$30	\$21
Ops Mgr Tier 6 Core Licens	2858	A11	8266	\$30	\$21
Ops Mgr Tier 6 Core Licens	2858	A21	8266	\$30	\$21
Ops Mgr Tier 7 Core Licens	2858	A10	8267	\$31	\$23
Ops Mgr Tier 7 Core Licens	2858	A20	8267	\$31	\$23
Ops Mgr Tier 7 Core Licens	2858	A11	8267	\$31	\$23
Ops Mgr Tier 7 Core Licens	2858	A21	8267	\$31	\$23
Protect Mgr Tier 1 License	2858	A10	8268	\$8	\$5
Protect Mgr Tier 1 License	2858	A20	8268	\$8	\$5
Protect Mgr Tier 1 License	2858	A11	8268	\$8	\$5

Protect Mgr Tier 1 License	2858	A21	8268	\$8	\$5
Protect Mgr Tier 2 License	2858	A10	8269	\$24	\$16
Protect Mgr Tier 2 License	2858	A20	8269	\$24	\$16
Protect Mgr Tier 2 License	2858	A11	8269	\$24	\$16
Protect Mgr Tier 2 License	2858	A21	8269	\$24	\$16
Protect Mgr Tier 3 License	2858	A10	8270	\$39	\$28
Protect Mgr Tier 3 License	2858	A20	8270	\$39	\$28
Protect Mgr Tier 3 License	2858	A11	8270	\$39	\$28
Protect Mgr Tier 3 License	2858	A21	8270	\$39	\$28
Protect Mgr Tier 4 License	2858	A10	8271	\$48	\$34
Protect Mgr Tier 4 License	2858	A20	8271	\$48	\$34
Protect Mgr Tier 4 License	2858	A11	8271	\$48	\$34
Protect Mgr Tier 4 License	2858	A21	8271	\$48	\$34
Protect Mgr Tier 5 License	2858	A10	8272	\$63	\$45
Protect Mgr Tier 5 License	2858	A20	8272	\$63	\$45
Protect Mgr Tier 5 License	2858	A11	8272	\$63	\$45
Protect Mgr Tier 5 License	2858	A21	8272	\$63	\$45
Protect Mgr Tier 6 License	2858	A10	8273	\$79	\$56
Protect Mgr Tier 6 License	2858	A20	8273	\$79	\$56
Protect Mgr Tier 6 License	2858	A11	8273	\$79	\$56
Protect Mgr Tier 6 License	2858	A21	8273	\$79	\$56
Protect Mgr Tier 7 License	2858	A10	8274	\$79	\$56
Protect Mgr Tier 7 License	2858	A20	8274	\$79	\$56

Protect Mgr Tier 7 License	2858	A11	8274	\$79	\$56
Protect Mgr Tier 7 License	2858	A21	8274	\$79	\$56
Provisioning Mgr. tier 1	2858	A10	8275	\$51	\$36
Provisioning Mgr. tier 1	2858	A20	8275	\$51	\$36
Provisioning Mgr. tier 1	2858	A11	8275	\$51	\$36
Provisioning Mgr. tier 1	2858	A21	8275	\$51	\$36
Provisioning Mgr. tier 2	2858	A10	8276	\$113	\$81
Provisioning Mgr. tier 2	2858	A20	8276	\$113	\$81
Provisioning Mgr. tier 2	2858	A11	8276	\$113	\$81
Provisioning Mgr. tier 2	2858	A21	8276	\$113	\$81
Provisioning Mgr. tier 3	2858	A10	8277	\$164	\$118
Provisioning Mgr. tier 3	2858	A20	8277	\$164	\$118
Provisioning Mgr. tier 3	2858	A11	8277	\$164	\$118
Provisioning Mgr. tier 3	2858	A21	8277	\$164	\$118
Provisioning Mgr. tier 4	2858	A10	8278	\$230	\$161
Provisioning Mgr. tier 4	2858	A20	8278	\$230	\$161
Provisioning Mgr. tier 4	2858	A11	8278	\$230	\$161
Provisioning Mgr. tier 4	2858	A21	8278	\$230	\$161
Provisioning Mgr. tier 5	2858	A10	8279	\$250	\$176
Provisioning Mgr. tier 5	2858	A20	8279	\$250	\$176
Provisioning Mgr. tier 5	2858	A11	8279	\$250	\$176
Provisioning Mgr. tier 5	2858	A21	8279	\$250	\$176
Provisioning Mgr. tier 6	2858	A10	8280	\$360	\$260
Provisioning Mgr. tier 6	2858	A20	8280	\$360	\$260
Provisioning Mgr. tier 6	2858	A11	8280	\$360	\$260
Provisioning Mgr. tier 6	2858	A21	8280	\$360	\$260
Provisioning Mgr. tier 7	2858	A10	8281	\$380	\$270
Provisioning Mgr. tier 7	2858	A20	8281	\$380	\$270
Provisioning Mgr. tier 7	2858	A11	8281	\$380	\$270
Provisioning Mgr. tier 7	2858	A21	8281	\$380	\$270
Protection Mgr. DR tier 1	2858	A10	8282	\$0	\$0
	2858	A20	8282	\$0	\$0

Protection Mgr. DR tier 1					
Protection Mgr. DR tier 1	2858	A11	8282	\$0	\$0
Protection Mgr. DR tier 1	2858	A21	8282	\$0	\$0
Protection Mgr. DR tier 2	2858	A10	8283	\$0	\$0
Protection Mgr. DR tier 2	2858	A20	8283	\$0	\$0
Protection Mgr. DR tier 2	2858	A11	8283	\$0	\$0
Protection Mgr. DR tier 2	2858	A21	8283	\$0	\$0
Protection Mgr. DR tier 3	2858	A10	8284	\$0	\$0
Protection Mgr. DR tier 3	2858	A20	8284	\$0	\$0
Protection Mgr. DR tier 3	2858	A11	8284	\$0	\$0
Protection Mgr. DR tier 3	2858	A21	8284	\$0	\$0
Protection Mgr. DR tier 4	2858	A10	8285	\$0	\$0
Protection Mgr. DR tier 4	2858	A20	8285	\$0	\$0
Protection Mgr. DR tier 4	2858	A11	8285	\$0	\$0
Protection Mgr. DR tier 4	2858	A21	8285	\$0	\$0
Protection Mgr. DR tier 5	2858	A10	8286	\$0	\$0
Protection Mgr. DR tier 5	2858	A20	8286	\$0	\$0
Protection Mgr. DR tier 5	2858	A11	8286	\$0	\$0
Protection Mgr. DR tier 5	2858	A21	8286	\$0	\$0
Protection Mgr. DR tier 6	2858	A10	8287	\$0	\$0
Protection Mgr. DR tier 6	2858	A20	8287	\$0	\$0
Protection Mgr. DR tier 6	2858	A11	8287	\$0	\$0
Protection Mgr. DR tier 6	2858	A21	8287	\$0	\$0

Protection Mgr. DR tier 7	2858	A10	8288	\$0	\$0
Protection Mgr. DR tier 7	2858	A20	8288	\$0	\$0
Protection Mgr. DR tier 7	2858	A11	8288	\$0	\$0
Protection Mgr. DR tier 7	2858	A21	8288	\$0	\$0

MODEL CONVERSIONS	FromType	FromModel	ToType	
	2858	A10	2858	\$49,500.00
	2858	A11	2858	\$99,400.00

FEATURE CONVERSIONS

Description	Type	Model	Partnumber	
DataONTAP	2858	A20	285868006850	\$0.00
DataONTAP	2858	A21	285861016201	\$0.00
DataONTAP - GW	2858	A20	285869006950	\$0.00
DataONTAP - GW	2858	A21	285863016401	\$0.00
CIFS	2858	A20	285868017451	\$0.00
CIFS	2858	A21	285874016051	\$0.00
CIFS-GW	2858	A20	285869017551	\$0.00
CIFS-GW	2858	A21	285875016151	\$0.00
HTTP	2858	A20	285868027452	\$0.00
HTTP	2858	A21	285874026052	\$0.00
HTTP-GW	2858	A20	285869027552	\$0.00
HTTP-GW	2858	A21	285875026152	\$0.00
NFS	2858	A20	285868037453	\$0.00
NFS	2858	A21	285874036053	\$0.00
NFS-GW	2858	A20	285869037553	\$0.00
NFS-GW	2858	A21	285875036153	\$0.00
FlexClone	2858	A20	285868057455	\$0.00
FlexClone	2858	A21	285874046055	\$0.00
FlexClone-GW	2858	A20	285869057555	\$0.00
FlexClone-GW	2858	A21	285875046155	\$0.00
MultiStore	2858	A20	285868067456	\$0.00
MultiStore	2858	A21	285874056056	\$0.00
MultiStore-GW	2858	A20	285869067556	\$0.00
MultiStore-GW	2858	A21	285875056156	\$0.00
SnapMirror	2858	A20	285868077457	\$0.00
SnapMirror	2858	A21	285874066057	\$0.00
SnapMirror-GW	2858	A20	285869077557	\$0.00
SnapMirror-GW	2858	A21	285875066157	\$0.00
SnapLock Compliance	2858	A20	285868087458	\$0.00
SnapLock Compliance	2858	A21	285874076058	\$0.00
SnapLock Enterprise	2858	A20	285868097459	\$0.00
SnapLock Enterprise	2858	A21	285874086059	\$0.00
SnapLock Enterprise-GW	2858	A20	285869097559	\$0.00
SnapLock Enterprise-GW	2858	A21	285875076159	\$0.00
SnapMover-GW	2858	A20	285869107560	\$0.00
SnapMover-GW	2858	A21	285875086160	\$0.00

SnapRestore	2858	A20	285868117461	\$0.00
SnapRestore	2858	A21	285874096061	\$0.00
SnapRestore-GW	2858	A20	285869117561	\$0.00
SnapRestore-GW	2858	A21	285875096161	\$0.00
SnapVault Primary	2858	A20	285868127462	\$0.00
SnapVault Primary	2858	A21	285874106062	\$0.00
SnapVault Primary-GW	2858	A20	287069127562	\$0.00
SnapVault Primary-GW	2858	A21	285875106162	\$0.00
SnapVault Secondary	2858	A20	285868137463	\$0.00
SnapVault Secondary	2858	A21	285874116063	\$0.00
SnapVault Secondary-GW	2858	A20	285869137563	\$0.00
SnapVault Secondary-GW	2858	A21	285875116163	\$0.00
SyncMirror	2858	A20	285868167466	\$0.00
SyncMirror	2858	A21	285874146066	\$0.00
SyncMirror-GW	2858	A20	285869167566	\$0.00
SyncMirror-GW	2858	A21	285875146166	\$0.00
SnapValidator	2858	A20	285868187468	\$0.00
SnapValidator	2858	A21	285874166067	\$0.00
SnapValidator- GW	2858	A20	285869187568	\$0.00
SnapValidator- GW	2858	A21	285875166167	\$0.00
FCP Protocol	2858	A20	285868197469	\$0.00
FCP Protocol	2858	A21	285874176068	\$0.00
FCP Protocol- GW	2858	A20	285869197569	\$0.00
FCP Protocol- GW	2858	A21	285875176168	\$0.00
Disk Sanitization	2858	A20	285868207470	\$0.00
Disk Sanitization	2858	A21	285874186069	\$0.00
SnapMgr / Exchng-Filer Lic	2858	A20	285868217471	\$0.00
SnapMgr / Exchng-Filer Lic	2858	A21	285874196070	\$0.00
SnapMgr / Exchng-Filer Lic GW	2858	A20	285869217570	\$0.00
SnapMgr / Exchng-Filer Lic GW	2858	A21	285875186170	\$0.00
SnapMgr /SQL - Filer License	2858	A20	285868227472	\$0.00
SnapMgr /SQL - Filer License	2858	A21	285874206071	\$0.00
SnapMgr /SQL - Filer Lic GW	2858	A20	285869227571	\$0.00
SnapMgr /SQL - Filer Lic GW	2858	A21	285875196171	\$0.00
iSCSI Protocol	2858	A20	285868257475	\$0.00
iSCSI Protocol	2858	A21	285874256075	\$0.00
iSCSI Protocol- GW	2858	A20	285869257575	\$0.00
iSCSI Protocol- GW	2858	A21	285875256175	\$0.00
SnapMirror SnapVault Bnd	2858	A20	285868297479	\$0.00

SnapMirror	2858	A21	285874296079	\$0.00
SnapVault Bnd				
SnapMirror	2858	A20	285869297579	\$0.00
SnapVlt Bnd-GW				
SnapMirror	2858	A21	285875296179	\$0.00
SnapVlt Bnd-GW				
NearStore	2858	A20	285868317481	\$0.00
NearStore	2858	A21	28'5874306072	\$0.00
NearStore-GW	2858	A20	285869317572	\$0.00
NearStore-GW	2858	A21	285875226172	\$0.00
Adv Single Instance Stg	2858	A20	285868327482	\$0.00
Adv Single Instance Stg	2858	A21	285874326082	\$0.00
SnapManager SAP-Filer	2858	A20	285868387488	\$0.00
SnapManager SAP-Filer	2858	A21	285874386088	\$0.00
SnapManager SAP-Filer-GW	2858	A20	285869387588	\$0.00
SnapManager SAP-Filer-GW	2858	A21	285875386188	\$0.00
SnapManager Oracle-Filer	2858	A20	285868397489	\$0.00
SnapManager Oracle-Filer	2858	A21	285874396089	\$0.00
SnapMgr Oracle-Filer-GW	2858	A20	285869397589	\$0.00
SnapMgr Oracle-Filer-GW	2858	A21	285875396189	\$0.00
FlexCache for NFS	2858	A20	285868477497	\$0.00
FlexCache for NFS	2858	A21	285874476080	\$0.00
FlexCache for NFS-GW	2858	A20	285869477597	\$0.00
FlexCache for NFS-GW	2858	A21	285875476180	\$0.00
SnapManager VI-Filer	2858	A20	285868487498	\$0.00
SnapManager VI-Filer	2858	A21	285874486098	\$0.00
SnapManager VI-Filer-GW	2858	A20	285869487598	\$0.00
SnapManager VI-Filer-GW	2858	A21	285875486198	\$0.00
SnapMgr Sharepoint - Filer	2858	A20	285868497499	\$0.00
SnapMgr Sharepoint - Filer	2858	A21	285874496099	\$0.00
SnapManager ShPnt-Filer-GW	2858	A20	285869497599	\$0.00
SnapManager ShPnt-Filer-GW	2858	A21	285875496199	\$0.00

Model conversions

Machine Type 2858 - model conversions

From Model	To Model	Returned Parts
A10	A20	No
A11	A21	No

Maintenance charges: For additional information on maintenance and pricing, contact your IBM Sales Representative or your IBM Business Partner, or call 1-800-IBM-CALL (1-800-426-2255).

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Corrections

(Corrected on September 29, 2008. The original announced prices have been added.)