



Product Bulletin



Product Bulletin FAS/V3100 Series Announcement

Revision History

June 9, 2008 - Initial version

August 4, 2008 - Update announcing support of Data ONTAP® 7.3 features

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

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1. Summary

NetApp is pleased to announce the availability of FAS3100 and V3100 series, new midrange storage systems, for first customer ship.

The FAS3100 series consists of two models, FAS3140 and FAS3170. Similarly, the V3100 series consists of two models, V3140 and V3170. The new FAS/V3100 two-in-a-box design is optimized for the most common midrange configuration. The FAS/V3100 series offers significant improvements in performance and scalability over the existing FAS/V3000 series. With the FAS/V3100 series, the capacity of midrange storage systems now scales up to a maximum of 840TB. In addition, the FAS/V3100 series improves midrange flexibility with an additional PCIe expansion slot in each controller for a total of eight PCIe slots in an active-active configuration.

2. What's New?

The new FAS/V3100 design supports high-availability active-active configurations in a single 6U chassis. The single-chassis design reduces the external cable requirements and simplifies the active-active deployments. Moreover, it enables easy upgrade from a single controller to an active-active configuration; to upgrade, just plug in the new controller.

FAS/V3100 Positioning

The new FAS/V3100 series provides superior performance, storage scalability, and deployment flexibility compared to the existing FAS3000 series and midrange competition. FAS/V3140 platforms are designed to replace FAS/V3040 platforms, and FAS/V3170 platforms will replace FAS/V3070 platforms. FAS3020 customers can choose to purchase the FAS3140, or they might decide that a FAS2050 suits their needs just as well if they want a more affordable system and do not need as much hard drive capacity or performance. The current FAS3000 series will be available for the rest of the 2008 calendar year and beyond. The EOA plans for the

FAS3000 series will be communicated later this year.

The following table lists the FAS/V3100¹ series specifications:

Active-Active	FAS3140	V3140	FAS3170	V3170
Maximum raw capacity	420TB	420TB	840TB	840TB
Maximum disk drives ²	420	420	840	840
V-Series array LUNs	-	420	-	840
Controller architecture	64-bit	64-bit	64-bit	64-bit
Controller form factor	1 or 2 controllers in a single 6U chassis	1 or 2 controllers in a single 6U chassis	1 or 2 controllers in a single 6U chassis	1 or 2 controllers in a single 6U chassis
Memory	8GB	8GB	32GB	32GB
Onboard GbE ports	4	4	4	4
Onboard 4Gb FC ports	8	8	8	8
PCIe IO expansion slots	8	8	8	8
Maximum 4Gb/sec FC ports	40	40	40	40
Maximum Ethernet ports	36			36

Remote Data ONTAP Management Interface

The FAS/V3100 series introduces a dedicated remote Data ONTAP management interface, known as e0M, that enables the segregation of management traffic from the data traffic without requiring a dedicated GigE port. In the FAS/V3100 series, the remote LAN management port provides two Ethernet interfaces, one traditional RLM interface and a second e0M interface. The e0M interface is configured via Data ONTAP and provides 10/100 Base-T connection for Data ONTAP management.

MetroCluster Configuration

The FAS/V3100 series supports both Stretch (nonswitched) and Fabric MetroCluster configurations with two MetroCluster controllers in separate 6U chassis. The FAS/V3100 series requires the FC-VI card to support both Stretch and Fabric MetroCluster; the FC-VI card provides access to NVRAM. The systems must be configured as standalone systems with an extended quantity of two in order to effectively configure an active-active MetroCluster pair. Please refer to the [Quoting](#) section below for links to Quote Tool Bulletins for detailed explanations on quoting Stretch or Fabric MetroCluster for the FAS and V3100 series platforms. Currently, quote tool uses standalone list prices for FAS3100 MetroCluster pricing instead of active-active list prices used for MetroCluster pricing, the next version of quote tool will fix this discrepancy. In the meantime, the pricing discounts can be used to achieve MetroCluster price parity to active-active pricing if required.

MetroCluster Price Adjustment Discounts

For MetroCluster list price parity, discount the quote list price with the given percentages below and then multiply by 2. This is the new list price. Standard discounts can then be applied to the new list price thereafter.

¹ Please see V-Series hardware compatibility matrix for latest hardware and SAN switch connectivity support: http://now.netapp.com/NOW/knowledge/docs/V-Series/supportmatrix/V-Series_SupportMatrix.pdf.

² [NetApp disks are supported in V-Series with Data ONTAP 7.3. The maximum limit includes both disks and LUNs if combined in the same system.](#)

	3140 MC % Discount	3170 MC % Discount
FAS/V3100 Controller	35%	35%

	Name/Description	T4 % Discount (FAS/V3100)	T5 % Discount (FAS/V3100)
CIFS	Windows® Protocol	20%	10%
CFO	Cluster Fail Over	100%	100%
FCP	Fibre Channel Protocol	29%	29%
FLEXCLONE	Flexible Cloning	15%	15%
MCREMOTE	Cluster Remote	20%	20%
MSTORE	MultiStore®	25%	25%
NFS	Network File Services	29%	11%
SME	SnapManager® for Exchange	15%	15%
SMSQL	SnapManager for SQL Server™	15%	15%
SMSQL-SAN	SnapManager-SQL for SAN	x	x
SNAPMIRROR	SnapMirror®	29%	29%
SM-BASE	SnapMirror Base License, 0TB	29%	29%
SM-EXP	SnapMirror 1TB Expansion Lic	50%	50%
SMSVS	SnapMirror/SnapVault Bundle	29%	29%
SNAPLOCK_COM	SnapLock Compliance	10%	10%
SNAPLOCK_ENT	SnapLock Ent Compliance	10%	10%
SRESTORE	SnapRestore®	10%	10%
SVAL	SnapValidator®	25%	25%
SVPRI	SnapVault® Primary	10%	10%
SVSEC	SnapVault Secondary	29%	29%
NearStore Lic	NearStore® License	x	x

FAS and V-Series 3100 part numbers and prices are obtainable via the August 2008 NetApp Price List and Quote Tool. NetApp partners should contact their channel representative or distributor for pricing information.

Single Controller to Active-Active Upgrade Bundle

A single controller FAS3/V100 series system can be upgraded to an active-active controller configuration by adding the second controller in the chassis. The FAS/V3100 series active-active upgrade bundle, consisting of a controller and cluster software license, enables easy upgrading.

Data ONTAP 7.3 Features Supported with August 2008 Quote Tool Release

1. NetApp storage support for V3100 series platforms
2. Concurrent SnapVault Primary and SnapVault Secondary Software licenses
3. Performance Acceleration Module support.
4. 4-port target card support (X1130A-R6) for increased number of FCP targets

Notes:

1. Data ONTAP 7.3 features are mutually exclusive with SnapLock Enterprise and SnapLock Compliance software.
2. Please see section 9, **Additional Information**, below, for links to more information regarding the Data ONTAP 7.3 features supported on FAS and V3100 series systems.

3. Sales Tools (Sales Guides, Training Presentations, SE Presentations)

N/A

4. Customer-Ready Tools (Customer Presentations, Datasheets)

N/A

5. System Requirements

Refer to the NOW™ (NetApp on the Web) site to access and order product documentation:
<http://now.netapp.com/NOW/knowledge/docs/docs.cgi>.

- FAS/V3100 systems require and will be shipped with the Data ONTAP 7.2.5 release.
- Data ONTAP 7.3 is supported on FAS/V3100 systems on July 16.
- DC power version of FAS3100 series is not available at initial release.
- Performance Acceleration Module support on the FAS/V3100 series requires Data ONTAP 7.3.
- For additional V-Series support information, see the V-Series storage array and SAN switch compatibility matrix at <http://now.netapp.com/NOW/knowledge/docs/V-Series/supportmatrix/>.

6. Product Information

The following table lists the base configurations, NICS and adapters, field replaceable units (FRUs), and spares kits for the FAS/V3100 platforms.

FAS3100 Series Base Configurations

Part Number	Description	Discount Category
FAS3170-BASE-R5-C	FAS3170,OS,-C,R5	A
FAS3170A-IB-BASE-R5	FAS3170A,IB,ACT-ACT,OS,R5	A
FAS3170AS-IB-SYS-R5	FAS3170A,IB,ACT-ACT,SAN,OS,R5	A
FAS3170-CHASSIS-R5-C	FAS3170,Chassis,AC PS,-C,R5	A
FAS3170A-CHASSIS-R5-C	FAS3170,ACT-ACT,Chassis,AC PS,-C,R5	A
FAS3140-BASE-R5-C	FAS3140,OS,-C,R5	A
FAS3140A-IB-BASE-R5	FAS3140A,IB,ACT-ACT,OS,R5	A
FAS3140AS-IB-SYS-R5	FAS3140A,IB,ACT-ACT,SAN,OS,R5	A
FAS3140-CHASSIS-R5-C	FAS3140,Chassis,AC PS,-C,R5	A
FAS3140A-CHASSIS-R5-C	FAS3140,ACT-ACT,Chassis,AC PS,-C,R5	A

V3100 Series Base Configurations

Part Number	Description	Discount Category
V3140-CHASSIS-R5-C	V3140,Chassis,AC PS,-C,R5	A
V3140A-CHASSIS-R5-C	V3140,ACT-ACT,Chassis,AC PS,-C,R5	A
V3170-CHASSIS-R5-C	V3170,Chassis,AC PS,-C,R5	A
V3170A-CHASSIS-R5-C	V3170,ACT-ACT,Chassis,AC PS,-C,R5	A
V3140-BASE-R5-C	V3140,OS,-C,R5	A

V3140A-IB-BASE-R5	V3140A,IB,ACT-ACT,OS,R5	A
V3170-BASE-R5-C	V3170,OS,-C,R5	A
V3170A-IB-BASE-R5	V3170A,IB,ACT-ACT,OS,R5	A

FAS and V3100 Series Single Controller to Active-Active Upgrade Configurations

Part Number	Description	Discount Category
FAS3140AUG-BASE-R5	FAS3140A Upgrade Base,OS,CFO,R5	A
FAS3170AUG-BASE-R5	FAS3170A Upgrade Base,OS,CFO,R5	A
V3140AUG-BASE-R5	V3140A Upgrade Base,OS,CFO,R5	A
V3170AUG-BASE-R5	V3170A Upgrade Base,OS,CFO,R5	A

Spares and Field Replaceable Units

Part Number	Description	Discount Category
SK-3140-R5	Kit,Basic Spares,3140	A
SK-3170-R5	Kit,Basic Spares,3170	A
X1846-R6	BTRY,ON BOARD,6-CELL,3.7VDC,NVRAM7,31X0,R6	A
X3187-R5	DIMM,2GB,DDR,ESS, 31XX Series,R5	A
X3210-R5	PCB Assembly,Riser,31X0,R5	A
X3540-R5	Motherboard,No Memory,3140	A
X3541-R5	Motherboard,No Memory,3170	A
X758-R5	PWR Supply, 850W,AC	A
X80063-R6	Bezel,31XX,R6	A
X8533-R5	FAN ASSY,31X0,R5	A
X3188A-R5	DIMM,ECC,512MB,System Memory,NVRAM,R5	A
X3178A-R6	DIMM,2GB,DDR,ESS, ECC,REG,NVRAM,FAS,V,3170,R6	A

Upgrades

Trade-ins or upgrades to the FAS or V-Series 3100 series platform are supported with the June 2008 Quote Tool release.

Downloading

To download software, go to [NOW Download Software](#).

Product Availability

The FAS/V3100 series storage systems will be available to quote in the June 2008 release of the Quote Tool.

The FAS/V3100 storage systems are scheduled to be production released for shipment in June 2008.

7. Regulatory Compliance

Products need to be validated against the NetApp Safety/EMI Regulatory Compliance List prior to order submission. This is required to ensure that products are being sold only in the countries in which NetApp has received regulatory compliance certification.

8. Warranty and Service

The FAS/V3100 series is fully supported through NetApp SupportEdge and ConsultingEdge services. Please check [NetApp Global Services](#) for details about how the NetApp Global Services team can help.

9. Additional Information

Contact Information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.



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495 E. Java Drive, Sunnyvale, CA 94089 USA