



Product Bulletin

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FAS/V3160 Announcement

Revision History

November 3, 2008 - Initial version

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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 FAS3160 and V3160 systems. With this introduction, the FAS/V3100 midrange series, which was launched in June 2008, is now complete. FAS/V3160 will be available in the November Quote Tool and the first customer ship will be November 7, 2008, with Data ONTAP® 7.2.6. FAS/V3160 with Data ONTAP 7.3.1 features will be supported in the February 2009 Quote Tool.

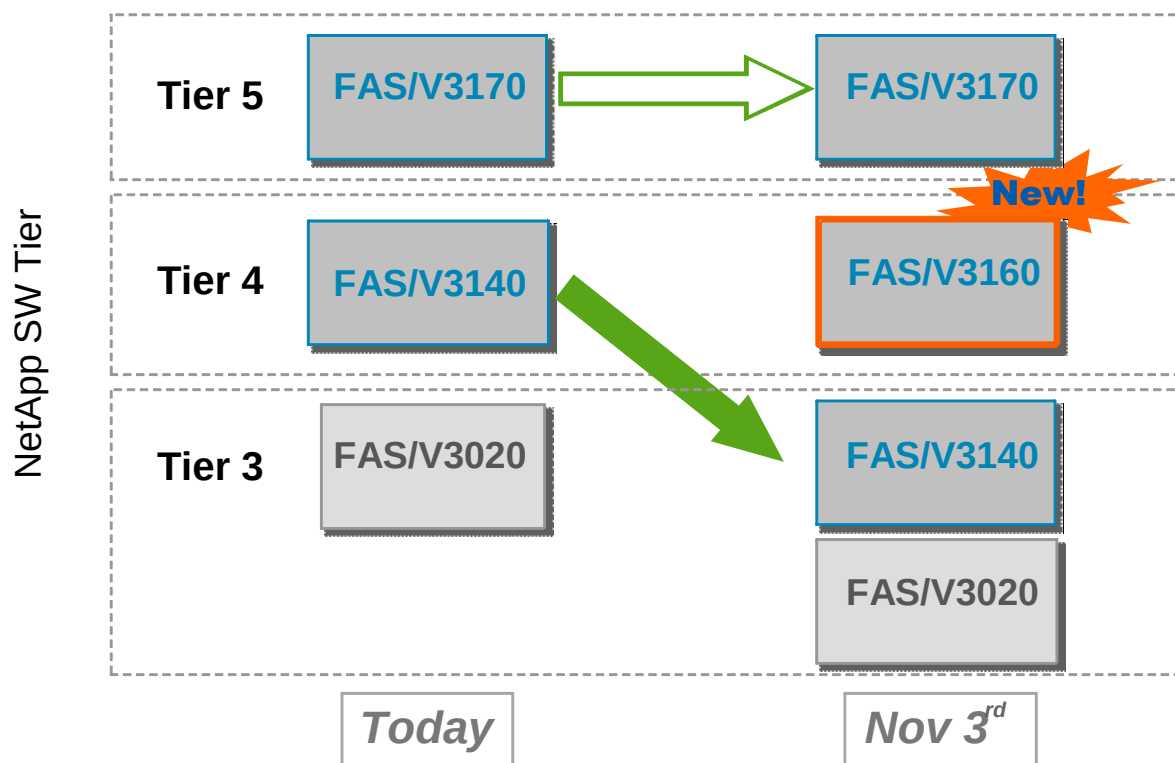
The FAS/V3160 systems have the same two-in-a-box design as the FAS/V3140 and FAS/V3160 systems. The FAS/V3160 systems sit between the FAS/V3140 and the FAS/V3160 systems and have a maximum capacity of 672TB based on 1TB SATA drives and 672 spindles.

2. What's New?

The new FAS/V3160 designs support high-availability active-active configurations in a single 6U chassis. The single-chassis design reduces the external cable requirements and simplifies 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. With the introduction of the FAS/V3160, we now have direct replacement for all three FAS3000 models. FAS/V3140 platforms are now aligned (from a price standpoint) to replace FAS/V3020 platforms, FAS/V3160 platforms will replace FAS/V3140 platforms, and FAS/V3160 platforms will replace FAS/V3070 platforms. The EOA for FAS3000 has been announced with the last order date of March 6, 2009, in the Quote Tool.



The following table lists the FAS/V3100¹ series specifications:

Active-Active	FAS3140	V3140	FAS3160	V3160	FAS3170	V3170
Maximum raw capacity	420TB	420TB	672TB	672TB	840TB	840TB
Maximum disk drives ²	420	420	672	672	840	840
V-Series array LUNs	-	420	-	672	-	840
Controller architecture	64-bit	64-bit	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	1 or 2 controllers in a single 6U chassis	1 or 2 controllers in a single 6U chassis
Memory	8GB	8GB	16GB	16GB	32GB	32GB
Onboard GbE ports	4	4	4	4	4	4
Onboard 4Gb FC ports	8	8	8	8	8	8
PCIe IO expansion slots	8	8	8	8	8	8
Maximum 4Gb/sec FC ports	40	40	40	40	40	40
Maximum Ethernet ports	36	36	36	36	36	36

¹ Please see the V-Series hardware compatibility matrix for the 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.

MetroCluster Configuration

The FAS/V3160 series supports both Stretch (non-switched) 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 FAS/V3100 systems no longer must be configured as standalone systems with an extended quantity of two in order to effectively configure an active-active MetroCluster pair. Quote Tool changes effective with the November 2008 release now allow active-active controllers to be configured in a separate standalone chassis with appropriate active-active controller pricing. A quantity of two system chassis and controllers are output to allow physical separation of the controllers required for Stretch or Fabric MetroCluster configurations. This eliminates the previous pricing penalty associated with having to quote standalone configurations and requiring an extended quantity of two to be selected after configuring the standalone system.

FAS/V3160 part numbers and prices can be obtained via the November 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/V160 system can be upgraded to an active-active controller configuration by adding the second controller in the chassis. The FAS/V3160 active-active upgrade bundle, consisting of a controller and cluster software license, enables easy upgrading.

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/V3160 systems require and will be shipped with the Data ONTAP 7.2.6 release.
- Data ONTAP 7.3.1 will be supported on FAS/V3160 systems in February 2009.
- DC power version of FAS3100 series is not available at initial release.
- Performance Acceleration Module support on the FAS/V3160 series requires Data ONTAP 7.3.1.
- Concurrent SnapVault® Primary and SnapVault Secondary software licenses require Data ONTAP 7.3.1.
- X1130A-R6 target card requires Data ONTAP 7.3.1.
- Disk sanitization and dedupe (A-SIS) software for V3160 requires Data ONTAP 7.3.1.
- NetApp storage support for V3160 requires Data ONTAP 7.3.1.
- 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.

FAS3160 Series Base Configurations

Part Number	Description	Discount Category
FAS3160-BASE-R5-C	FAS3160,OS,-C,R5	A
FAS3160A-IB-BASE-R5	FAS3160A,IB,ACT-ACT,OS,R5	A
FAS3160AS-IB-SYS-R5	FAS3160A,IB,ACT-ACT,SAN,OS,R5	A
FAS3160-CHASSIS-R5-C	FAS3160,Chassis,AC PS,-C,R5	A
FAS3160A-CHASSIS-R5-C	FAS3160,ACT-ACT,Chassis,AC PS,-C,R5	A

V3160 Series Base Configurations

Part Number	Description	Discount Category
V3160-CHASSIS-R5-C	V3160,Chassis,AC PS,-C,R5	A
V3160A-CHASSIS-R5-C	V3160,ACT-ACT,Chassis,AC PS,-C,R5	A
V3160-BASE-R5-C	V3160,OS,-C,R5	A
V3160A-IB-BASE-R5	V3160A,IB,ACT-ACT,OS,R5	A

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

Part Number	Description	Discount Category
FAS3160AUG-BASE-R5	FAS3160A Upgrade Base,OS,CFO,R5	A
V3160AUG-BASE-R5	V3160A Upgrade Base,OS,CFO,R5	A

Spares and Field Replaceable Units

Part Number	Description	Discount Category
SK-3160-R5	Kit,Basic Spares,3160	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
X3542-R5	Motherboard,No Memory,3160	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/V3160 platform are supported with the November 2008 Quote Tool release.

Downloading

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

Product Availability

The FAS/V3160 storage systems will be available to quote in the November 2008 release of the Quote Tool.

The FAS/V3160 storage systems are scheduled to be production released for shipment in November 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/V3160 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.