



Product Bulletin

Brocade Encryption Switch (BES) and Encryption Blade (FS8-18) for DCX Chassis

Revision History

September 15, 2008

Proprietary and confidential. Restricted to NetApp employees and channel partners, each of whom is under NDA obligations. This document may not be shared with customers without prior written permission from NetApp. © Copyright 2008 NetApp, Inc. All rights reserved.

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

1. Summary
2. What's New?
3. Sales Tools
4. Customer-Ready Tools
5. System Requirements
6. Product Information
7. Regulatory Compliance
8. Warranty and Service
9. Additional Information

1. Summary

This product bulletin announces the availability of Brocade Encryption Switch (BES) and Encryption Blade (FS8-18) for the DCX chassis for first customer ship, extending NetApp security offerings in the SAN space.

Both the platforms will support 8Gb/sec Fibre Channel speeds, in addition to being backward compatible with 4Gb/sec, 2Gb/sec, and 1Gb/sec. These switches will run special encryption capable hardware and will require a special software OS (FOS 6.1.1_ENC) to take advantage of it.

2. What's New?

Brocade Encryption Switch and Encryption Blade (FS8-18), will *only* support SAN disk environments for the first release. They will require a key manager (NetApp KM500 appliance) attached to them to store encryption keys and enforce encryption policies. Beyond encryption, these switches will have the same functionality and features available on equivalent Brocade SAN switches.

The switches will be available in base configuration, which will limit the total bandwidth of data that can pass through them. An upgrade license will be available to take advantage of full bandwidth.

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

N/A

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

N/A

5. System Requirements

Supported Platforms

The latest Brocade support statements can be found at the [Brocade Encryption SalesEdge](#) page.

6. Product Information

NetApp has partnered with Brocade to offer a next generation security solution that meets the enterprise needs for scalability and performance. The solution offers two points of integration:

- Encryption format compatibility through NetApp DataFort compatibility mode
- Key management through NetApp OpenKey™ APIs

DataFort compatibility mode: This license enabled mode allows NetApp customers to protect their investment in NetApp security offerings. It offers the use of NetApp's intellectual property on the Brocade encryption switch/blade. The Brocade solution when operated in this mode allows customers to decrypt data (disk or tape) that was encrypted by DataFort. Also, data (disk or tape) encrypted by Brocade can be decrypted by DataFort. This tight integration of technology allows customers to scale their existing deployment of DataFort by adding Brocade solutions to their security infrastructure without having to worry about format compatibility. The customers can continue to use their existing DataFort appliances alongside the new Brocade solution or redeploy them for other application while still maintaining data workflows.

NetApp OpenKey API: Brocade's encrypting fabric products require a key manager such as the NetApp KM500. The KM500 appliance provides advanced key management to Brocade through its secure FIPS 140-2 Level 3 certified hardware. The NetApp key manager is a trusted key manager that provides an extra layer of key protection beyond a traditional opaque key manager. The NetApp OpenKey API will align the solution with the emerging IEEE standards on key management. The joint Brocade and NetApp solution offers secure, end-to-end AES-256 protected key sharing between DataFort and Brocade encrypting fabric or between Brocade fabrics. All of the advanced KM500 key management features that NetApp DataFort customers have come to rely upon can now be leveraged to manage Brocade fabric encryption keys. The joint Brocade fabric encryption and NetApp key management system is the most secure and operationally efficient media encryption solution in the industry.

Part Number	Description	Discount Category Code
SVC-BRCD-ES-NBD	HW Support,BRCD ES ONLY,Parts Delivery,NBD	S
SW-BSWDCX-ENCPRF48-QS	Brocade,DCX 48Gb to 96Gb Encryption License	J
SW-BSWES-ENCPRF32-QS	Brocade ES,48Gb Encryption License	J
X-BES20-0008-R5	Brocade ES,32P,8Gb SW SFP,48Gb Encryption,R5	B
X-FS818-0001-R5	Brocade DCX 16P Encryption Blade w/16 SFP,R5	B
X1843-R6	Brocade Smart Card,10-Pk,R6	B
X1844-R6	Brocade ES Accessory Kit,R6	B
X1899-R5	Brocade ES Power Supply,R5	B

Quoting

The BES and FS8-18 will have the DataFort compatibility license installed by default. A software licenses will need to be purchased separately to avail of its full bandwidth. It is also required to have a KM500 appliance and OpenKey connector license (Tier J, one per each switch) to manage encryption keys generated by the BES and FS8-18 blade. Standard support edge service will be available for the hardware.

Downloading

For downloading software, go to [NOW™ Download Software](#).

Product Availability

The BES and FS8-18 encryption blade will be available to quote from October 16, 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 make sure that products are being sold only in the countries in which NetApp has received regulatory compliance certification.

8. Warranty and Service

Both the switch and the blade will come with Standard SupportEdge service (NBD FRU replacements).

9. Additional Information

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

Go further, faster™

© 2008 NetApp | Subscriptions | Service and Support
495 E. Java Drive, Sunnyvale, CA 94089 USA

© 2008 NetApp. All rights reserved. Specifications are subject to change without notice. NetApp, the NetApp logo, Go further, faster, NOW, and OpenKey are trademarks or registered trademarks of NetApp, Inc. in the United States and/or other countries. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such. **[[NOTE: If doc will be HTML, no legal paragraph necessary.]]**