

FUJITSU Software BS2000 Support for ETERNUS DX8700 S2

August 2012

Release Notice

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# 1 General

This Release Notice is a summary of the major extensions, dependencies and operating information with respect to connections of Fujitsu disk controllers of the ETERNUS<sup>1</sup> DX8700 S2 Family under the BS2000 operating system.

The release level is of: August 2012.

This and further ongoing release notices are contained in the SoftBooks-DVD and available online by <http://manuals.ts.fujitsu.com>.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must also be noted.

The disk controllers ETERNUS DX8700 S2 of the Fujitsu company can be used as peripheral systems in a BS2000 environment.

The functions supported by BS2000 comprise, among conventional I/O functions, the following features (managed and monitored in BS2000 by SHC-OSD):

- Local Replication via Equivalent Copy (EC) and SnapOPC+
- Remote Replication via Remote Equivalent Copy (REC)
- Virtual Provisioning

Additionally, the following release notices have to be taken into account (depending on the installed hardware and software):

S-Servers:

SYSFGM.BS2OSD.090.E  
SYSFGM.BS2OSD.080.E  
SYSFGM.BS2OSD.070.E

SQ- Servers:

SYSFGM.OSDXC.090.E  
SYSFGM.OSDXC.041.E

In case SHC-OSD is used:

SYSFGM.SHC-OSD.090.E

## 1.1 Ordering

The purchase can be ordered via your local distributors or the manufacturer company Fujitsu.

## 1.2 Delivery

Delivery and Installation are carried out by the manufacturer company Fujitsu.

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<sup>1</sup> 'ETERNUS' is a registered trademark of Fujitsu

## 1.3 Documentation

The documentation for the ETERNUS DX8700 S2 disk controller is provided by the supplier Fujitsu.

For information about the use of SHC-OSD, view the release notice SYSFGM.SHC-OSD.090.E.

Information about the connection of an ETERNUS DX8700 S2 disk controller to a BS2000/OSD environment can be obtained by Fujitsu MatrixEP, and by Fujitsu Server Connection Guide V05 (P3AM-5672-05ENZ0).

Special references concerning version levels (ETERNUS DX Firmware, SHC-OSD, StorMan) see Storage Service Bulletins und Release Notes by <https://partners.ts.fujitsu.com/service/ps/Storage/disc/Pages/default.aspx>

## 2 Software-Extensions

### 2.1 Extensions for ETERNUS DX8700 S2 Storage Systems

#### Support of the Storage-System ETERNUS DX8700 S2

SHC-OSD V9.0A supports the Fujitsu Storage-System ETERNUS DX8700 S2 as of  
OSD/BC V7.0B for S-Servers  
OSD/XC V4.0A for SQ Servers  
OSD/XC V3.0B for SX Servers (no SHC-OSD Support for SX-Server).

## 3 Technical Information

### 3.1 Software-Configuration

Support is granted for:

- S-Servers as of BS2000 OSD/BC V7.0B, correction package 1/2012
- SQ-Servers as of OSD/XC V4.0A, correction package 1/2012, X2000 as of V5.2A0802
- SX-Servers as of OSD/XC V3.0B, correction package 1/2012, X2000 as of V4.0A04

The lowest version of the Storage Host component is SHC-OSD V9.0A02.

### 3.2 Discontinued functions (and those to be discontinued)

none

### 3.3 Restrictions

After a voltage breakdown of an ETERNUS DX, Fibre Channel paths on S-Servers might not become ‚available‘ under certain circumstances (command "/>SHOW-DEVICE-CONFIGURATION" reports „N.OP.“). In this situation, the affected Fibre Channels must be detached and subsequently be attached again. VM2000-configurations must use Monitor-VM and parameter SCOPE=\*VM2000-GLOBAL.

For further restrictions please view Release notice SYSFGM.SHC-OSD.090.E.

### **3.4 Procedure in the event of errors**

In case of Hardware- or Firmware-errors, please contact the Fujitsu Service Desk. If a general error occurs in BS2000, please pay attention to the regarding instructions in the BS2000/OSD release notice. In the case of SHC-OSD problems, the necessary error documents for diagnose are described in manual SHC-OSD V090.E.

## **4 Hardware-Requirements**

This GA comprises exclusively Fibre Channel connections.

Connectable BS2000 Servers: S210, S175, S200,S165, S190, S155, SQ210, SQ200, SQ100, SX160, SX100-D.

The supported FC Switches are listed in the release notices of BS2000/OSD.

### **4.1 Special Functions**

In order to use EC, REC, SnapOPC+ with ETERNUS DX8700 S2, the corresponding, BS2000 independent Firmware licenses must be installed in the storage system.

In order to use Thin Provisioning Functionality and/or Automated Storage Tiering (AST), the ETERNUS DX Firmware-License 'Thin Provisioning Feature' is mandatory in the Storage-System.

## **5 Firmware-Levels**

### **5.1 ETERNUS DX8700 S2 Storage-Systems**

Storage Firmware: for BS2000 generally available levels as of V10L25.

### **5.2 Brocade FC-Switches**

An FOS level as of v7.0.0c, released by FTS, has to be used.