



Read Me First

Important Installation Instructions for the McDATA QPM Blade

Sun Microsystems, Inc.
www.sun.com

Part No. 819-6403-10
August 2006, Revision A

Submit comments about this document at: <http://www.sun.com/hwdocs/feedback>

Copyright 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at <http://www.sun.com/patents> and one or more additional patents or pending patent applications in the U.S. and in other countries.

This document and the product to which it pertains are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of the product or of this document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any.

Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, Java, AnswerBook2, docs.sun.com, and Solaris are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and in other countries.

All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and in other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

U.S. Government Rights—Commercial use. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2006 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, Californie 95054, États-Unis. Tous droits réservés.

Sun Microsystems, Inc. possède les droits de propriété intellectuelle relatifs à la technologie décrite dans ce document. En particulier, et sans limitation, ces droits de propriété intellectuelle peuvent inclure un ou plusieurs des brevets américains listés sur le site <http://www.sun.com/patents>, un ou les plusieurs brevets supplémentaires ainsi que les demandes de brevet en attente aux États-Unis et dans d'autres pays.

Ce document et le produit auquel il se rapporte sont protégés par un copyright et distribués sous licences, celles-ci en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a.

Tout logiciel tiers, sa technologie relative aux polices de caractères, comprise, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit peuvent dériver des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux États-Unis et dans d'autres pays, licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, Java, AnswerBook2, docs.sun.com, et Solaris sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux États-Unis et dans d'autres pays.

Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux États-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface utilisateur graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox dans la recherche et le développement du concept des interfaces utilisateur visuelles ou graphiques pour l'industrie informatique. Sun détient une licence non exclusive de Xerox sur l'interface utilisateur graphique Xerox, cette licence couvrant également les licenciés de Sun implémentant les interfaces utilisateur graphiques OPEN LOOK et se conforment en outre aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE "EN L'ÉTAT" ET TOUTES AUTRES CONDITIONS, DÉCLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES DANS LA LIMITE DE LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE À LA QUALITÉ MARCHANDE, À L'APTITUDE À UNE UTILISATION PARTICULIÈRE OU À L'ABSENCE DE CONTREFAÇON.



Please
Recycle



Adobe PostScript

Contents

Upgrading Firmware and Software for the QPM Blade	1
Upgrading to the EOS 9.0 Firmware	2
Upgrading to EFCM 8.9 Software	3
Upgrading from EFCM Lite 7.x to EFCM Lite 8.1 for the Solaris OS	4
Upgrading from EFCM Lite 8.1 to EFCM Lite 8.7 for the Solaris OS	4
Upgrading from EFCM Lite 8.7 for the Solaris OS to EFCM 8.9 for Windows	5
Related Documentation	5
Service Contact Information	6

Important Installation Instructions

This document contains important information about the McDATA QPM installed in Sun™ storage area networks (SANs).

Read this document so that you are aware of issues or requirements that can affect the installation and operation of the McDATA QPM in a Sun SAN.

Note – Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

This document contains the following sections:

- [“Upgrading Firmware and Software for the QPM Blade” on page 5](#)
- [“Upgrading to the EOS 9.0 Firmware” on page 6](#)
- [“Upgrading to EFCM 8.9 Software” on page 7](#)
- [“Related Documentation” on page 9](#)
- [“Service Contact Information” on page 10](#)

Upgrading Firmware and Software for the QPM Blade

The McDATA QPM 4Gb/s Blade for the Intrepid 6140 Director requires EOS 9.0 firmware.

You can use any of the following three methods to manage the 6140 Director:

- Command Line Interface
- Enterprise Fabric Connectivity Manager (EFCM) Basic (formerly known as SANpilot)
- EFCM 8.9

Note – EFCM is not required to manage the 6140 or the QPM 4Gb/s blade. If you have been previously using EFCM and want to use it to manage the QPM 4Gb/s blade, you must install EFCM 8.9 server for Windows.

You may install the EFCM 8.9 client software on the Solaris platform, but the EFCM 8.9 server software is unavailable for Solaris.

The next version of EFCM will again support Solaris as a server platform and will support the QPM 4Gb/s blade. If you want to continue to use a Solaris host to administer your switches, then Sun recommends you use EFCM Basic or CLI to manage the QPM 4Gb/s blade and wait for the next release of EFCM for Solaris.

Caution – This document describes how to migrate from EFCM for Solaris to EFCM 8.9 for Windows. Migrating back to a future EFCM version for Solaris and maintaining the configuration will not be supported. The EFCM configuration data will have to be recreated. **Consider this carefully before choosing to migrate from EFCM 8.x for Solaris to EFCM 8.9 for Windows.**

This document describes two activities:

1. Upgrading to the EOS 9.0 firmware
2. Upgrading to the EFCM 8.9 server for Windows

Note – The EFCM 8.9 Call Home Feature is not supported by Sun. Disregard any instructions to turn on this feature.

Upgrading to the EOS 9.0 Firmware

Note – All switches in the fabric must be upgraded to the EOS 9.0 firmware.

If your 6140 Director is currently running EOS 7.x firmware, follow these steps to upgrade to EOS 9.0 firmware:

1. Upgrade to EOS 8.2 using Sun patch 119554-01.
2. Upgrade from EOS 8.2 to EOS 9.0 using Sun patch 122187-01.

To download these patches, go to SunSolve at <http://sunsolve.sun.com>.

Note – If you are using any EOS prior to 7.x, contact Sun support.

Upgrading to EFCM 8.9 Software

Note – EFCM is not required to manage the 6140 or the QPM 4Gb/s blade. If you have been previously using EFCM and want to use it to manage the QPM 4Gb/s blade, you must install EFCM 8.9 server for Windows.

You may install the EFCM 8.9 client software on the Solaris platform, but the EFCM 8.9 server software is unavailable for Solaris.

The next version of EFCM will again support Solaris as a server platform and will support the QPM 4Gb/s blade. If you want to continue to use a Solaris host to administer your switches, then Sun recommends you use EFCM Basic or CLI to manage the QPM 4Gb/s blade and wait for the next release of EFCM for Solaris.

Caution – This document describes how to migrate from EFCM for Solaris to EFCM 8.9 for Windows. Migrating back to a future EFCM version for Solaris and maintaining the configuration will not be supported. The EFCM configuration data will have to be recreated. **Consider this carefully before choosing to migrate from EFCM 8.x for Solaris to EFCM 8.9 for Windows.**

If you are currently running EFCM Lite 7.x for the Solaris Operating System (OS), and if you are under software maintenance, you will need to obtain one or all of the following upgrades, depending on which version of EFCM Lite you currently have:

- EFCM Serialized upgrade from Solaris 8.07 to Windows 8.09 software, Sun part number 791-4828-01, including the required serial number and license keys.
- EFCM Serialized upgrade from 7.x to version 8.01 software, Sun part number 791-4882-01.
- EFCM Non-serialized upgrade from Solaris 8.x to Windows 8.07 software, Sun part number 791-4829-01.

Note – If you are using any EFCM prior to 7.x, contact Sun support.

Upgrading from EFCM Lite 7.x for the Solaris OS to EFCM 8.9 for Windows involves three software upgrade steps:

1. Upgrading from EFCM Lite 7.x for Solaris to EFCM Lite 8.1 for Solaris.
2. Upgrading from EFCM Lite 8.1 for Solaris to EFCM Lite 8.7 for Solaris.
3. Upgrading from EFCM Lite 8.7 for Solaris to EFCM 8.9 for Windows.

The following sections describe the steps needed for each upgrade.

Note – If you are currently running EFCM 8.x for Solaris, start the upgrade process at [“Upgrading from EFCM Lite 8.1 to EFCM Lite 8.7 for the Solaris OS” on page 8.](#)

Upgrading from EFCM Lite 7.x to EFCM Lite 8.1 for the Solaris OS

1. **Install EFCM Lite 8.1 for the Solaris OS from the CD set.**

Follow the instructions for installing version 8.1 in the *EFC Manager Software Upgrade Instructions Release 8.7* (McDATA part number 958-000336-040). You can download this document from <http://www.mcdata.com>.

2. **Migrate your 7.x database to EFCM 8.1.**

Follow the instructions in the document mentioned in the previous step.

3. **Obtain the Product Feature Enablement (PFE) license key from**
<https://mcdata.getkeys.com>

Enter the serial number from the CD jewel case to get the license.

4. **After the upgrade, verify the integrity of the database by verifying that any customizations to the zone library and user accounts are preserved.**

Upgrading from EFCM Lite 8.1 to EFCM Lite 8.7 for the Solaris OS

1. **Install EFCM Lite 8.7 for the Solaris OS and migrate from version 8.1 to version 8.7 by following the instructions in the *EFC Manager Software Upgrade Instructions, Release 8.7.***

2. After the upgrade, verify the integrity of the database by verifying that any customizations to the zone library and user accounts are preserved.

Upgrading from EFCM Lite 8.7 for the Solaris OS to EFCM 8.9 for Windows

3. Obtain a new Product Feature Enablement (PFE) License key from <https://mcdata.getkeys.com>

Enter the serial number from the CD jewel case to get the new license for EFCM 8.9 for the Windows platform.

4. Copy the entire EFCM 8.7 installation directory from `/opt/EFCM87`, or wherever EFCM is installed on your Solaris system, to the EFCM 8.9 Windows platform.

Use a method such as transferring over FTP, copying to a CD, or a making a network copy. Be sure to maintain the directory structure during the copying process.

Note – Copying only the `client` and `server` directories from the Solaris platform EFCM 8.7 to the Windows EFCM server is not sufficient. You must copy the entire EFCM installation directory to the Windows EFCM server.

5. Install EFCM 8.9 from the software CD on a Windows server:
 - a. Launch the EFCM configuration wizard, if it did not start automatically.
 - b. In the Copy Data and Settings from Version 8.x screen, specify the Windows location of the EFCM Install Directory copied over from the Solaris server.
6. Replace the old license key information with the new license key information you obtained in Step 1.

Related Documentation

For other information regarding the McDATA QPM, refer to the following:

- Sun document *McDATA EOS Firmware Version 9.0 Release Notes*, part number 819-6759-10, available at <http://docs.sun.com>.
- Sun document *McDATA QPM 4 Gb 4-port Blade Hardware Release Notes*, part number 819-6760-10, available at <http://docs.sun.com>.

- McDATA document *EFC Manager Software Upgrade Instructions, Release 8.7* (McDATA part number 958-000336-040, available at <http://www.mcddata.com>) .
- McDATA document *Enterprise Operating System Release Notes Version 09.00.00* (McDATA part number 958-000190-900, available at <http://www.mcddata.com>) .
- McDATA document *EFC Manager Software Quick Start Guide, Release 8.9* (McDATA part number 958-000320-070 Rev. A, available at <http://www.mcddata.com>) .

Service Contact Information

If you need help installing or using this product in the United States, call 1-800-USA-4SUN, or go to:

<http://www.sun.com/service/contacting/index.html>