



SAN TECH NOTE

Preparing to Install the Brocade Access Gateway

INTRODUCTION

This SAN Tech Note describes configuration parameters that must be implemented to integrate the Brocade® Access Gateway into a Storage Area Network (SAN) fabric. The following describes the parameters for the Edge switch, which will be connected to the Brocade Access Gateway device. This note covers connection to Brocade and Cisco switches and directors.

CONNECTING TO BROCADE FABRICS

Fabric OS Switches

Ensure that all the following conditions are met:

- Fabric OS® 5.2.1 recommended
Fabric OS 5.1.0 or later also supported
- NPIV must be enabled on SAN switch N_Ports that will connect to the Access Gateway.
- Management Server platform services must be disabled before the Access Gateway is connected to the fabric. (Management Server platform services can be enabled after you complete the setup.)
- Allow inband inquiries, such as GFN and GML, and registration commands, such as RPL and RPAB to the Management Server.
- Set Management Server access set to “all access.” If set to “restricted,” include all AG N_Port WWNs in the MS access control list
- Fabric and switch zoning rules must use the WWN zoning scheme.
- Switch and fabric ACL (Access Control List) policies, if present, must include the WWN of the Access Gateway N_Ports and/or the host WWNs.
- Fabric logins on the port and switch that connect the Access Gateway to the SAN set to the maximum.

Enterprise OSc and Enterprise OSn Switches

Ensure that all the following conditions are met:

- Enterprise OS 9.0 or later with an NPIV license installed.
- NPIV must be enabled on the ports that connect the Access Gateway to the SAN.
- Fabric logins on the port and switch that connect the Access Gateway to the SAN set to the maximum.
- OpenSysMS (Open Systems Management Server) enabled.

To enable, enter the following in the command-line interface (CLI):

```
config OpenSysMs setState
```

NOTE: The Mi10K Director currently does not support NPIV connection, therefore it cannot be used with the Brocade Access Gateway. Use the standard switch mode.

CONNECTING TO CISCO FABRICS

SAN-OS Switches

Ensure that all the following conditions are met:

- SAN-OS 3.0 or later
- NPIV must be enabled on the ports that connect the Access Gateway to the SAN.
- OpenSysMS (Open Systems Management Server) enabled.
- PID allocation method set to Flat as follows:

```
conf t
no fcdomain fcid persistent vsan x
fcinterop fcid-allocation flat
end
```

NOTE: If the Access Gateway has already been powered up and connected to the fabric, you must reboot the Access Gateway.

© 2007 Brocade Communications Systems, Inc. All Rights Reserved. 02/07 TN-GA-004-00

Brocade, the Brocade B weave logo, Fabric OS, File Lifecycle Manager, MyView, Secure Fabric OS, SilkWorm, and StorageX are registered trademarks and the Brocade B wing logo and Tapestry are trademarks of Brocade Communications Systems, Inc., in the United States and/or in other countries. FICON is a registered trademark of IBM Corporation in the U.S. and other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of their respective owners.

Notice: This document is for informational purposes only and does not set forth any warranty, expressed or implied, concerning any equipment, equipment feature, or service offered or to be offered by Brocade. Brocade reserves the right to make changes to this document at any time, without notice, and assumes no responsibility for its use. This informational document describes features that may not be currently available. Contact a Brocade sales office for information on feature and product availability. Export of technical data contained in this document may require an export license from the United States government.