

Steps to configure IBM DS Series Storage for connectivity to MAC clients using the ATTO Celerity Fibre Channel host adapter.

Note: Refer to the Digital Media installation guide for detailed installation instructions (found at http://www.attotech.com/solutions/IBM/fibrechannel_ds_storage.html).

For Apple Clients

1. Set host type LNXCLVMWARE
2. Enable TPGS using the script later in this document

For Linux Clients mixed with Apple Clients

It is important to use the proper host type definitions if Apple servers or clients are sharing physical connection to a storage system with Linux servers or clients. The MDC's in the approved solutions will always be Linux (Windows will also be supported in the near future). Clients can be Apple or Linux (and also eventually Windows). To allow disparate O/S host connections:

1. Create a Host Group with no Host Type associated
2. Create individual Hosts with specific Host Types for each client or server.
3. Use the LNXCLVMWARE for Apple, use the LINUX host mode for Linux servers and clients.
4. Set AVT Off for all Host Types using the script later in this document
5. Enable TPGS for the MAC clients using the script later in this document

Recommended cache settings: Set pre-fetch value to any number other than 0 (zero) to enable automatic prefetch.

For clients, limit the number of defined paths to four. This gives you the redundancy you need while minimizing boot time. During boot, StorNext tries EVERY defined path.

CONFIGURATION SCRIPTS:

Setting TPGS On

This script turns on TPGS for host type LNXCLVMWARE (which is what we are using for OSX). Set TPGS on by running the script below from the Management GUI:

```
show controller[a] HostNVSRAMbyte[13,0x28];
set controller[a] HostNVSRAMbyte[13,0x28]=0x02;
show controller[a] HostNVSRAMbyte[13,0x28];
show controller[b] HostNVSRAMbyte[13,0x28];
set controller[b] HostNVSRAMbyte[13,0x28]=0x02;
show controller[b] HostNVSRAMbyte[13,0x28];
reset controller[a];
reset controller[b];
```

Turning AVT Off

This script turns off AVT for all host types. Set AVT off for all HOST REGIONS by running the scripts below from the Management GUI:

```
/* Disable AVT in all host regions */
set controller[a] HostNVSRAMByte[0x00, 0x24]=0x00; /* 0x01 is enable AVT */
```

```
set controller[a] HostNVSRAMByte[0x01, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x02, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x03, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x04, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x05, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x06, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x07, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x08, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x09, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0a, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0b, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0c, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0d, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0e, 0x24]=0x00;
set controller[a] HostNVSRAMByte[0x0f, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x00, 0x24]=0x00; /* 0x01 is enable AVT */
set controller[b] HostNVSRAMByte[0x01, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x02, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x03, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x04, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x05, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x06, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x07, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x08, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x09, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0a, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0b, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0c, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0d, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0e, 0x24]=0x00;
set controller[b] HostNVSRAMByte[0x0f, 0x24]=0x00;
show storageArray hostTypeTable;
```