



How to Identify Volumes from NeoSapphire in Windows Using Fibre Channel Connections

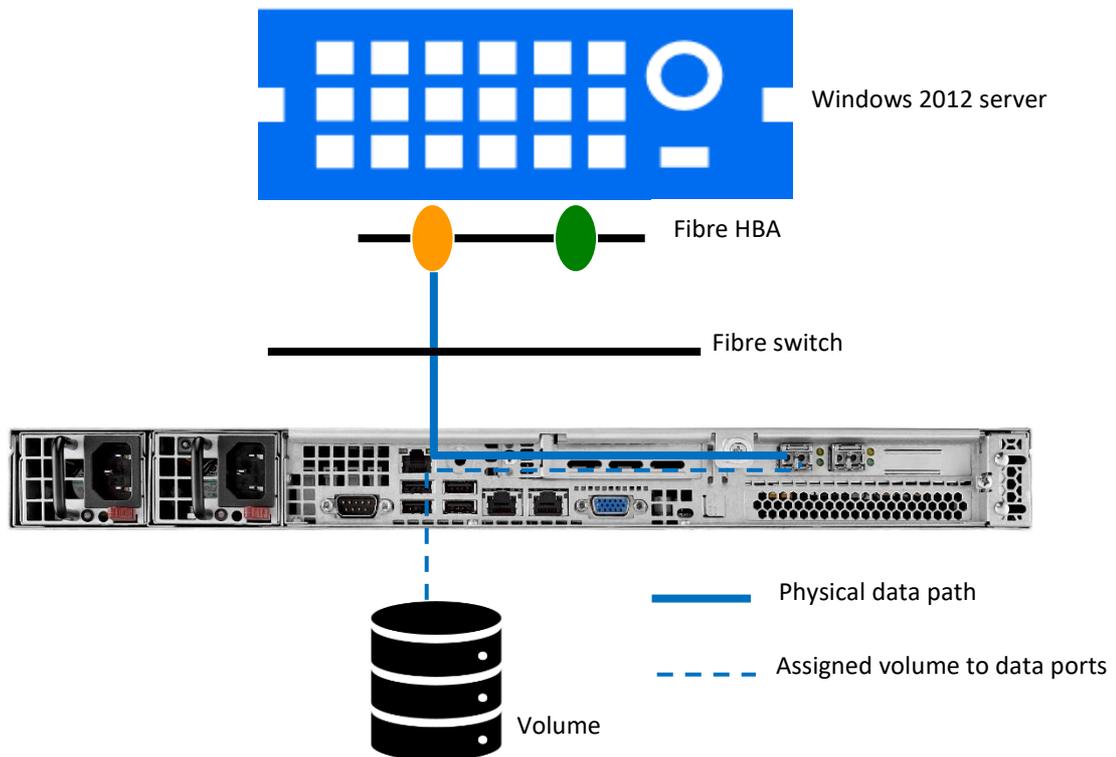
Version History

| Version | Changed | Date |
|---------|---------------|----------|
| V1.0 | First release | 20170410 |

Introduction

This document introduces how to identify volumes from the AccelStor NeoSapphire all-flash array in Windows using a Fibre Channel (FC) connection. If Multipath I/O (MPIO) is required in your Windows 2012 environment, please refer to the document entitled “How to Configure Windows FC MPIO with AccelStor NeoSapphire.”

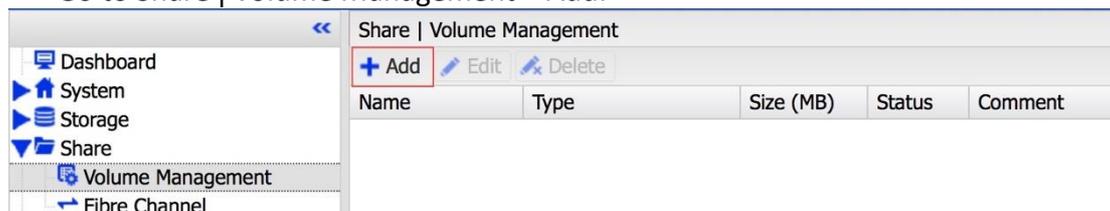
Use Case



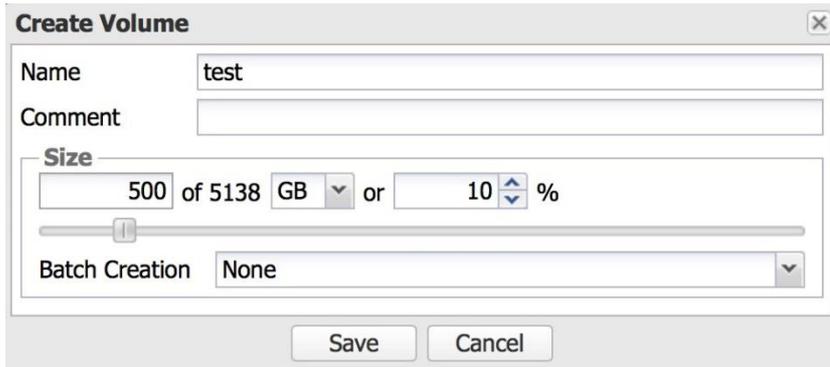
The Use Case discussed in this document assumes the user wants Windows 2012 to recognize a volume named “test” from the AccelStor NeoSapphire using a Fibre Channel connection.

NeoSapphire

- Go to Share | Volume Management > Add.



- Enter the volume name and size.



Create Volume

Name: test

Comment:

Size: 500 of 5138 GB or 10 %

Batch Creation: None

Buttons: Save, Cancel

- Volume creation is completed.

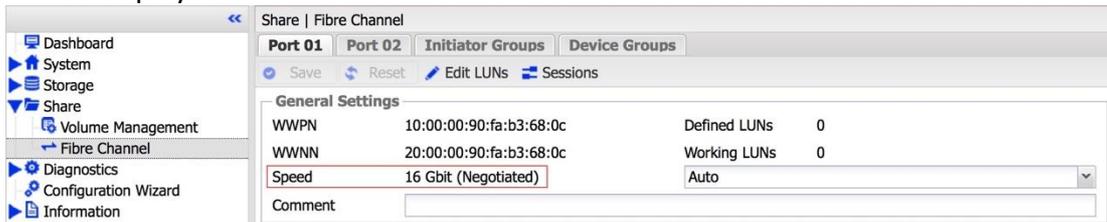
Share | Volume Management

+ Add Edit Delete

| Name | Type | Size (MB) | Status | Comment |
|------|--------|-----------|--------|---------|
| test | Volume | 500002 | Unused | |

- Go to Share | Fibre Channel

Make sure the FC cable is plugged into the FC port properly. If it is, the cable speed will be displayed.



Share | Fibre Channel

Port 01 Port 02 Initiator Groups Device Groups

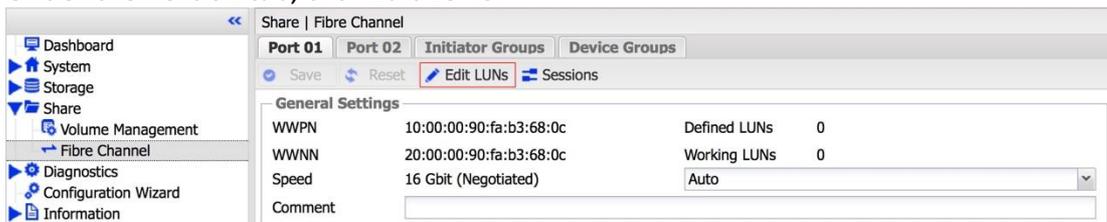
Save Reset Edit LUNs Sessions

General Settings

| | | | |
|-------|-------------------------|--------------|------|
| WWPN | 10:00:00:90:fa:b3:68:0c | Defined LUNs | 0 |
| WWNN | 20:00:00:90:fa:b3:68:0c | Working LUNs | 0 |
| Speed | 16 Gbit (Negotiated) | | Auto |

Comment:

Under the Port 01 tab, click Edit LUNs.



Share | Fibre Channel

Port 01 Port 02 Initiator Groups Device Groups

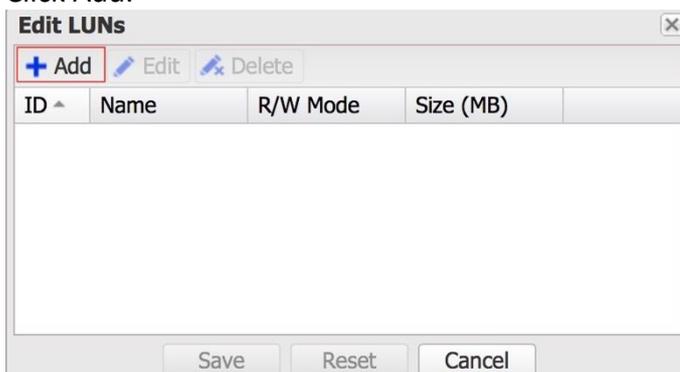
Save Reset Edit LUNs Sessions

General Settings

| | | | |
|-------|-------------------------|--------------|------|
| WWPN | 10:00:00:90:fa:b3:68:0c | Defined LUNs | 0 |
| WWNN | 20:00:00:90:fa:b3:68:0c | Working LUNs | 0 |
| Speed | 16 Gbit (Negotiated) | | Auto |

Comment:

Click Add.



Edit LUNs

+ Add Edit Delete

| ID | Name | R/W Mode | Size (MB) |
|----|------|----------|-----------|
| | | | |

Buttons: Save, Reset, Cancel

Select a specific volume.

Add LUN ✕

ID ⬆️ ⬇️ ⬆️
Assign a unique identifier to the volume optionally.

R/W Mode Read Only

Volume Name ⬇️ +

Batch Selection Also select consequent volumes with the same name prefix, if exists.

Click Save.

Edit LUNs ✕

| ID | Name | R/W Mode | Size (MB) |
|----|------|------------|-----------|
| 0 | test | Read/Write | 500002 |

A confirmation message will appear. Click Apply, then Yes.

▲ The configuration has been changed. You must apply the changes in order for them to take effect. ● Apply

Confirmation ✕

?

Do you really want to apply the configuration?

The volume “test” has been assigned to FC Port 01.

Share | Fibre Channel

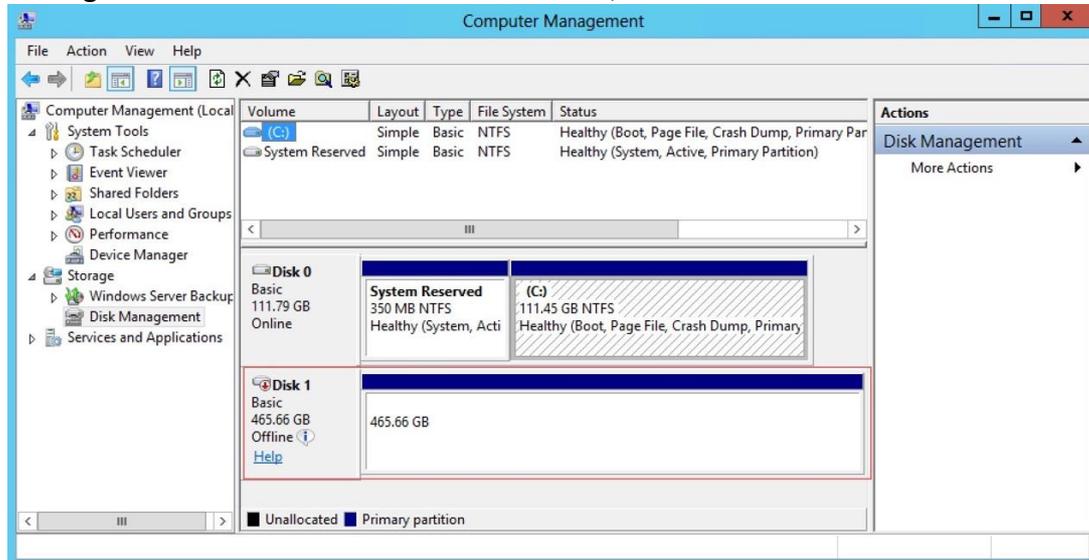
Port 01
Port 02
Initiator Groups
Device Groups

General Settings

| | | | |
|---------|-------------------------|--|---|
| WWPN | 10:00:00:90:fa:b3:68:0c | Defined LUNs | 1 |
| WWNN | 20:00:00:90:fa:b3:68:0c | Working LUNs | 1 |
| Speed | 16 Gbit (Negotiated) | Auto ⬇️ | |
| Comment | <input type="text"/> | | |

Windows

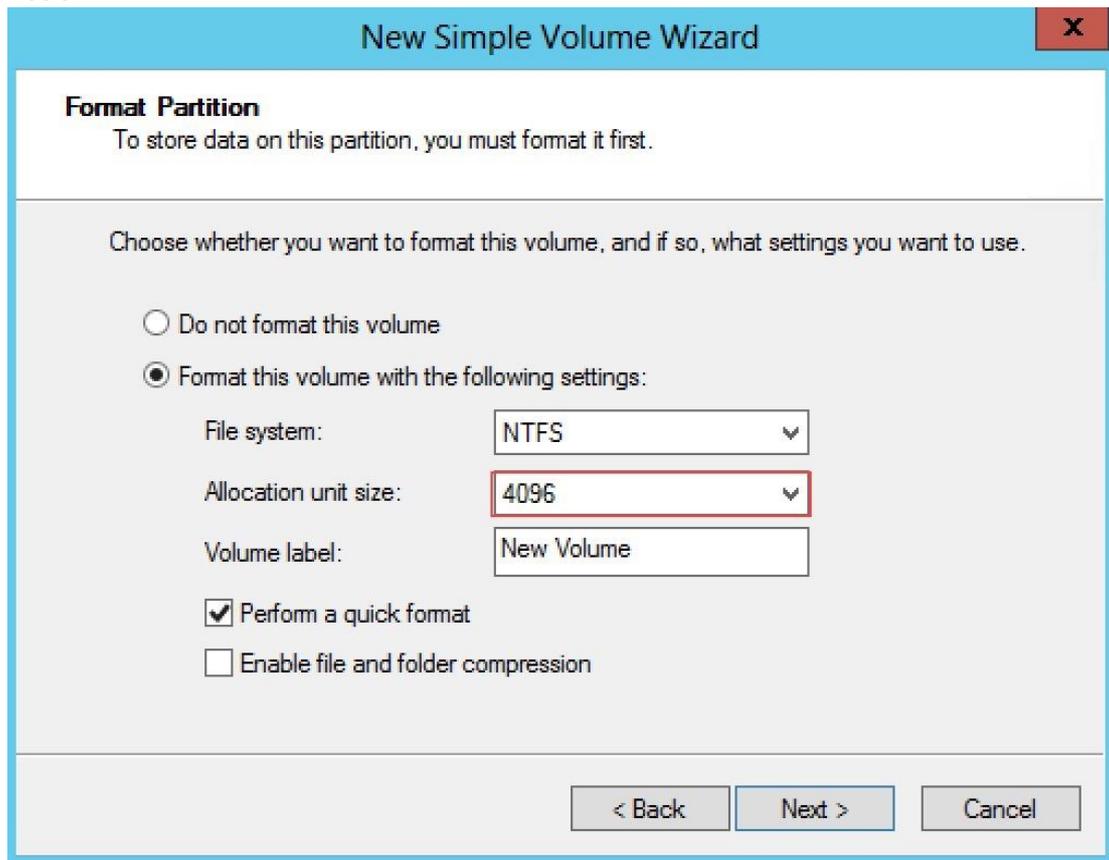
Make sure the FC cable is connected properly to the Windows server. Normally, the volume will automatically be detected on the Windows server. Open Computer Management. A new raw disk will be detected, as follows:



Bring Disk 1 online and format it.



Note: When formatting the partition, remember to set the “Allocation unit size” to 4096.



You've succeeded in formatting your volume and can now use the drive to store files, install programs, back up data, and more.

