

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

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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	f 5138 GB 🖌 or 10 🔷 %	
Batch Creation	None	~
	Save Cancel	

• Volume creation is completed.

Share Volume M	anagement					
🕇 Add 📝 Edit	💰 Delete					
Name	Туре	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						
E Dashboard	Port 01	Port 02	Initiator Groups	Device Groups			
System	 Save 	Reset	🖋 Edit LUNs 🛛 🚅 Se	essions			
✓ Storage ✓ Share Share Solution of the storage of the s	General WWPN	Settings -	10:00:00:90:fa:b3:68:0	C	Defined LUNs	0	
Fibre Channel	WWNN	2	20:00:00:90:fa:b3:68:0)c	Working LUNs	0	
Diagnostics	Speed	1	16 Gbit (Negotiated)		Auto		*
 Information 	Comment	: [

Under the Port 01 tab, click Edit LUNs.

**	Share Fib	Share Fibre Channel					
Dashboard	Port 01	Port 02	Initiator Groups	Device Groups			
Storage	 Save 	Reset	🖋 Edit LUNs 🚅 Se	essions			
▼ Storage ▼ Share Svolume Management	General WWPN	Settings	0:00:00:90:fa:b3:68:0	Dc	Defined LUNs	0	
Fibre Channel	WWNN 20:00:00:90:fa:b3:68:0c			Dc	Working LUNs 0		
 Diagnostics Configuration Wizard Information 	Speed Comment	1	6 Gbit (Negotiated)		Auto		*

Click Add.

JNs				×
🖋 Edit 🖌	🔇 Delete			
Name	R/W	Mode	Size (MB)	
S	ave	Reset	Cancel	
	INs Edit Name	Name R/W	Name R/W Mode	Image: 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	test 👻	٠
Batch Selection	Also select consequent volumes with t same name prefix, if exists.	he
	Save Cancel	

Click Save.

Edit L	UNs			×
+ Ad	d 🧪 Edit 🔒	\land Delete		
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?						
Yes No						
The volume "test" has been assigned to FC Port 01.						
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 1	
WWNN	20:00:00:90:fa:b3:68:0c	Working LUNs 1	
Speed	16 Gbit (Negotiated)	Auto	*
Comment			



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:

*		Comp	uter Management		_ □ X
File Action View Help					
🗢 🔿 🖄 📰 🚺 🏹	x 🖻 🖻 🎑 🗒				
Ecomputer Management (Local	Volume	Layout Type File S	ystem Status		Actions
⊿ System Tools N Task Scheduler	C:)	Simple Basic NTFS	Healthy (Boot, Pag	ge File, Crash Dump, Primary Par	Disk Management 🔺
Fask Scheduler	System Reserved	Simple basic 14113	i Healthy (System, P	cuve, Finnary Farition)	More Actions
▷ 10 Shared Folders					
Eccal Users and Groups Performance	<	Ш		>	
📇 Device Manager			(
⊿ Storage Mindows Server Backur	Basic	System Reserved	(C;)		
Disk Management	111.79 GB Online	350 MB NTFS	111.45 GB NTFS	Crash Dump, Priman	
Services and Applications		Ficality (System, Act	ricality (boot, rage rice)		
	Dick 1				1
	Basic				
	465.66 GB Offline (i)	465.66 GB			
	Help				
< III >	Unallocated	Primary partition			

Bring Disk 1 online and format it.

Disk	1	
Basic	Online	
Offline	Properties	
<u>Help</u>	Help	



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

New Simple Volume Wizard		
Format Partition To store data on this partition, you must format it first.		
Choose whether you want to format this volume, and if so, what settings you want to use.		
◯ Do not format this volume		
Format this volume with the following settings:		
File system:	NTFS	▼
Allocation unit size:	4096	→
Volume label:	New Volume	
Perform a quick format		
Enable file and folder compression		
	< Back	Next > Cancel

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

Disk 1 Basic	(D·)
465.66 GB Online	465.66 GB RAW Healthy (Primary Partition)