# How to expand JBOD for NVR7800

**Application Notes** 

Version <1.0>



#### [Pre-Procedure]

NVR7800 supports up to 5 x 4U (60 bays) or 14 x 2U/3U(12bay/16bay) JBOD expansion.

#### [Notice]

- For each storage device (NVR7800 local storage and each JBODs), users can create multiple RAIDs, but do not create one RAID from cross-different storage devices, e.g. do not create one RAID cross JBOD1 and NVR7816's local storage, or do not create one RAID cross JBOD1 and JBOD2.
- When create the RAID, please start from the beginning of link. In this case, the sequence for creating RAID should be NVR7800 → JBOD1 → JBOD2 → JBOD3.
- When power on the devices, please boot up from the end point, e.g. JBOD3 → JBOD2 → JBOD1 → NVR7800.

NVR7800
JBOD1
JBOD2
JBOD3

# [Expand JBOD for NVR7800]

## 1. Setup JBOD ID

Please switch JBOD ID for each JBOD, in this case we connect three JBOD, so our ID are 1 to 3. (Setup JBOD to different ID to identify system). In this case we recommend you can setup JBOD 1, ID =1. JBOD 2, ID =2. JBOD 3, ID =3.



## 2. Connection SAS port

■ Please connecting as below: NVR7800 SAS Exp.→JBOD1's IN Port JBOD1's OUT Port→ JBOD2's IN Port JBOD2's OUT Port→ JBOD3's IN Port



### 3. Create RAID in NVR7800 Local

- Please insert HDDs to NVR7800.
- After about 2.5 minutes, press "EonOne".



Enter (admin / admin) to login EonOne.

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Welcome to EonOne Lite Thark you for using Earchine Lite, an easy-to use, new generation user interface for Infor multiple system installation and management, such as datas monotoring and event notifi	ternd products. EoriCrie Lite delivers a range of features focusing on aton, and quick installation process.	
Sinfortrend	User Hame: admin Password: ••••• Remember Password: © SSL Logn LOGN	

You can see HDD has online, you can press "Customized settings" to select your RAID Level, and press "Apply" to create RAID.

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1 2 3 Confirm Apply Complete	
Start Quick Setup	
RAID 2001 18002	RAID Level: RAID 5 Volume Numbers: 1 Capacity: 4
4 hard drives	Customized settings
Apply	

Please wait for a while.

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1 2 3 Confirm Apply Complete	
Apply the settings	
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■ When it finished, please close it.

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Confirm Apply Complete	
All Complete	
Congrebilations. You have finished all the steps for quick setup. Click Device Management to start managing the device, or click Close to quit Econome Lite.	
Device Management Logout	



Press "Disk Management".

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Local Users and Groups		
Bevice Manager		
Storage		
Disk Management		
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■ It will show windows, select "GPT (GUID Partition Table)" and press "OK".

Initialize Disk
You must initialize a disk before Logical Disk Manager can access it.
Select disks:
Disk 1
Use the following partition style for the selected disks:
MBR (Master Boot Record)
GPT (GUID Partition Table)
Note: The GPT partition style is not recognized by all previous versions of Windows. It is recommended for disks larger than 2TB, or disks used on Itanium-based computers.
OK Cancel

■ Right click "Unallocated" and select "New Simple Volume...".

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De Task Scheduler      Event Viewer	System Reserved	Simple I	Basic	NTFS	ŀ	Healthy (	System	, Active, Primary Partition)		28	More Actions
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	Basic 3713.40 GB	3713 40 GB					14	New Simple Volume			
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< III >	Unallocated P	rimary part	ition					Properties			
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#### ■ Press "Next >".

Welcome to the New Simple Volume Wizard					
This wizard helps you create a simple volume on a disk.					
A simple volume can only be on a single disk.					
To continue, click Next.					
Cancel Next > Cancel					

■ Press "Next >".

New Simple Volume Wizard						
Specify Volume Size Choose a volume size that is between the maximum and minimum sizes.						
Maximum disk space in MB:	3802516					
Minimum disk space in MB:	8					
Simple volume size in MB:	3802516					
	< Back Next > Cancel					

■ Select your drive letter in "Assign the following drive letter" and press "Next >".

New Simple Volume Wizard	×				
Assign Drive Letter or Path For easier access, you can assign a drive letter or drive path to your partition.					
Assign the following drive letter:					
Mount in the following empty NTFS folder:					
Do not assign a drive letter or drive path					
< Back Next >	Cancel				

■ Select "64K" and press "Next >".

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:					
Volume label: New Volume					
V Perform a quick format					
Enable file and folder compression					
< Back Next > Cancel	]				

■ After finished, press "Finish".

New Simple Volume Wizard	
	Completing the New Simple Volume Wizard
	You have successfully completed the New Simple Volume Wizard. You selected the following settings: Volume type: Simple Volume Disk selected: Disk 1 Volume size: 3802516 MB Drive letter or path: D: File system: NTFS Allocation unit size: 65536 Volume label: New Volume Chuick format: Yes To close this wizard, click Finish.
	< Back Finish Cancel

■ You can see new drive (D:) in Computer.

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New Volume Local Disk	(D:) Space used: Space free: 3.6;	2 TB	Total size: 3.62 TB File system: NTFS	BitLocker status: Off					

### 4. Create RAID in JBOD1

- Please insert HDDs to JBOD1.
- After about 2.5 minutes, press "EonOne".



■ Enter (admin / admin) to login EonOne.

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Thank you for using EoriOne Life, an easy-to-use, new generation user interface for Infortured products. EonOne Lite delivers a range of features focusing on	
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User Name: admin	
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■ You can see HDD in JBOD1 has online.

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Cantordano	Device Information Model: EV 5016G Version: 5.11A31 Volume: Vol-1 3.63 TB	System Status           Wealthy           Uptime 2737 days 15:22:12			
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■ Select "Action" and press "Add Volume".

Concernance being one(s).      Action	Consider the diagonal state of the construction of the constructi	A 100 100 100 100 100 100 100 100 100 10	O = O Castlesta anno C				
Storage Add a new volume or remove the existing one(s).  Volume Name  Status Capacity	Storage     Storage       Add a new volume or remove the existing one(s).     Add Walnew       Volume Name or     Status ★     Capacity ★       Volume Name or     Status ★     Capacity ★       Volume Name or     Status ★     Capacity ★	Infortrend		Overview Event Log Action		*	3
Add a new volume or remove the existing one(s).  Add Volume Volume Name   Status  Capacity  Capa	Add a new volume or remove the existing one(s).       Volume Name     Status     Capacity       Vol-1 <ul> <li></li></ul>	Storage	Storage				ľ
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Vol-1 Vol-1 Volume has been mounted. 3,63 1B			Vol-1	$\bigcirc$ The volume has been mounted.	3.63 TB	0	

You can press "Customized settings" to select your RAID Level, and press "Apply" to create RAID.

Configure 127.0.0.1.11/14/wikayd/confirm P · O Cettificate error C TonOve Lite x	
Start Quick Setup	RAID Level: RAID S Volume Numbers: 1 Capacity: 4 TB Customized settings
Apply	

Please wait for a while.

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1 2 3 Confirm Apply Complete	
Apply the settings This process may take several minutes depending on the system hardware and hard drive capacity.	
Create Logical Drive 175	

■ When it finished, please close it.

	- 0 <b>- X</b>
← ⓒ ⓒ https://227.00.13817.19/waardcomplete ♀	
1 2 3 Confitti Apply Complete	
All Complete Congratulators. You have finished all the steps for quick setup. Click Device Management to start managing the device, or click Close to quit EonOne Lite.	
Device Management Logout	

■ Press "Start" → "Computer" → Right click "Manage".



Press "Disk Management".

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■ It will show windows, select "GPT (GUID Partition Table)" and press "OK".

Initialize Disk	
You must initialize a disk before Logical Disk Manager can access it.	
Select disks:	
☑ Disk 2	
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GPT (GUID Partition Table)	
Note: The GPT partition style is not recognized by all previous versions of	
Windows. It is recommended for disks larger than 2TB, or disks used on Itanium-based computers.	
OK Cancel	]

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New Simple Volume Wizard	×
Specify Volume Size Choose a volume size that is betwee	en the maximum and minimum sizes.
Maximum diale anana in MD:	2002516
Minimum disk space in MB:	8
Simple volume size in MB:	3802516
	< Back Next > Cancel

■ Select your drive letter in "Assign the following drive letter" and press "Next >".

lew Simple Volume Wizard	×				
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Assign the following drive letter:     Mount in the following empty N1+S folder:					
Do not assign a drive letter or drive path	Browse				
	< Back Next > Cancel				

■ Select "64K" and press "Next >".

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:	64К 👻			
Volume label:	New Volume			
☑ Perform a quick format				
Enable file and folder compression				
< Back Next > Cancel				

■ After finished, press "Finish".

New Simple Volume Wizard	×
	Completing the New Simple Volume Wizard
	You have successfully completed the New Simple Volume Wizard. You selected the following settings: Volume type: Simple Volume Disk selected: Disk 1 Volume size: 3802516 MB Drive letter or path: D: File system: NTFS Allocation unit size: 65536 Volume label: New Volume Artick format: Yes To close this wizard, click Finish.
	< Back Finish Cancel

■ You can see new drive (D:) in Computer.

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Organize 🔻 AutoPlay	Properties System properties	Uninstall or change a program Map	network drive Open Control P	anel 📲	- 🗌 🔞
<ul> <li>▲ ★ Favorites</li> <li>■ Desktop</li> <li>➡ Downloads</li> <li>≦ Recent Places</li> </ul>	Hard Disk Drives (3)     Local Disk (C:)     395 GB free of 442 GB	New Volume (D:) 3.62 TB free of 3.62 TB	New Volur 3.62 TB fre	ne (E:) e of 3.62 TB	
Libraries Libraries Documents Music Pictures Videos Computer Call Coal Disk (C:) New Volume (D:) New Volume (E:) New Volume (E:) Network					
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**Note**: for JBOD2, JBOD3.....please refer the same procedure as Chapter 4.