BullSequana EXR/EXD

Atos Technical Support Bulletin



Product	SUBJE	СТ	Dossier	Number	Rev
BullSequana EX Series	Installing WS2022 with NVMe Storage Configurations		EXR/EXD	-	01
Issue Date	Writer	Approved by	Domain	Exp. Date	
July 25, 2024	J.Peter	M Mille	Hardware	Undef.	

Installing Windows Server 2022 with NVMe Storage Configurations

Overview

This bulletin provides detailed instructions for installing Windows Server 2022 with one of the following NVMe storage configurations.

Follow the steps corresponding to your specific setup to ensure a smooth installation process.

Installation Scenarios:

- 1. Installing WS2022 on M.2 Storage Device without VROC (VMD Disabled by Default):
 - During the OS installation, you should be able to select the M.2 storage device without any special configuration.

2. Installing WS2022 on M.2 or E1.S Storage with VROC/VMD RAID Set:

- ✓ **Begin Installation**: Start the WS2022 installation using the installation ISO.
- ✓ Load Driver:
 - When prompted with "Where do you want to install the operating system," select Load Driver.
 - Click Browse and navigate to the location of the driver file NVMiaVROC.free.win10.64bit.7.7.0.1260 (or later).
- ✓ Select Storage Device:
 - o After loading the driver, you should be able to see and select the M.2 or E1.S storage device for installation.
 - Follow the instructions in the section "Follow these instructions for #2 above".

3. Installing WS2022 on E1.S Storage Using MegaRAID Card with RAID Set:

• During the OS installation, you should be able to select the E1.S storage device without any special configuration.

Follow these instructions for #2 above:

1. No drives are present. Select "Load driver"

Doc. Reference: BullSequana EX-Version 1

Page: 1 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"

Name		Total size	Free space Type	
Refresh	NDelete	Format	Ngw	
	275 C			

2. Browse to the location of the driver.

Selec	t the driver to install
	Load driver
	To install the device driver for your drive, insert the installation media containing the driver files, and then click OK. Note: The installation media can be a CD, DVD, or US8 flash drive.
_	Browse OK Cancel

3. If the driver is on the Windows Installation USB drive:

a. Select the driver folder present on the USB drive (ensure the contents were added via simple "drag and drop" before use).

Doc. Reference: BullSequana EX-Version 1

Page: 2 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"

- 55	S_X64FRE_ (C:)	USB	installie	BW/ M	RIVE	RS® f	older	ad
~	ORIVERS							
	MMELavRC	C.free.wn10.64	64.7.7.0.1					
5	sources							
2	support							
~ No	w Volume (D:)		04404800					
2.2	Chipset-10, 1, 1	9263.8344 Public	-Server-Bill y					
<u>¢</u>			,					
		-	Cantal					
			5-08-0.D1				>	
							-	
1000		and constanting	le with this con	muter's hards				

b. Select the driver to install (notice the drive letter is C:\)

nt Device NVI	Me RAID Controller <mark>(C.\</mark> DRIVER	S\NVMEiaVROC free win10.64bi	177.0.1260\iaVROC inf)
it Device NVI	Me RAID Controller <mark>(CA</mark> DRIVER	S\NVMEiaVROC free.win10.64bi	17.7.0.1260\iaVROC.inf)
			>

c. Or select the driver folder that is present on a separate drive.

Doc. Reference: BullSequana EX-Version 1

Page: 3 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"

Browse for Folder		
Browse to the driver, and then dick OK	•	
30 Objects	~	
> 🖄 Documents > 🌛 Music		
 A general videos A general videos A general videos 		
> SS5_X64'RE_(C;)	Mana Com Mana Com	TREM (
DRIVERS		110 1
NIMElavROC.free.wi	n10.64bit.7.7.0.1	
<	>	

D. Select the driver to install (notice the drive letter is D:\)

MANUTATION OF	friver to install	Southand Street Street	No. of Concession, Name
nt Device NVN	le RAD Controller (D. DRIVER le RAD Controller (D. DRIVER	SINVMEIaVROC free win10.64b	at 7.7.0.1260\jaVROC.inf)
D			
¢			

4. After the driver loaded successfully, clicking on refresh now displays VROC, showing E1.S (850GB) and M.2 (425GB) drives:

Doc. Reference: BullSequana EX-Version 1	Page: 4 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"

Name	1	Total size	Free space	Туре
Drive 0 Unalloci	ated Space	200.0 GB	200.0 GB	Offline
Drive 1 Unalloca Drive 3 Unalloca Drive 4 Unalloca	sted Space sted Space sted Space	0.0 MB 424.8 GB 849.5 GB	0.0 MB 424.8 GB 849.5 GB	Offline
Bafrange Load driver Microsoft Server Operation	∑ Delete	Eormat	∰ Ngw now details)	

- 5. Proceed with Installation:
 - a. Once the NVMe drives are visible, continue with the installation process.

Doc. Reference: BullSequana EX-Version 1

Page: 5 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"

6. Successful installation on M.2

EL 🔂 🔟 🖛 1 ThicPC		-	o x
the Compiler View			- 0
← * * ₩ * THEPC		✓ δ Search This PC	P
P Quick access ~ Fo	idens (7)		
Desktop #	3D Objects	Desktop	
Bourietti #	Deciaments	Downlaads	
The PC	Mair	Pictures	
20-40_3399468_222	J.		
	Wideos		
Diebwork			
~0	evices and drives (\$)		
	Local Disk (C)	SSS_X64FREE_ENI-US_OV9 (D)	
	JT1 GB frey at 424 GB	21.8 GB free of 21.0 GB	
	UEPUNTPSIEI		
	CARE has of \$200 ME		
13 Partie			IT N

Please ensure all necessary drivers are available and properly loaded during the installation process and verify the storage configuration and RAID settings prior to starting the installation.

Note: The drivers needed for the Windows server 2022 installation are currently available on Sol. Please find the link to download them.

https://support.bull.com/ols/product/platforms/bullion/bullsequana-edge-servers/dl/drvf/drv

Doc. Reference: BullSequana EX-Version 1

Page: 6 / 6

Atos Bull-SAS Confidentiel

" Ce document et les informations qu'il contient sont confidentiels et appartiennent à BULL-SAS. Ils sont communiqués uniquement au personnel du Groupe Bull dans le seul but de lui permettre d'exercer ses activités. Ce document ne peut être copié ou diffusé sans l'autorisation formelle de la Direction de BULL SAS Technologie"