

Setup Guide for:

104-VMS3Ness VMS3 Server with NX Server - No HDD104-VMS3-SPNess VMS3 Server with SPECTRUM Server - No HDD

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NX Client / SPECTRUM Client

A pc/laptop connected to the same network as the VMS server needs to have the NX Client or SPECTRUM Client software installed for you to complete the setup of NX Witness or DW SPECTRUM on the VMS3 server and to view and playback footage.

NX Server / SPECTRUM Server

The latest NX Server or DW SPECTRUM Server software is pre-installed on this machine.

NETWORK

This server is currently set for DHCP. Your router will assign a IP address which will be automatically discovered once you run NX or SPECTRUM Client software on a separate PC.

MONITOR

A permanent monitor is usually only required if you choose to setup and configure the server locally rather than via NX or Spectrum client over the network.

HARD DRIVE/S

This server is supplied without hard drives allowing you to install up to eight hard drives to suit requirements. Once installed, hard drives must be mounted and enabled in NX or SPECTRUM server software.

ADMIN

Default credentials.

Username: nessvms Password: Ness1234 (capital 'N')

VMS LICENSES

NX and SPECTRUM recording licences are sold separately.

Licences are easy to order by contacting Ness Sales sales@ness.com.au

or order online https://ness.com.au

Activating licence keys is an easy process within NX or SPECTRUM client software.

Note: Use NX licences on NX server and Spectrum licences on Spectrum server. The licences are not inter-compatible.

SUPPORT

If required phone Ness Tech Support on 1300 551 991 during business hours or email techsupport@ness.com.au



Note: NX or SPECTRUM Client must NOT be installed on the server. Always run the Client app on a separate PC/laptop.



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INSTALLING A NEW DRIVE

VMS3 Servers are supplied without hard drives allowing you to install storage of your choice. The eight SATA ports support up to 10TB HDD each. Open the housing and install hard drive/s with care as you would in a PC.

MOUNTING A NEW DRIVE

You can run the Linux COCKPIT configuration utility either locally by connecting a monitor, keyboard and mouse to the server or via the network using NX or Spectrum Client on a separate PC/Laptop.

SETUP VIA NETWORK (typical method): Install NX Client or Spectrum Client on a separate PC/Laptop running on the same network. Client will automatically discover the server as 'New System'. **Refer to the NX or Spectrum setup guides for full details on completing setup via Client. Note: CLIENT must not be installed on the server.**

LOCAL SETUP: Follow the steps below

Step 1: Log into the server via COCKPIT (GUI based server management utility) (In Local Setup, to find Cockpit go to: Show Applications > Cockpit)

Refer to the default username and password on the previous page. Make sure to select 'Reuse my password for privileged tasks'

Step 2: Click into the Storage menu

UBUNTU								🔒 Un	locked 💄 NessVMSTest 🗸
	RessVMS-		Intel Corporation OEM	% of 4 CPU core	es				
æ	System		123456789	50					
	Logs		1fafd2d4132e4c5f9 Ubuntu 18.04.6 LTS	o	15:05	15:06	15:07	15:08	15:09
	Storage		Bug Fix Updates Av	GIB Memory					
	Networking	Secure Shell Keys Host Name		3					
			Join Domain	2					
	Services	System Time Power Options	2023-03-24 15:09 ()	o	15:05	15:06	15:07	15:08	15:09
	Terminal	Power Options Performance Profile	1	MiB/s Disk I/O					
				16 12 8					
				4	15:05	15:06	15:07	15:08	15:09
				Mbps Network Trat	ffic				
				40					ľ
				0	15:05	15:06	15:07	15:08	15:09



UBUNTU								Unlocked NessVMSTest ~
-	RessVMS-	KIB/s Reading			MiB/s Writing		RAID Dev	ices 💽
6 36	System	96 64 32			96		N	lo storage set up as RAID
	Logs	52			32		Deiles	
	Storage	15:05 15:06	15:07 15:08	15:09	15:05 15:06 15:07 1	5:08 15:09	ব	WDC WD30EURX-63T0FY
	Networking	Filesystems						2.73 TiB Hard Disk R: 0.00409 B/s W: 43.2 B/s
		Name	Mount Point	Size			2	DA4064 (0x3ed93f1e)
		/dev/loop0	/snap/gnome-42-2204/65			460 / 460 MIB		58.2 GIB Removable Drive R: 0.001 B/s W: 572 B/s
		/dev/loop1	/snap/snapd/18357			49.9 / 49.9 MiB	Other De	Nices
							other De	vices

Step 3: Select the drive you wish to mount. So long as the OS can see it, you can see it here.

Step 4: Under 'Content' expand the 'File System' > Click Format

UBUNTU				🛓 NessVMSTest 🗸
-	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)		
æ	System	Drive		
	Logs	Model WDC WD30EURX-63T0FY0		
	Storage	Firmware Version 80.00480 Serial Number WD-WMC4N1923954		
	Networking	World Wide Name 0x50014ee6aedd9450		
	Accounts	Capacity 2.73 TIB, 3.00 TB, 3000592982016 bytes		
	Services	Assessment Disk is OK(33.0° C / 91.4° F) Device File /dev/sda		
	Terminal	Content	Creat	e partition table
		✓ 2.7.3 TIB ext4 File System /dev/sda1		
		Partition Filesystem		Delete
		Name 3TB Eurp HDD Mount Point /mnt/wwn-0x50014ee6aedd9450-part1 Mount Options nosuid,nodev.nofail.noatime Used -		Format



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Step 5:

(a) Give the drive a name.

(b) Select 'Custom' under Mounting.

(c) Tick 'Custom mount options' and enter 'nosuid, nodev, nofail, noatime'.

(d) In the 'Mount Point' field, enter /mnt/wwn- followed by the World Wide Name.

(Hint, to avoid typos, at the previous step copy the World Wide Name then paste it here after typing /**mnt**/**wwn-**)

Leave all other settings as default.

(e) Click 'Format'.

UBUNTL	J			
-	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)	rmat /dev/sda1	
23	NessVMS- System Logs Storage Networking Accounts Services Terminal	Prive Model WDC WD30EURX-63T0FY0 Firmware Version 80.00A80 Serial Number WD-WMC4N1923954 World Wide Name 0x50014ee6aedd9450 Capacity 2.73 TiB, 3.00 TB, 3000592982016 bytes Assessment Disk is OK(34.0° C / 93.2° F) Device File /dev/sda Device File /dev/sda Partition Filesystem Partition Filesystem Name 3TB HDD Mount Point: 0x50014ee6aedd9450 Mount Mount	Erase Don't Type ext4 - Name 3TB H Mounting Custo Mount Point //mnt/ ount options V Mou	im (b) ~ wwn-0x50014ee6aedd9450 (d)
		Used -		

Step 6: Mount the drive. Click 'Mount'

 2.73 TIE 	ext4 File	System	
Partition	Filesy	stem	
	Name	3TB Eurp HDD	\frown
Mou	int Point	/mnt/wwn-0x50014ee6aedd9450-par 1	Mount
Mount	Options	nosuid,nodev,nofail,noatime	
	Used	-	

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