

VMS16 SETUP GUIDE Rev6

Setup Guide for:

104-VMS16-NX 104-VMS16-SP Ness VMS16 Server with NX Server - No HDD Ness VMS16 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 VMS16 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.

MONITOR

A permanent monitor is not usually needed but you will need one for setup and configuration.

HARD DRIVE/S

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

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.





INSTALLING A NEW DRIVE

VMS16 Servers are supplied without hard drives allowing you to install storage of your choice. The two SATA ports support up to 8TB HDD each.

Open the housing and install hard drive/s with care as you would in a PC.

MOUNTING (ENABLING) 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.

MOUNTING A NEW DRIVE

Step 1: Log into the server via Cockpit.

Refer to the default username and password on the previous page.

Ubuntu 22.04.4 LTS	😔 Ubuntu
User name	
nessvms	
Password	
	• //
Other options	
Log in	
Server: NessVMS Log in with your server user account.	

Once logged in, click "Limited access" and confirm the password to enable administrative access.

nessvms@ NessVMS-	l l	Limited access	Help •	🔅 Session 👻
Q Search	Heb console is running in limited access mode. Turn on administrative access			
System	NessVMS- (NessVMS) running Ubuntu 22.04.4 LTS			
Overview				

Go ahead and Authenticate.

Switch to administrative access						
Password for nessvms:						
Authenticate	Cancel					

Go to Step 2 to mount drives.



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Step 2: Click into the Storage menu

ITU						≙ Ur	locked 💄 NessVMST
RessVMS-	Hardware Intel Corporation OEM	% of 4 CPU co	res				
System	Asset Tag 123456789	50					A.
Logs	Machine ID 1fafd2d4132e4c5f9 Operating System Ubuntu 18.04.6 LTS	o	15:05	15:06	15:07	15:08	15:09
Storage	渝 Bug Fix Updates Av	GIB Memory					
Networking	Secure Shell Keys Show fingerprints Host Name NessVMS-	3					
	Domain Join Domain	1					
Services	System Time 2023-03-24 15:09 () Power Options Restart ~	0	15:05	15:06	15:07	15:08	15:09
Terminal	Performance Profile none	MiB/s Disk I/O					
		16					
		8					
		0	15:05	15:06	15:07	15:08	15:09
		Mbps Network Tr 120	affic				
		80					M
		40					
			15:05	15:06	15:07	15:08	15:09

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

UBUNTU							▲ Unlocked ▲ NessVMSTest ~
	RessVMS-	KIB/s Reading			MiB/s Writing	RAI	D Devices
æ	System	96 64 32			96		No storage set up as RAID
	Logs	32			32		
	Storage	15:05 15:06	15:07 15:08	15:09	15:05 15:06 15:07 15:08 15	5:09	WDC WD30EURX-63T0FY
	Networking	Filesystems					2.73 TiB Hard Disk R: 0.00409 B/s W: 43.2 B/s
	Accounts	Name	Mount Point	Size			DA4064 (0x3ed93f1e)
	Services	/dev/loop0	/snap/gnome-42-2204/65		460 / 4	460 MiB	58.2 GIB Removable Drive R: 0.001 B/s W: 572 B/s
	Terminal	/dev/loop1	/snap/snapd/18357		49.9 / 4	49.9 MiB	
						Oth	ner Devices

Step 4: Under 'C	ontent' expand t	he 'File System' :	> Click Format
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UBUNTU			Unlocked	💄 NessVMSTest 🗸
	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)		
6 3a	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
		V 2.75 TIB ext4 File System /dev/sda1		
		Partition Filesystem		Delete
		Name 3TB Eurp HDD		Format
		Mount Point /mnt/wwn-0x50014ee6aedd9450-part1 Mount		
		Mount Options nosuid,nodev,nofail,noatime		
		Used -		

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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**. See the example screenshot below.

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

Make sure there are no spaces in the World Wide Name including at the end of the line.

Leave all other settings as default.

(e) Click 'Format'.

UBUNTU						
	RessVMS-	Storage » WDC WD30EURX-6	3TOFY0 (WD-WMC4N1923954)	Format /dev/s	sda1	
£ 3	System Logs Storage Networking Accounts Services Terminal	Firmware Version 80.00A Serial Number MD M World Wide Name 0x500 Capacity 2./3 Ii	MC4N1023954 14ee5aedd9450 8, 3.00 TB, 3000592982016 bytes OK(34.0° C / 93.2° F) Ja	Format /dev/s Erase Type Name Mounting Mount Point Mount options	Don't overwrite existing data ext4 - Red Hat Enterprise Linu 3TB HDD (a) Custom (b) /mnt/wwn-0x50014ee6aedd94 Mount at boot Mount read only	÷.
	Step 6. Mou Click 'Mount		Content 2.73 TIB ext4 File System Partition Filesystem Name 3TB Eurp I Mount Point /mnt/wwn Mount Options nosuid,no Used -	-0x50014ee6aedd9450-par 1	Mount	
	Document Part	t No. 890-030 Re	₩5 Innovative Electronic S www.ness.com.au	olutions	Calify Roy Head Office only	
	NSW Ph 02 8825 sales@ness.com.au				VA Ph 08 9328 25	

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