

Setup Guide for:

104-VMS5 104-VMS5-SP

Ness VMS5 Server with NX Server Ness VMS5 Server with Spectrum Server

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NX SERVER / SPECTRUM SERVER

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

NX CLIENT / SPECTRUM CLIENT

To complete the setup of NX Witness or DW Spectrum on the VMS5 server and to view and playback footage, you'll need to run NX Client or Spectrum Client software on a PC or laptop that is connected to the same network as the VMS server.

CLIENT software must not be installed on this server.

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 usually supplied with a 1TB hard drive installed and mounted. The instructions on the following pages for mounting hard drives are provided for reference.





NX Client User Guide NX Client Download

ADMIN

Default credentials.

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

POWER UP STATE

Early model VMS5 units have a BIOS setting for 'Auto boot up on power restoral'. Late model VMS5 have a jumper (located on the motherboard near the button cell battery). Set the jumper to AUTO ON.

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





Spectrum User Guide Spectrum Client Download

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

VMS5 Servers are supplied with a hard drive pre-installed. The following information is provided only for reference.

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	
	K
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-		Limited access	🕐 Help 🔻	🔅 Session 👻
Q Search	A Web 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 admir	nistrative access	×
Password for nessvms:		
Authenticate	Cancel	

Go to Step 2 to mount drives.



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Step 2: Click into the Storage menu

UBUNTU							🔒 Unloc	ked 💄 NessVMSTest 🗸
	RessVMS-	Hardware Intel Corporation OEM	% of 4 CPU core:	5				
8 8	System	Asset Tag 123456789 Machine ID 1fafd2d4132e4c5f9	50					M
(Logs Storage	Operating System Ubuntu 18.04.6 LTS	0	15:05	15:06	15:07	15:08	15:09
	Networking	Secure Shell Keys Show fingerprints Host Name NessVMS-	3					
	Services	Domain Join Domain System Time 2023-03-24 15:09 ()	1					
	Terminal	Power Options Restart ~ Performance Profile none	MiB/s Disk I/O	15:05	15:06	15:07	15:08	15:09
			16 12 8					
			4	15:05	15:06	15:07	15:08	15:09
			Mbps Network Traff	ic				
			40					
			0	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	31							Unlocked NessVMSTest >
-	RessVMS-	KIB/s Reading			MiB/s Writing		RAID Devic	es 💽
6 00	System	96 64			96		No	storage set up as RAID
	Logs	32			34		Drives	
	Storage	15:05 15:06	15:07 15:08	15:09	15:05 15:06 15:07	15:08 15:09		WDC WD30EURX-63T0FY
	Networking	Filesystems					2	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 / 460 MiB	<u>e</u>	58.2 GiB Removable Drive R: 0.001 B/s W: 572 B/s
	Terminal	/dev/loop1	/snap/snapd/18357			49.9 / 49.9 MiB	Other Devi	ces

Step 4: Under 'Content' expand the 'F	File System' > Click Form	al
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UBUNTU			Unlocked	💄 NessVMSTest 🗸
	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)		
8 36	System	Drive		
	Logs	Model WDC WD30EURX-63T0FY0		
	Storage	Firmware Version 80.00480		
	Networking	Vorld 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/cda		
	Terminal			
		Content	Creat	e partition table
		✓ 2.73 TiB ext4 File System /dev/sda1		
		Partition Ellesystem		Delete
		Name 3TB Eurp HDD		Format
		Mount Point /mnt/wwn-0x50014ee6aedd9450-part1 Mount		
		Mount Options inosuid, nodev, nofail, noatime		
		useu -		



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followed by the World Wide Name. See

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/wwnthe 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	N		
	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)	Format /dev/sda1
8 36	System	Drive	Erase Don't overwrite existing data
	Logs	Model WDC WD30EURX-63T0FY0	Type ext4 - Red Hat Enterprise Linux 6 default v
	Storage	Firmware Version 80.00A80 Serial Number MD MACAN1023054	Name 3TB HDD (a)
	Networking	World Wide Name 0x50014ee6aedd9450	Mount Point /mnt/wwn-0x50014ee6aedd9450 (C)
	Accounts	Capacity 2./3 1iB, 3.00 TB, 3000592982016 bytes	Mount options 🗹 Mount at boot
	Services	Assessment Disk is OK(34.0° C / 93.2° F) Device File /dev/sda	Mount read only Custom mount options nosuid,nodev,nofail,noatime C
	Terminal		
		Content	Formatting a storage device will erase all data on it. Cancel Format
		✓ 2.73 TiB ext4 File System	/dev/sda1
		Partition Filesystem	

Step 6. Mount the drive. Click 'Mount'

2.73 TiB ext4 F	ile System
Partition File	system
Nan	ne 3TB Eurp HDD
Mount Poi	nt /mnt/wwn-0x50014ee6aedd9450-par i Mount
Mount Optio	ns nosuid,nodev,nofail,noatime
Usi	ed -

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