

Setup Guide for:

104-VMS5 104-VMS5-SP

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

Page 1 of 4

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.



Page 2 of 4

INSTALLING A NEW DRIVE

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

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	N.						🔒 Un	nlocked 💄 NessVMSTest 🗸
	RessVMS-	Hardware Intel Corporation OEM	% of 4 CPU co	ores				
6 26	System	Asset Tag 123456789	50					
	Logs	Machine ID 1fafd2d4132e4c5f9 Operating System Ubuntu 18.04.6 LTS	o	15:05	15:06	15:07	15:08	15:09
	Storage	賽 Bug Fix Updates Av	GIB Memory					
	Networking	Secure Shell Keys Show fingerprints	3					
		Domain Join Domain	2					
		System Time 2023-03-24 15:09 ()	0	15.05	15.05	15.07	15:00	15.00
	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 Tr	raffic				N
			40	1000	1000	17.07	1000	
				13.031	-206	(ad/)	12.06	1949



UBUNTU						🔒 Unlocked 💄 NessVMSTes
-	RessVMS-	KIB/s Reading			MiB/s Writing	RAID Devices
	System	96 64			96 64	No storage set up as RAID
	Logs	32			32	Deres
	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				2.73 TiB Hard Disk R: 0.00409 B/s W: 43.2 B/s
	Accounts	Name	Mount Point	Size		DA4064 (Ux3ed93f1e)
	Services	/dev/loop0	/snap/gnome-42-2204/65		460 / 460 MIB	R: 0.001 B/s W: 572 B/s
	Terminal	/dev/loop1	/snap/snapd/18357		49.9 / 49.9 MiB	
						Other Devices

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	6		Unlocked	🛓 NessVMSTest 🗸
-	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)		
B	System	Drive		
	Logs	Model WDC WD30EURX-63T0FY0		
	Storage	Firmware Version 80.00480		
	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
		2.73 TIB ext4 File System /dev/sda1		
		Partition Filesystem		Delete
		Name 3TB Eurp HDD Mount Point /mnt/wwn-0x50014ee6aedd9450-part1 Mount		Format
		Mount Options nosuid,nodev,nofail,noatime		
		Used -		



Page 4 of 4

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 $/{\rm mnt}/{\rm wwn}{\rm -}$)

Leave all other settings as default.

(e) Click 'Format'.

UBUNTL	L			
	RessVMS-	Storage > WDC WD30EURX-6310FY0 (WD-WMC4N1923954)	nat /dev/sda1	1
6 3	NessVMS- System Logs Storage Accounts Services Terminal	Storage → WDC WD30EURX-63T0FY0 (WD-WMC4N1923954) Drive Drive Model WDC WD30EURX-63T0FY0 Firmware Version 80.00A80 Serial Number WD-WMC4N1923954 World Wide Name 0x50014ee6seed89450 Capacity 2.73 TiB, 3.00 TB, 3000592982016 bytes Assessment: Disk is Ok(34.0° C / 93.2° F) Device File /dev/sda Content	Aat /dev/sda1 Erase E Type e Name 3 Mounting C ount Point // nt options	1 Don't overwrite existing data
		Used -		

Step 6: Mount the drive. Click 'Mount'

2.73 TIB	ext4 File	System	
Partition	Filesy	stem	
	Name	3TB Eurp HDD	
Mour	t Point	/mnt/wwn-0x50014ee6aedd9450-par 1	Mount
Mount C	ptions	nosuid,nodev,nofail,noatime	
	Used	-	

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