

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.

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





NX Client User Guide

NX Client Download



SPECTRUM User Guide



SPECTRUM Client Download



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 A NEW DRIVE

Step 1: Log into the server via Cockpit. Refer to the default username and password on the previous page. Make sure to select 'Reuse my password for privileged tasks'

UBL	JNTU 18.04.6 LTS	
User na Passwo	ame nessyms ord Reuse my password for privileged tasks er Options Log In	Server: NessVMS- Log in with your server user account.

Step 2: Click into the Storage menu

NessVMS-	Hardware, Int	el Corporation	% of 4 CPU o	cores				
	00	M						
ystem	Asset Tag 12	3456789	50					L.
ogs	Machine ID 1fa Operating System Ub	afd2d4132e4c5f9 ountu 18.04.6 LTS	o	15:05	15:06	15:07	15:08	15:09
torage	∦ Bu	g Fix Updates Av	GiB Memory					
letworking ccounts	Host Name Ne	essVMS-	3					
ervices	Domain Join System Time 20.	n Domain 23-03-24 15:09 🚯	1	15-05	(ADAM)	15.47	147-00	15-00
erminal	Power Options R	ne	MiB/s Disk I/O	15:05	15.06	15307	15/08	15:09
			16					
			8					
			0	15:05	15:06	15:07	15:08	15:09
			Mbps Network 1	Traffic				
			40					
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	gs covardsing counts rvices rminal	85 Machine ID 14 oroge ↓ Bu exvorking Secure Shell Keys Sh Host Name Na Counts Domain Joi rvices System Time 20 Power Options ℝ Performance Profile no	82 oroge exvorking counts trvices trminal Machine ID: 1fafd2d4132e4c5f9 Goperating System: Ubuntu 18.04.6 LTS	82 Machine ID 1fafd2d4132e4c5f9 0 oroge Image: System Ubuntu 18.04.6 LTS Image: System Ubuntu 18.04.6 LTS Image: System Ubuntu 18.04.6 LTS eworking Secure Shell Keys Show fingerprints Image: System Ubuntu 18.04.6 LTS Image: System Ubuntu 18.04.6 LTS counts Domain Join Domain Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 rminal Power Options Restart Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Missi Derformance Profile none Missi Disk I/O Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Missi Derformance Profile none Missi Disk I/O Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:24 15:09 Image: System Time 2023.03:2	8 Machine ID 1fafd2d4132e4c5f9 0 1505 exording Secure Shell Keys Show fingerprints a 4 vices Domain Join Domain 3 2 priminal Power Options Restart v 15.05 Performance Profile none 15.05 Mathine ID 15.05 15.05	8 Machine ID 1fafd2d4132e4c5f9 0 15:05 15:06 working Bug Rx Updates Av Secure Shell Keys Show fingerprins 15:05 15:06 wices Domain Join Domain System Time 2023:03:2415:09 • 15:05 15:06 Power Options Restart v Neis Dick I/O 15:05 15:06 Meter Network Traffic 15:05 15:06 Meter Network Traffic 15:05 15:06	8 Machine ID 14rd/2d4132e4c5f9 oroge Bug Fix Updates Av scourts Bug Fix Updates Av rotes Domain Join Domain vices Domain Join Domain System Time 2023:03:241509 • Power Options Restriction Performance Profile none Meir Dick I/O 15:05 15:06 15:07 Meir Dick I/O 15:05 15:06 15:05 15:06 15:07	8 Machine ID 1 frédded132e4c5f9 oroge Big RV Updates Ku Secure Shell Keys Show fingerprins Mostine ID System Time System Time 202303241500 P Power Options Restriction Portormance Profile none Main ID Lik I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505 1506 1507 1508 Miller Dick I/O 1505



UBUNTU						🔒 Unlocked 💄 NessVMSTest
-	RessVMS-	KIB/s Reading			MiB/s Writing	RAID Devices
	System	96 64			96	No storage set up as RAID
	Logs	0			0	Deites
	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 (0x3ed93f1e)
	Services	/dev/loop0	/snap/gnome-42-2204/65		460 / 460 MIB	58.2 GIB Removable Drive R: 0.001 B/s W: 572 B/s
	Terminal	/dev/loop1	/snap/snapd/18357	2	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	Î)		Unlocked	🛓 NessVMSTest 🗸
	RessVMS-	Storage > WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)		
æ	System	Drive		
	Logs	Model WDC WD30EURX-63T0FY0		
	Storage	Firmware Version 80.00480 Serial Nimber - WD-WMC4N1073054		
	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
		✓ 2.75 TIB ext4 File System /dev/sda1		
		Partition Ellesystem		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'.

UBUNTU				
	NessVMS-	Storage * WDC WD30EURX-63T0FY0 (WD-WMC4N1923954)	Format /dev/sda1	
23	Networking Accounts Services Terminal	Drive Model WDC WD30EURX-63T0FY0 Model WDC WD30EURX-63T0FY0 Model WDC WD30EURX-63T0FY0 Serial Number WD-WMC4N1923954 Model Name W	Format /dev/sda1 Erase Don't overwrite existing data Type ext4 - Red Hat Enterprise Linux 6 default Type ext4 - Red Hat Enterprise Linux 6 default Type ext4 - Red Hat Enterprise Linux 6 default Type ext4 - Red Hat Enterprise Linux 6 default Type ext4 - Red Hat Enterprise Linux 6 default vite Mount optiong Custom (b) vite Mount options Mount act boot Mount read only custom mount options in suid/nodev.nofail.noatime Construct Formatting a storage device will erase all data on it. Cancel	
		Name 3TB HDD Mount Point 0x50014ee6aedd9450 Mount Mount Options nosuid.nodev.nofail.noatime Used -		

Step 6: Mount the drive. Click 'Mount'

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

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