



Setup Guide for:

104-VMS3 Ness VMS3 Server with NX Server - No HDD

104-VMS3-SP Ness VMS3 Server with SPECTRUM Server - No HDD

## 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, email: [sales@ness.com.au](mailto: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](mailto:techsupport@ness.com.au)



NX Client  
User Guide



NX Client  
Download



SPECTRUM  
User Guide



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

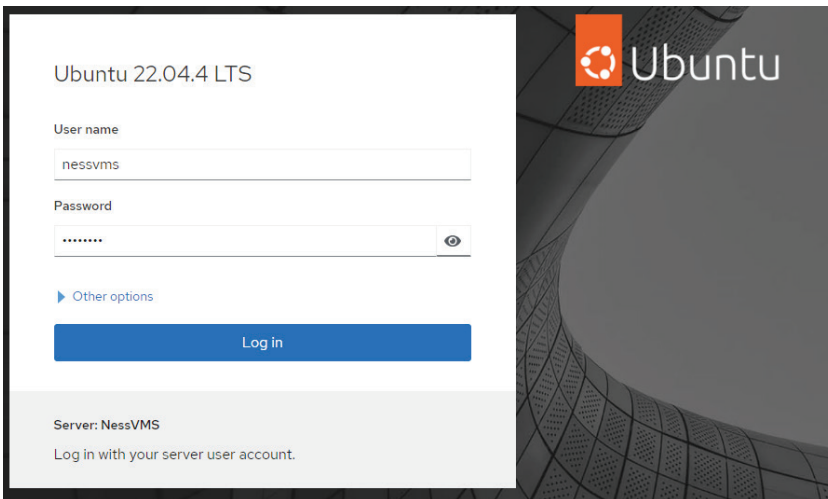
## INSTALLING A NEW DRIVE

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.

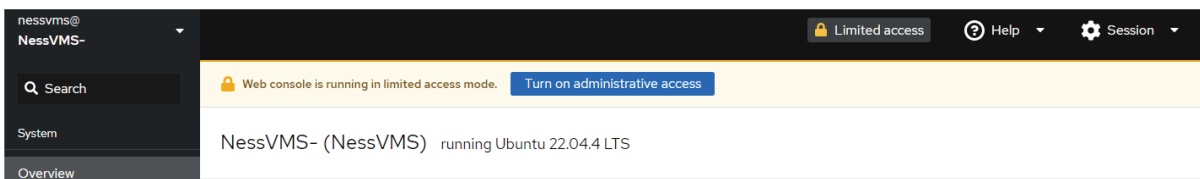
## MOUNTING A NEW DRIVE

Step 1: Log into the server via Cockpit.

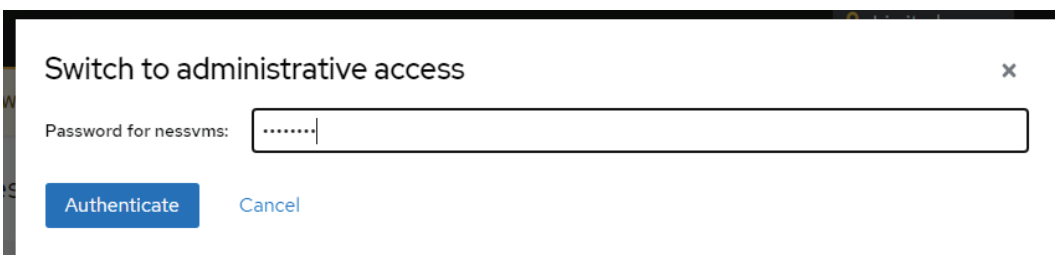
Refer to the default username and password on the previous page.



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

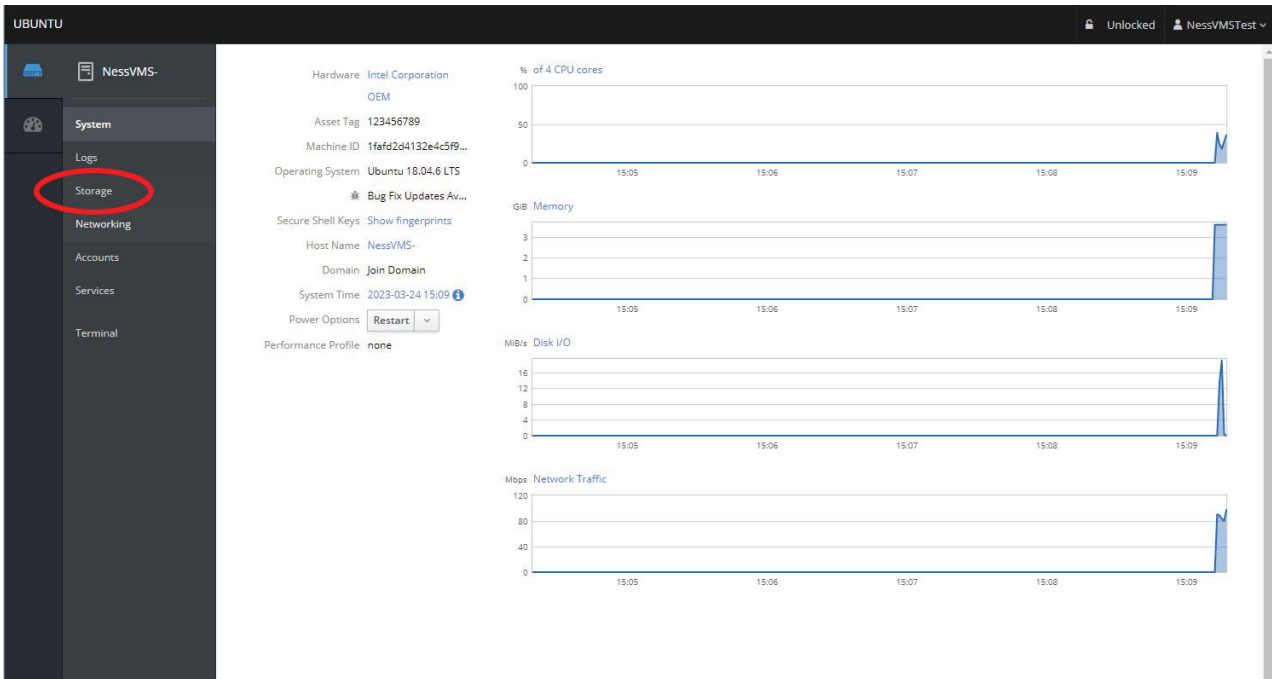


Go ahead and Authenticate.

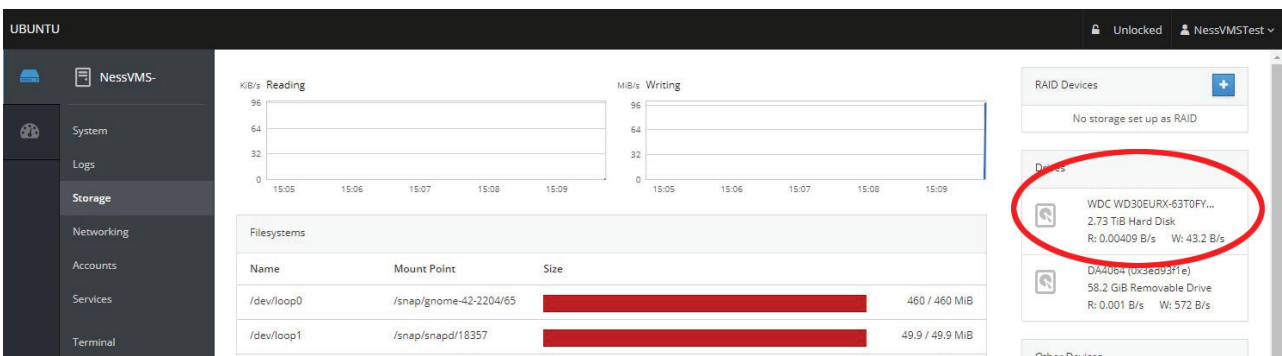


Go to Step 2 to mount drives.

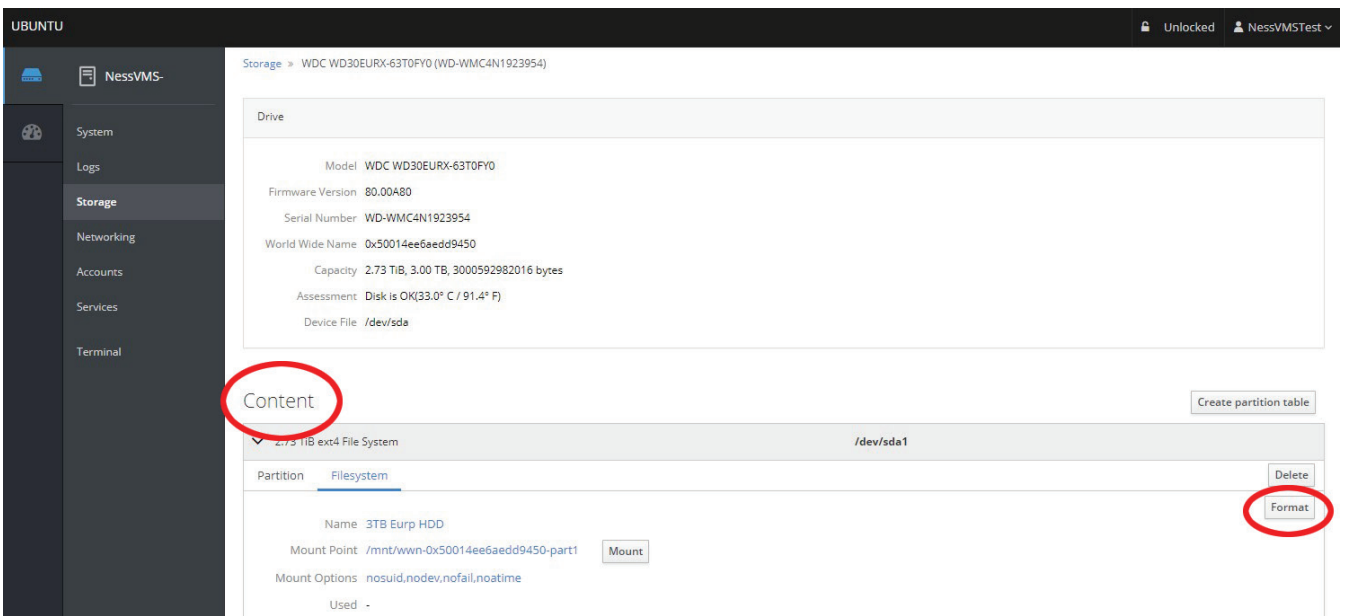
## Step 2: Click into the Storage menu



## 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



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'.

The screenshot shows the 'Format /dev/sda1' dialog box in the Ubuntu storage manager. The fields are:
 

- Erase: Don't overwrite existing data
- Type: ext4 - Red Hat Enterprise Linux 6 default
- Name: 3TB HDD (a)
- Mounting: Custom (b)
- Mount Point: /mnt/wwn-0x50014ee6aedd9450 (d)
- Mount options:  Mount at boot,  Mount read only,  Custom mount options: nosuid,nodev,nofail,noatime (c)

 A red circle (e) highlights the 'Format' button at the bottom right.

Step 6: Mount the drive.  
Click 'Mount'

The screenshot shows the 'Content' view of the storage manager. Under the '2.73 TiB ext4 File System' section, the 'Partition' tab is selected. The details for the partition are:
 

- Name: 3TB Eurp HDD
- Mount Point: /mnt/wwn-0x50014ee6aedd9450-part1
- Mount Options: nosuid,nodev,nofail,noatime
- Used: -

 The 'Mount' button is circled in red.

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