

## Product Release Notes: NComputing vSpace<sup>®</sup> version X-3.1.5.3.14374 for 32-bit or 64-bit Ubuntu 10.04 LTS Desktop

Thank you for using NComputing products. These release notes contain important information regarding the newest available release for your NComputing desktop virtualization kit. NComputing recommends you read the entire document prior to installation.

**Product:** NComputing X350 and X550 vSpace for Ubuntu 10.04 LTS Desktop.

**Version:** L-3.1.5.4 32-bit – vspace-x\_3.1.5.4.14374.71\_ubuntu-10.04\_i686.deb  
L-3.1.5.4 64-bit – vspace-x\_3.1.5.4.14374.71\_ubuntu-10.04\_amd64.deb

### What's New:

This maintenance release replaces the previous X-series vSpace 3.1.4-r11001 release for 32-bit Ubuntu 10.04. The following is a summary of the key changes from the previous release.

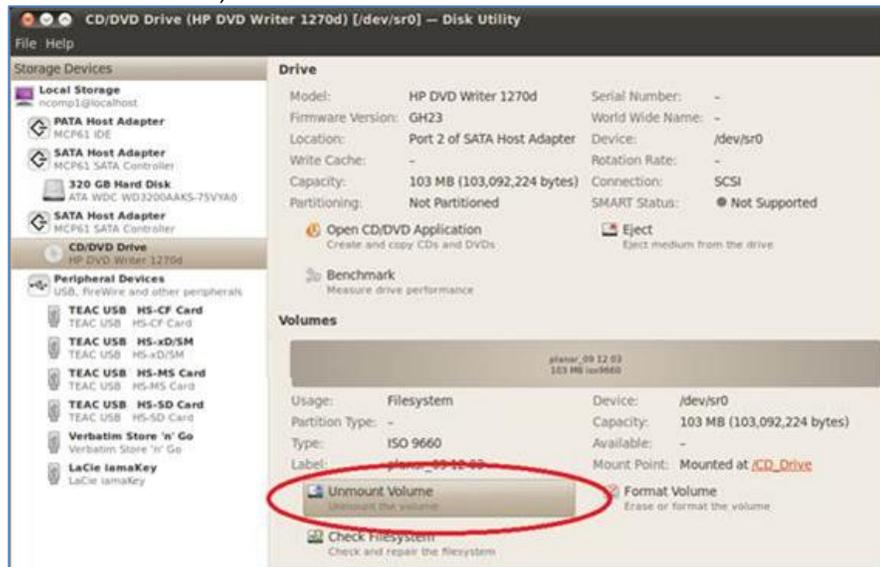
- **Registration integrated into Installer:** Customer registration data is now entered during the interactive installation process, and if internet access is available to the host system, the software will automatically be registered. If internet access is not available, registration will proceed once internet access is available – or offline registration can be used.
- **Support for 64-bit version of Ubuntu 10.04:** This release adds a second install package which implements X-series card support for 64-bit Ubuntu 10.04
- **USB disk-on-keys inserted into host USB ports:** are not seen by other sessions on the vSpace host. Use the “Host USB Assignment” section of the NComputing Administration Console to permit other sessions to access disk-on-keys plugged into host USB ports, and specify access as read-only, read/write, etc. to individual host ports.

### Notes on this Release

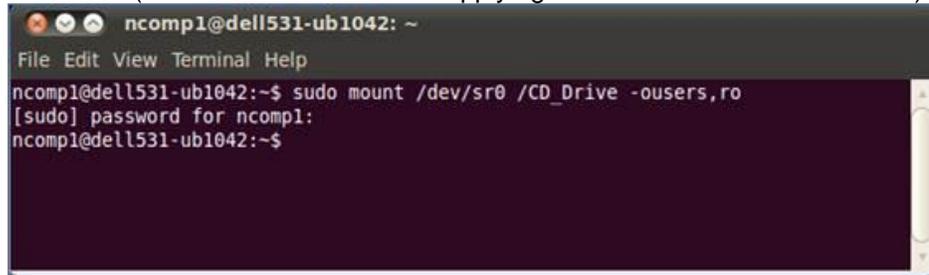
- Install by first building a clean Ubuntu 10.04.3 LTS Desktop system, and then use the Ubuntu “Update Manager” to download and apply all system updates. This vSpace release has been tested with kernel 2.6.32-39-generic.
- You can download the Ubuntu 10.04.3 LTS Desktop ISO's from: <http://old-releases.ubuntu.com/releases/lucid/>
- vSpace-x\_3.1.5.4.14374.71 can be downloaded from: <http://www.ncomputing.com/softwaredownload>
- An Internet connection must be available during the X-series vSpace package installation to allow download and installation of dependent packages located in the Ubuntu package repository maintained by the Ubuntu community

## Tips & Errata Items

- Once the NCconsole enables Auto-Logon for an X-series station, you cannot disable the Auto-logon settings. You can modify Auto-logon settings to another username/ password, but not disable it. (You can manually work around this problem, by deleting the “autologin.conf” file.)
- The File menu of the NCconsole has no option to set an "Administrator Password" to open the NC-Console; however, it defaults to the Admin password for the Ubuntu host.
- Uninstalling X-series vSpace for Ubuntu 10.04 does not delete configuration files “autologin.conf” and “vspace.conf”; so reinstalling the .deb package will reuse any previously entered data for auto-registration and auto-login settings.
- Please read the Ubuntu\_10.04.2\_X-series\_Install\_Guide\_Mar11\_2011.pdf (<http://www.ncomputing.com/kb/afile/286/197/>) for more install information.
- From inside an X-series user session, the “Restart” and “Shut Down” options perform the same function as clicking on the “Log Out” option.
- As in the previous release, you should perform follow steps to allow user sessions to access a CD/DVD inserted into the host’s CD/DVD drive.,
  - use the Ubuntu “Disk Utility” under “System > Administration” to unmount the CD/DVD after Ubuntu auto-mounts it when the CD/DVD is inserted into drive. (see screen shot below)

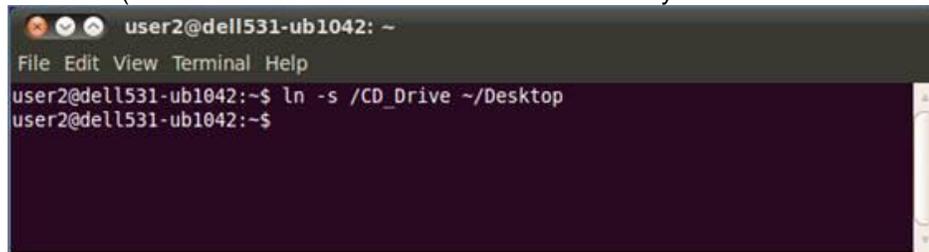


Then open a terminal and use the “`sudo mount /dev/sr0 /CD_Drive -ousers,ro`” command to mount the CD in the CD drive (with Read Only privileges) to a pre-existing File System “mount point” which can be seen and accessed by all sessions. (screen shot below shows applying the command to mount the CD)



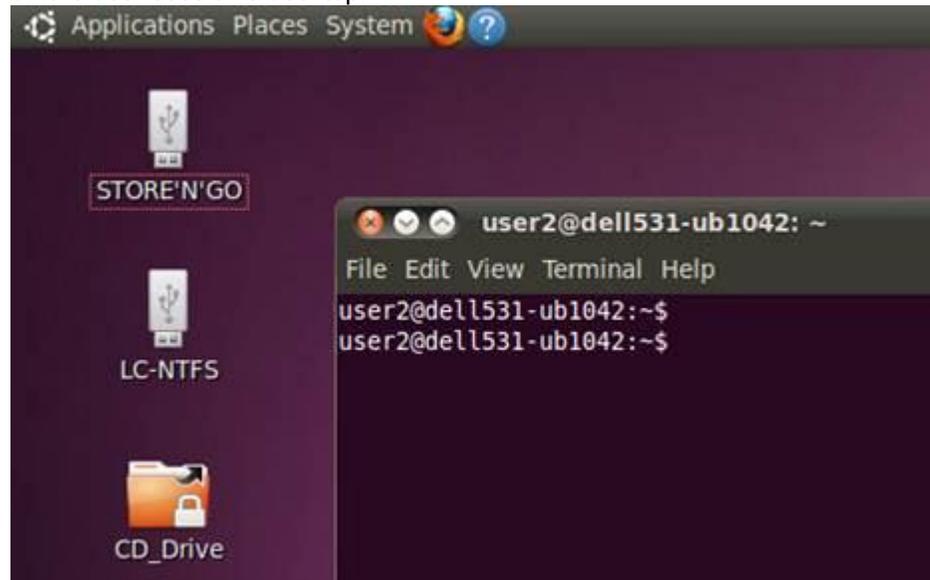
```
ncomp1@dell531-ub1042: ~
File Edit View Terminal Help
ncomp1@dell531-ub1042:~$ sudo mount /dev/sr0 /CD_Drive -ousers,ro
[sudo] password for ncomp1:
ncomp1@dell531-ub1042:~$
```

To make it easier for users to access the CD in the drive, you can create a symbolic link on each session’s Desktop to make the CD’s mount point show up on the desktop like a Windows shortcut. This way a student can easily find and access the CD data. (screen shot below shows how to create this symbolic link on the Desktop)



```
user2@dell531-ub1042: ~
File Edit View Terminal Help
user2@dell531-ub1042:~$ ln -s /CD_Drive ~/Desktop
user2@dell531-ub1042:~$
```

The screen shot below shows how the USB drives and the CD mount point appear on the user session’s desktop.



To change out the CD in the drive with another CD, you need to “unmount” it using the Ubuntu “Disk Utility” and then mount it again using the

```
sudo mount /dev/sr0 /CD_Drive -ousers,ro
```

command after you insert the new CD into the drive. The same “CD\_Drive” symbolic link on all the user desktops will then allow the students to access files on the new CD

## Contacting Technical Support and Additional Resources

- Visit NComputing's Knowledge Base at <http://www.ncomputing.com/kb/> for more information.
- To request Technical Support, please visit the NComputing Support area at <http://www.ncomputing.com/techsupport>
- For general information about NComputing please visit us at <http://www.ncomputing.com>

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