



# Linux Install and Removal Guide

## Install or Remove vSpace for L and M Series on Linux Ubuntu 12.04

### PLEASE NOTE

- In this document it will be assumed that you possess knowledge and skill of the Linux Operating System and Terminal.
- Make sure you read through the release notes before installing.
- vSpace for Linux is *distro* and *kernel* specific. You will need to install the exact distro version and avoid updates that change

### Download and install the distro

Use the 12.04.2 ISO from the Ubuntu old releases site.

<http://old-releases.ubuntu.com/releases/12.04.2>

When scrolling down this webpage, you should be able to see a number of distro images that are available to you. Choose the appropriate one for your computer's architecture.

Ensure that you download the exact version 12.04.02.

When installing the distro, uncheck *Download updates when installing* and do not install third party software. You may be able to update when your NComputing platform is installed and registered. When the time is right, updates should be tested before installation. Always exclude updates that modify the kernel.

### Downloading vSpace

You can download vSpace from our website by going to the *Support* tab and *Software Downloads*. You can also enter this address in your browser:

[www.ncomputing.com/software-downloads](http://www.ncomputing.com/software-downloads)

You will be required to log in. If you do not have credentials, create a free new account to access the website.

### Preparing to run the installer

Once the package is saved, extract the contents by right clicking the .zip archive and select *Extract Here*. This will unzip the compressed archive and deliver the expanded version right next to it.

Within the unzipped folder, there will be two important files: A *Release Notes* PDF and a Shell Script named *vspace-l\_3.2.2.27.24515.241.sh*.

Move the shell script to the desktop for easy access. This is optional, but will be done this way in this document.

## A HELPFUL TIP

When entering the file path of the shell script, you can just drag and drop the shell in the terminal after the `chmod u+x` command. This will populate the rest of the path for you. Just be sure to clean up the path from extra spaces and quotation marks.

## Running the shell script through Terminal

Log in through Terminal as a Super User by typing:

```
sudo su
```

Hit *Enter* and type in your password when required.

Then, type:

```
chmod u+x /home/your username/Desktop/vspace-1_3.2.2.27.24515.241.sh
```

Once you hit *Enter* again, Terminal will be ready for your next command.

Last, enter this command in Terminal:

```
bash /home/your username/Desktop/vspace-1_3.2.2.27.24515.241.sh
```

Installation process should begin after you hit *Enter*.

From this point the installer should begin and walk you through the rest of the vSpace Server installation.

## Installer highlights

When entering your personal data when required, be sure to enter your phone number with dashes in between. For example: *000-000-0000*

Allow some time for the terminal to install the dependencies. This may vary depending not the hardware specs and network speed.

## After installation

You can find the NComputing Console in your *Dash Home*. You will be asked for your Linux user password to run it.

After restart, registration is mandatory in order for our system to work properly.

Look on the top left in the vSpace Management Console. There are three round, blue icons and you will use the one in the center. Once you click on it, the registration wizard will begin. You should be able to do online and offline registration.

The registration process will be exactly the same as the Windows counterpart. More information about this process can be searched on our knowledgebase [kb.ncomputing.com](http://kb.ncomputing.com).

## If you ever need to remove vSpace

You can easily uninstall vSpace through the Ubuntu Software Center.

However, a full removal of vSpace can be done by deleting the *NComputing* folder from your *File System*. It is located in */var/opt/ncomputing*, and the folder will be locked under special permissions. Therefore, you will need to run the file manager in Super User mode. One way of doing this will be the following:

In Terminal type:

```
gksudo nautilus
```

A file browser will open. Click on *var > opt* and right click to delete the *NComputing* folder.

Finally, restart your computer.

This should delete the vSpace software and license information.

## A final word about Linux

Once vSpace is registered and working, from this point most of the operation, maintenance and support of Linux will rely on your ability and expertise along with what the Linux platform is able to support in multiuser mode. There are features that you may find supported in Windows that may not be supported by Ubuntu yet. You are welcome and encouraged to explore the features supported by your system and by vSpace.

Moreover, you are also welcome to reach our support on any inquiry or matter regarding vSpace or your NComputing terminals.

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