

# **Linux - CentOS 6 Install Guide**

# **Information:**

This simple guide is intended to assist System Administrators in the Installation of CentOS for Studywiz hosting. The CentOS web site can be found here <a href="http://www.centos.org/">http://www.centos.org/</a>

In short, CentOS is an open source repackage of Red Hat Enterprise Linux (RHEL).

If you require an Operating System with support we recommend Red Hat Enterprise Linux.

http://www.redhat.com/

RHEL and CentOS and the only supported and recommended Linux versions for Studywiz and these two distributions provide the most capable and powerful platform for running Studywiz.

CentOS 6.0 x86\_64 was used for the images in this guide. To get the most from your hardware, the 64Bit versions (x86\_64) should be installed. Note that both physical and Virtual servers are suitable.

As detailed in the "pre install check list" document, a Studywiz server should be dedicated to the task of serving Studywiz.

Running this install will wipe any existing data from the server.

#### Important:

Under most circumstances the Installer will suggest a disk layout scheme with most of the space devoted to a large /home volume. This is undesirable for a Studywiz server. Please be sure to remove this volume and allocate the space to the root (/) volume.

## **Getting Started**

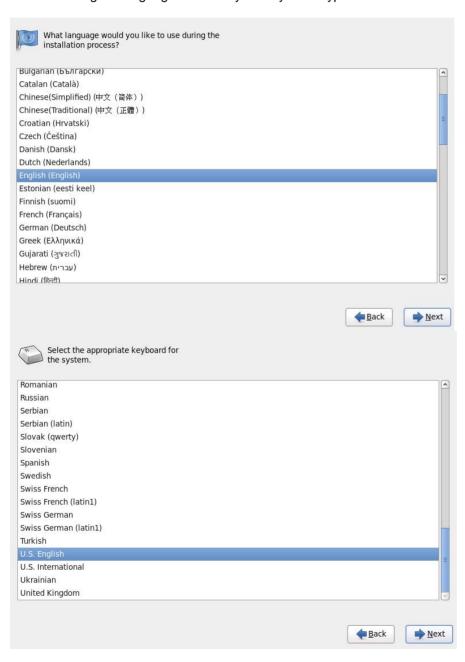
Most users will select the top menu option.



If you have not already done so, we recommend that you check the disk.



Select the English language and then your keyboard type.



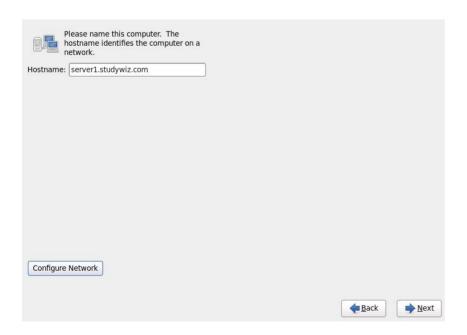
Basic Storage will suit most setups.



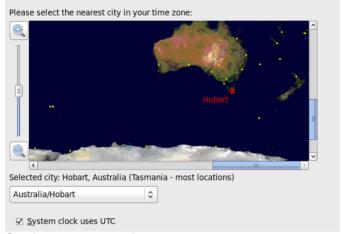
You may receive this warning from the installer. If you do, Re-initialize all and continue.



Set the Servers name, this can be the full name of your Studywiz deployment (FQDN) if you don't have a specific name for your server. Skip the network setup.



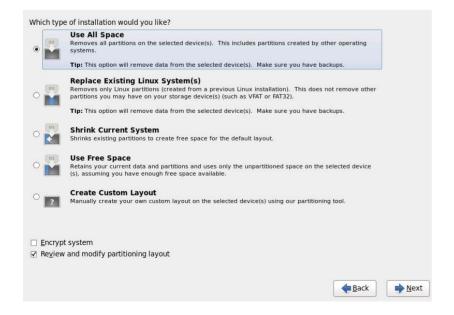
# Select your location



#### Set the root password



Use all space should be used for almost all installs. **Critically**, check ""Review and modify partitioning layout"

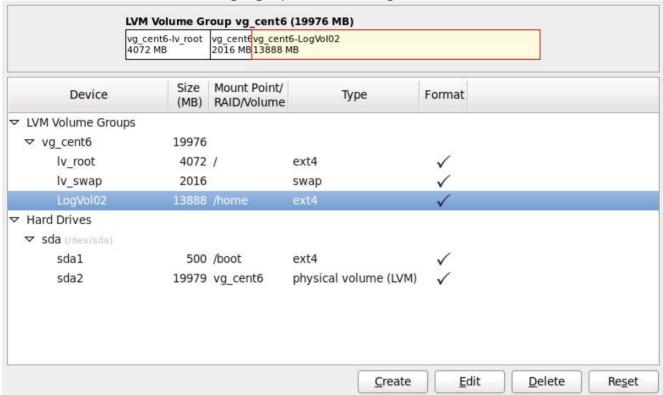


Correcting the disk layout - /home

You can skip this section if you do not need to alter your disk layout.

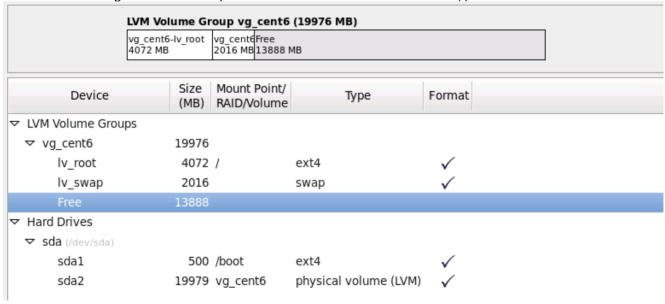
The use of LVM is highly recommended, as this allows for easier volume resizing or similar operations in the future.

You can see below that the installer is going to proceed with a large /home volume.



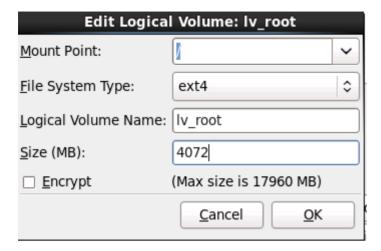
Select it by clicking on it. Click delete

We now have a large chunk of free space that needs to be added to the root (/) volume.

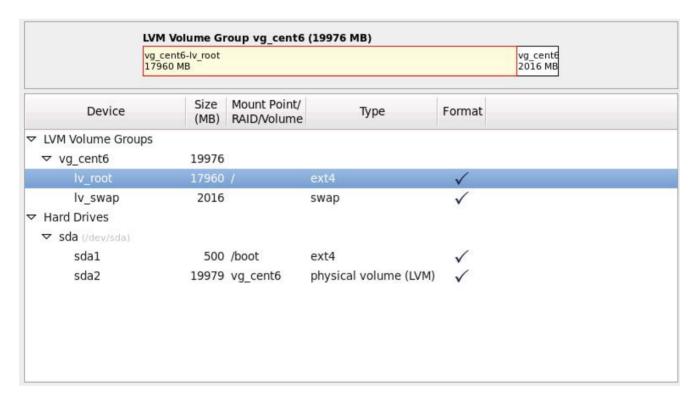


Select the root volume and click edit.

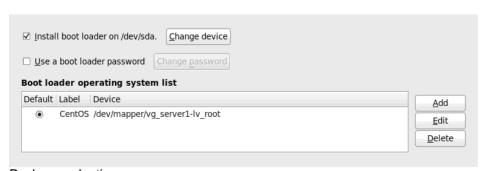
Update the size field so that it is the same as the max size value, this will use up all free space.



You will now see that all free space is used up. This is correctly configured for Studywiz use.

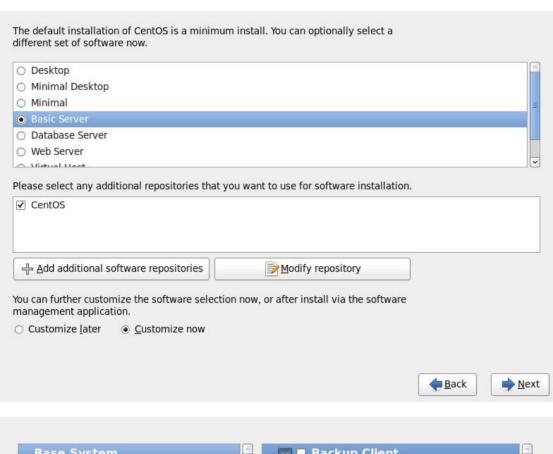


Install boot loader, normally no change required.



Package selection

## Choose Basic server and check "Customise now"





The below is a good general selection of packages for a Studywiz server. Support will install any extra packages that they may require during Studywiz install time. You can of course install any extra packages required for your environment such as postfix for email notifications or SNMP support.

#### Base system

Base

Compatibility libraries

Debugging tools

Hardware monitoring utilities

Large systems performance

#### Servers

Server platform

#### **Databases**

MySQL Database client MySQL Database server

Once you click next, the install will continue to the end, the reboot screen.

If you are using CD images or have selected packages that reside on disk 2 of the DVD image, you will need to swap a disk or two before the install is completed.

You may now leave the server unattended if you wish.

Once the server has rebooted, there are a couple of post install tasks.

- 1. system-config-network. Use this tool to enter the server's network configuration.
- 2. yum –y update. This will fully update the system to the latest package versions.

The server is now ready for Studywiz installation by Studywiz support. Send the pre install check list to support if you have not already done so.