Oracle E-business Suite R-12.1.3

Red Hat Linux 5.6 Installation

Preparation of Linux for EBS R12

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Oracle E-business Suite R-12.1.1 –Redhat Linux Installation, preparation of Linux for EBS R12-1.1

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This document is to facilitate the user to install Redhat Installation 5.6 on VMware for getting ready to install Oracle eBusiness suite R12.1.1.

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About Red Hat

Red Hat, the world's leading open source and Linux provider. For more information about Red Hat, visit www.redhat.com

Contents

1. Red Hat Installation

RedHat Linux 5.6 Installation is done on Laptop with following specs available with us:

HP Laptop Pavilion dv6
HDD: 600
RAM: 6GB
Host OS: Windows 7
Guest OS: Redhat Linux 5.6
VMware Workstation 8

Assumptions:
Installation of VMware workstation and Creation of VMware is already completed
Redhat Linux 5.6 iso image or DVD media is available

Disk Space Requirements for Oracle eBusiness Suite R12.1.1, as at this point of time you should be very clear what space required so that accordingly we can create mount points in Linux.

Fresh Installation:
Applications tier/node files system: 35GB
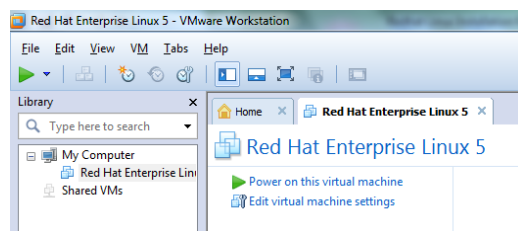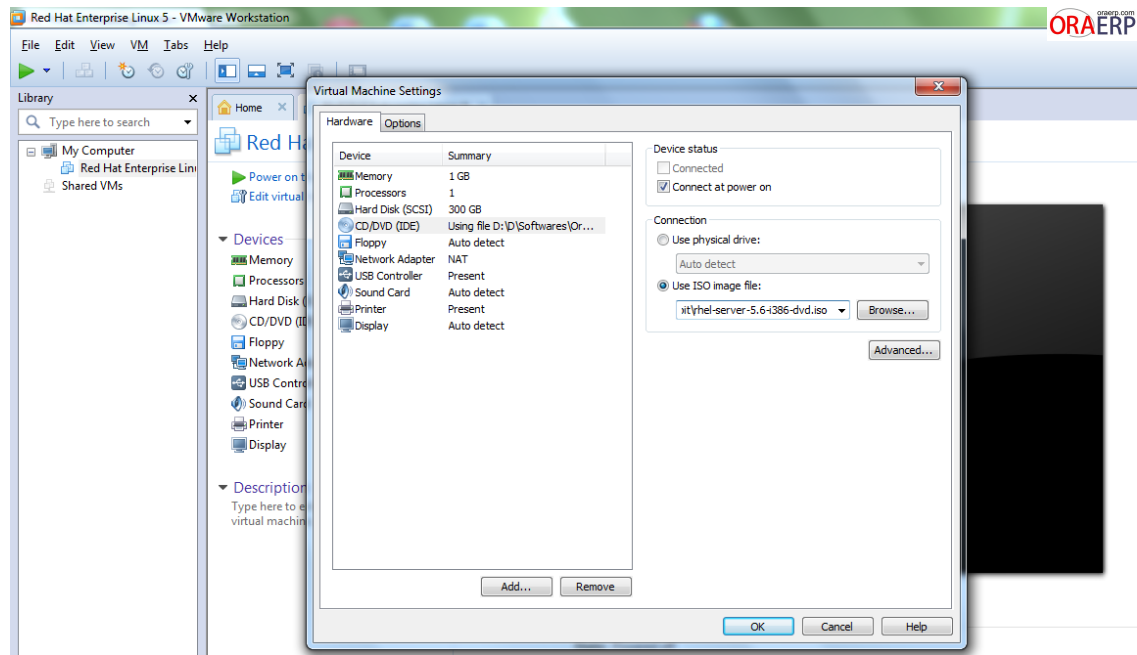Database tier/node files system: 55GB
Total Capacity of HD Size: 90GB

Vision Installation:
Applications tier/node files system: 35GB
Database tier/node files system: 208GB
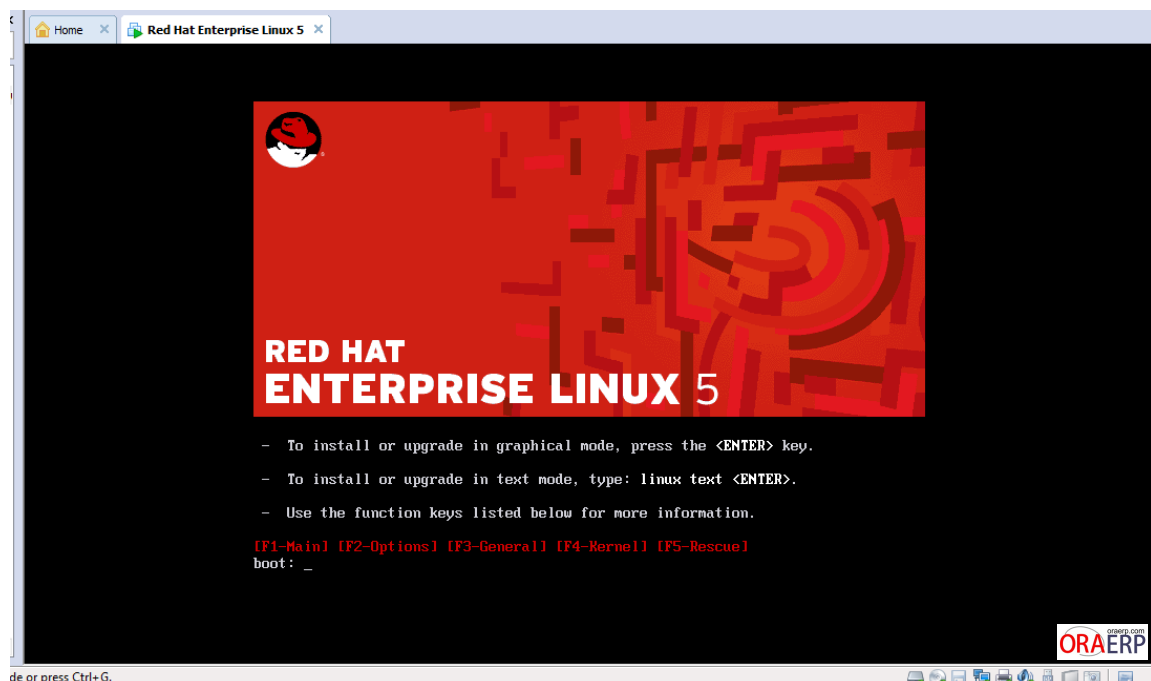Total Capacity of HD Size: 243GB

The database node disk space requirements for both the production database and the Vision Demo database include database files (.dbf) and the 11gR1 database Oracle Home.
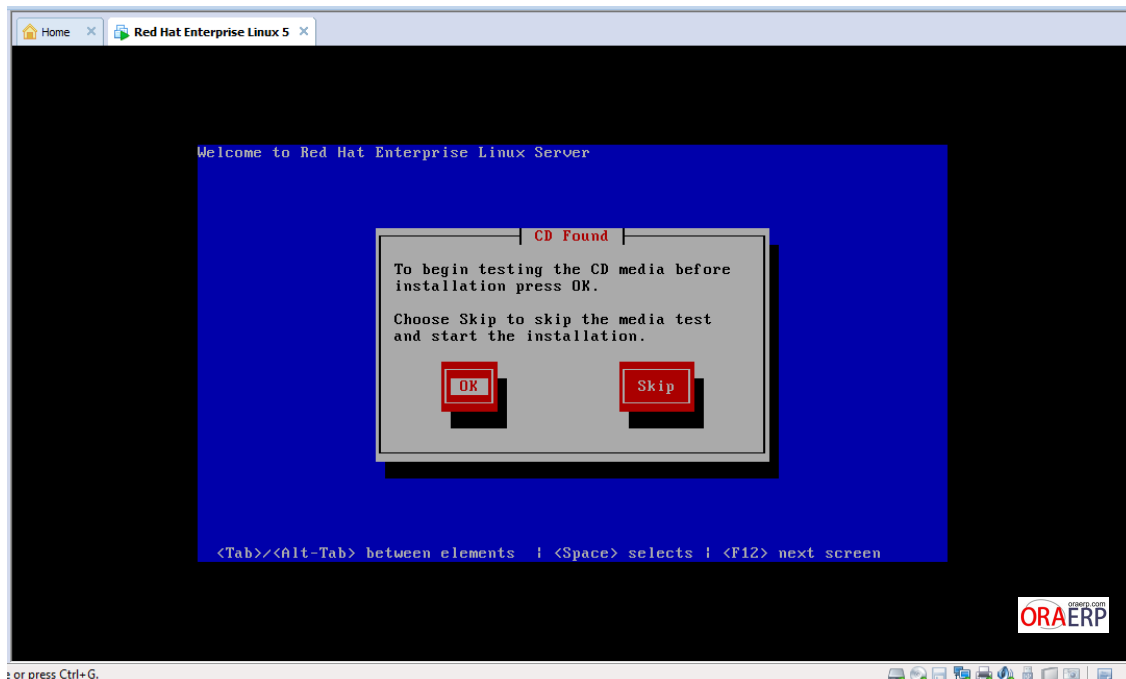Reference: CPU, Memory, Disk Space Requirement (Page 23)

1-In Virtual machine setting chose option – Use ISO Image File and brows to location of your installer image and select,
Press OK

2-Select 'Power on the This Virtual Machine'

- To install or upgrade in graphical mode, press the <ENTER> key.

- To install or upgrade in text mode, type: linux text <ENTER>.

- Use the function keys listed below for more information.

[F1-Main] [F2-Options] [F3-General] [F4-Kernel] [F5-Rescue]
boot: _

3-To Install in Graphical mode, please chose 1st option and press the ENTER key

4-The installer will offer you if you want to check the DVD media before installation. If you already tested media or iso image you can press the "tab" key to move focus to the "Skip" key, then press the "Enter" key to continue


5-First page of the Installation wizard, Press NEXT

The Welcome screen does not prompt you for any input. From this screen you can access the Release Notes for Red Hat Enterprise Linux by clicking on the Release Notes button.
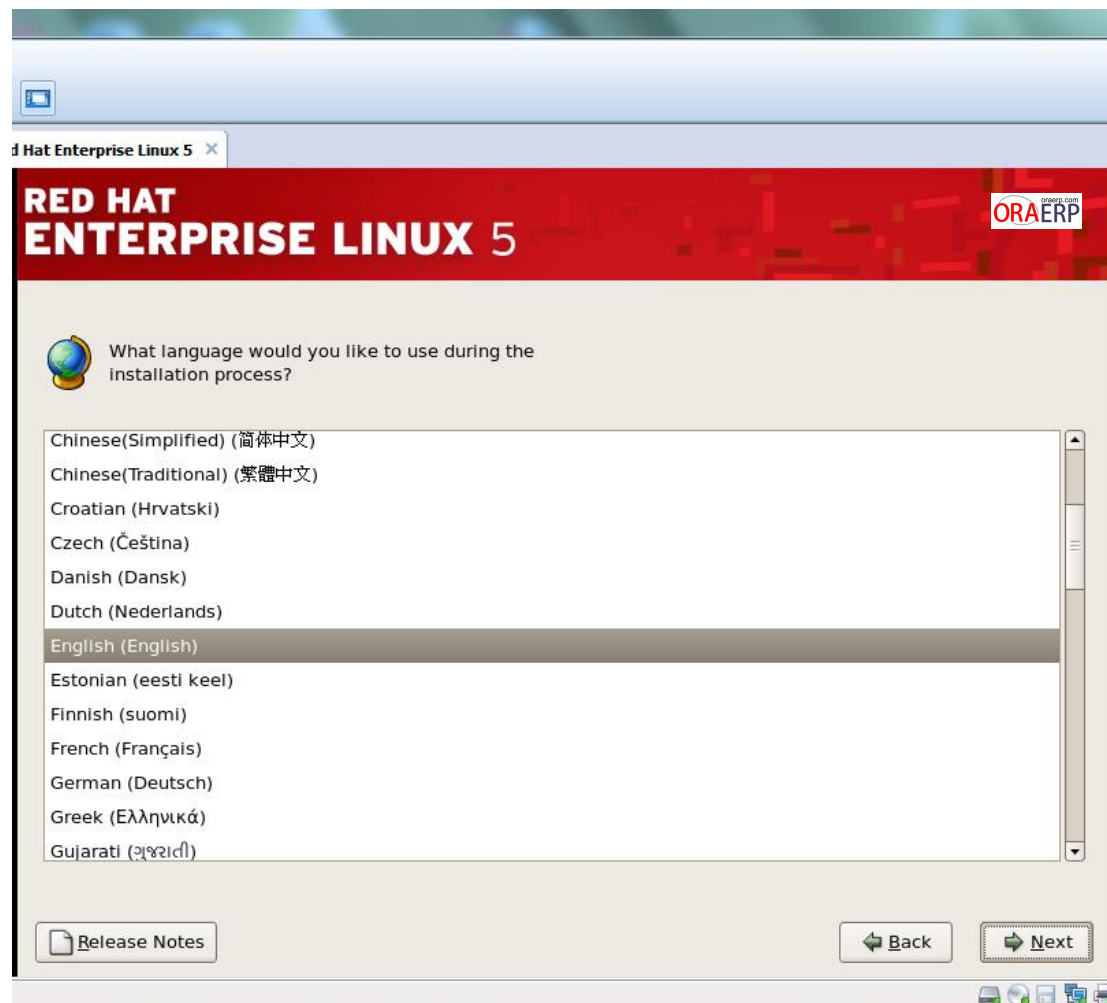
6-Select the Language that will be used during the installation, we will choose English but you can select your appropriate language and press Next
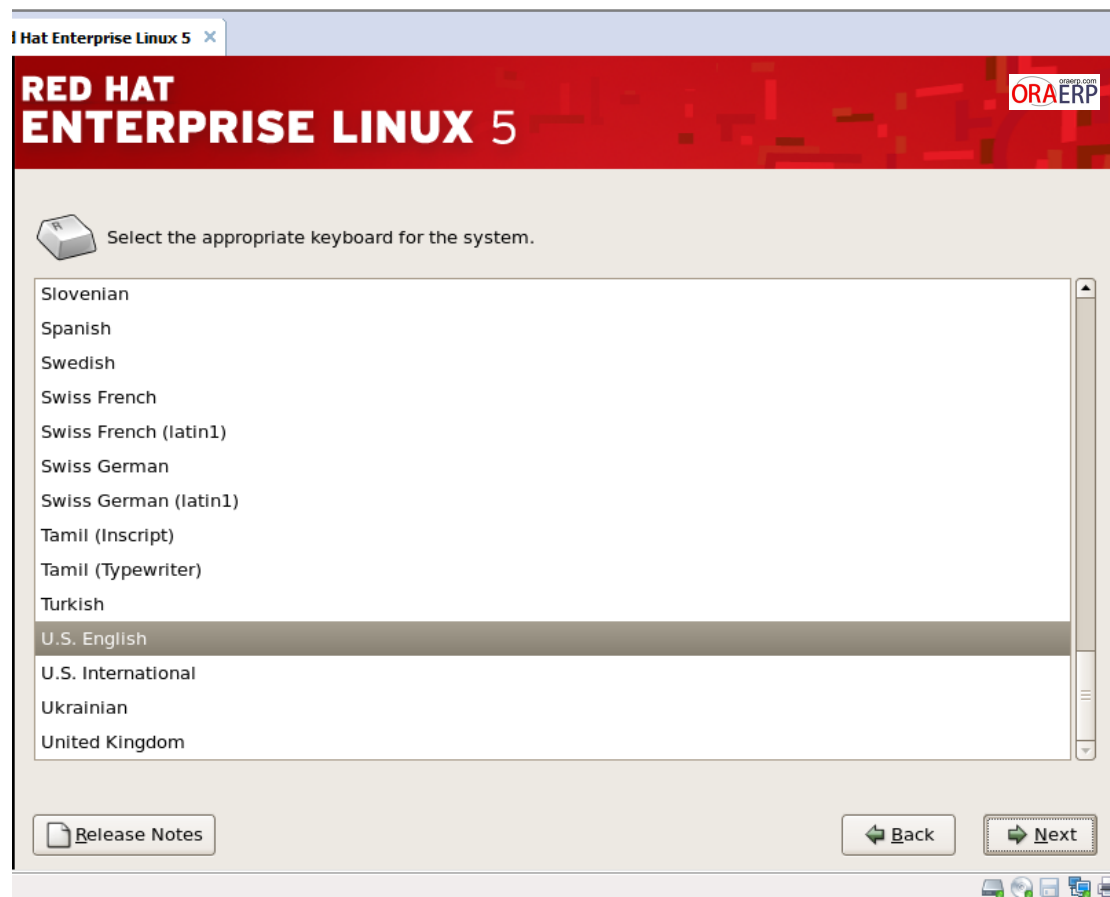
7-Select keyboard type, we will choose US English and press NEXT

To change your keyboard layout type after you have completed the installation, use the **Keyboard Configuration Tool**.

Type the **system-config-keyboard** command in a shell prompt to launch the **Keyboard Configuration Tool**.

8-In this step to put your installation number. You may skip entering this number if you don't have one.
This number will determine the package selection set that is available to the installer. If you choose to skip entering the installation number you will be presented with a basic selection of packages to install later on.
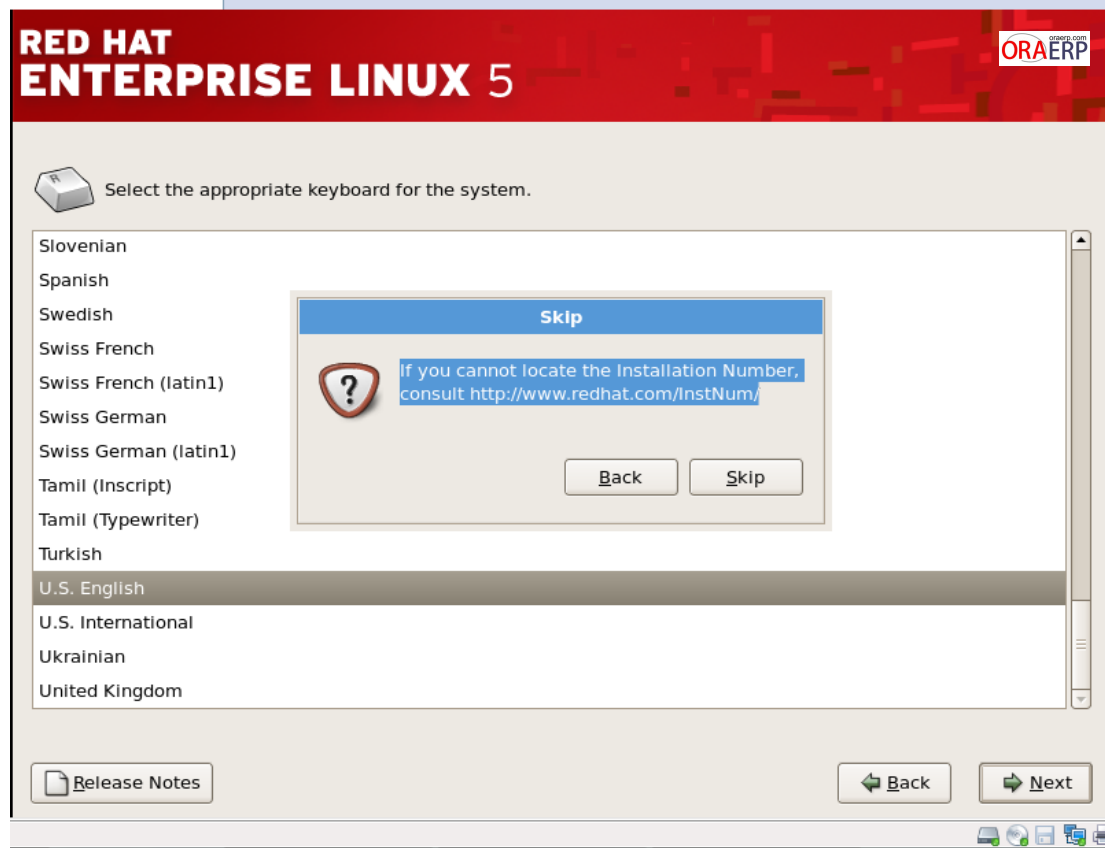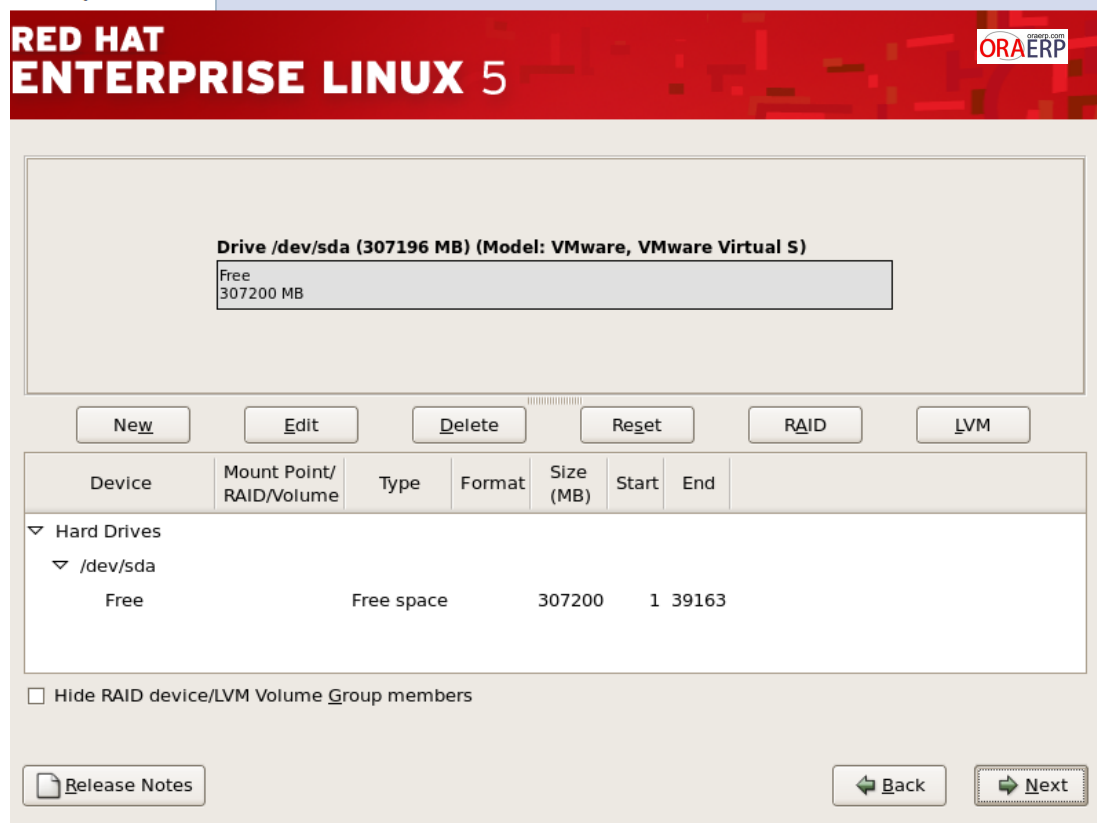
9-Choose Yes option to proceed for partitioning

Partitioning allows you to divide your hard drive into isolated sections, where each section behaves as its own hard drive.
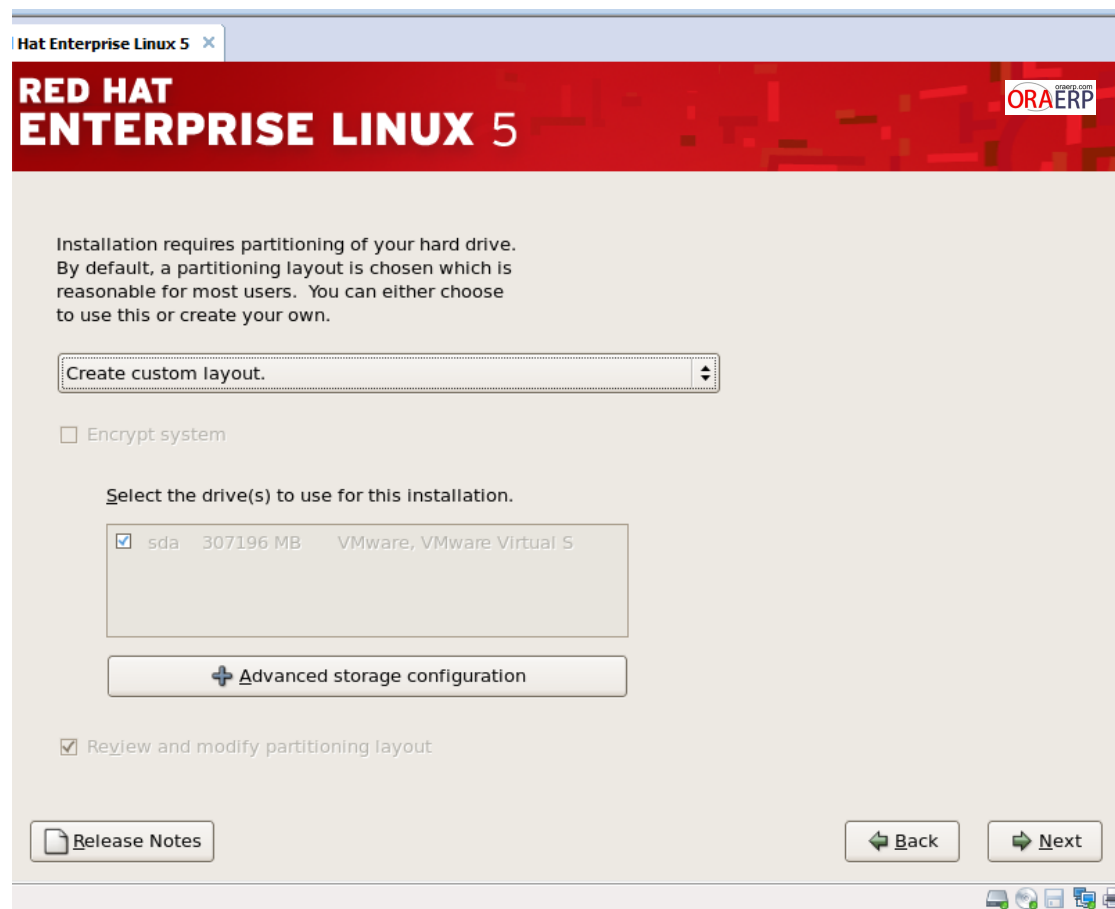
10-We will choose "Create custom layout" and create the partitions as we need on the disk based on the space requirement for installation of Oracle eBusiness Suite R12.1.1

11-Here this will show all free space of the disk allocated for VMware. Click "New" to create a partition
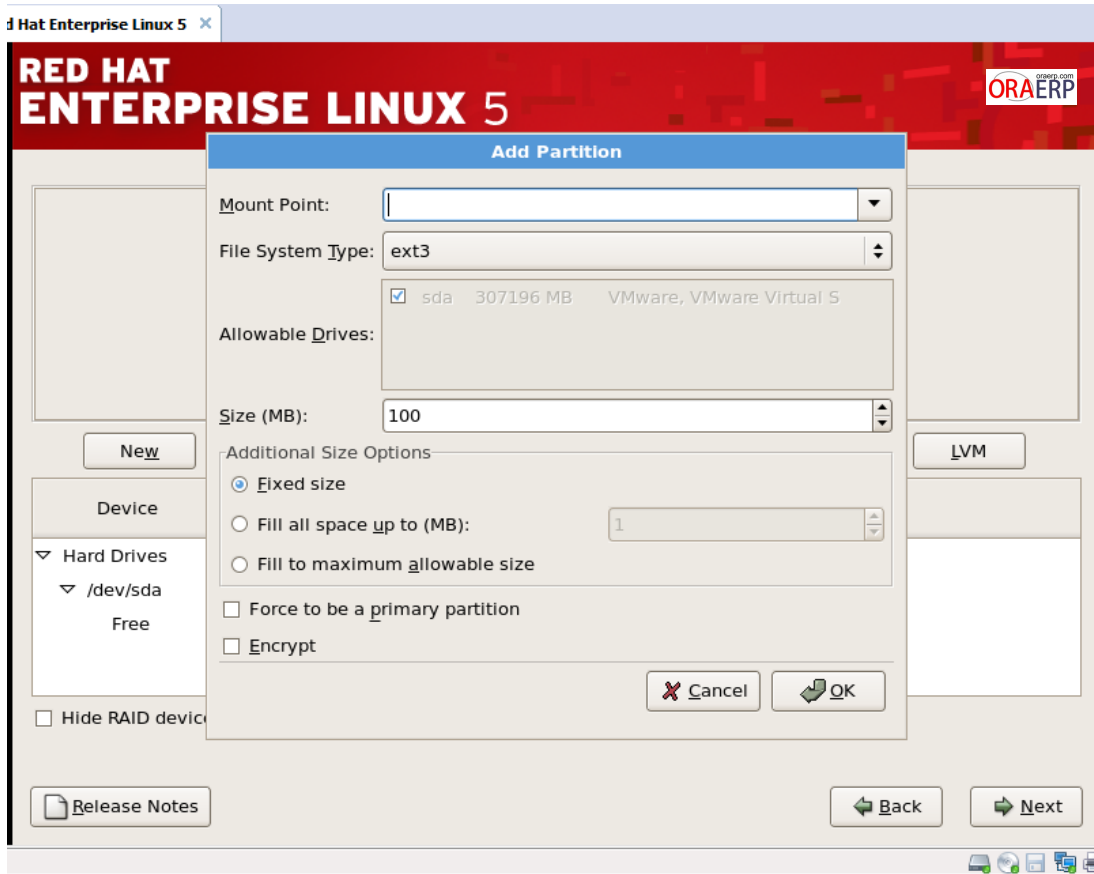
Mount Point: Enter the partition's mount point. For example, if this partition should be the root partition, enter **/**; enter **/boot** for the **/boot** partition, and so on. You can also use the pull-down menu to choose the correct mount point for your partition. For a swap partition the mount point should not be set - setting the filesystem type to swap is sufficient.

File System Type: Using the pull-down menu, select the appropriate file system type for this partition. Usually we will choose default file system.

Allowable Drives: This field contains a list of the hard disks installed on your system. If a hard disk's box is highlighted, then a desired partition can be created on that hard disk.

Size (MB): Enter the size (in megabytes) of the partition. Note, this field starts with 100 MB; unless changed, only a 100 MB partition will be created.

Additional Size Options: Choose whether to keep this partition at a fixed size, to allow it to "grow" (fill up the available hard drive space) to a certain point, or to allow it to grow to fill any remaining hard drive space available.

If you choose **Fill all space up to (MB)**, you must give size constraints in the field to the right of this option. This allows you to keep a certain amount of space free on your hard drive for future use.

Force to be a primary partition: Select whether the partition you are creating should be one of the first four partitions on the hard drive. If unselected, the partition is created as a logical partition **Encrypt**: Choose whether to encrypt the partition so that the data stored on it cannot be accessed without a passphrase, even if the storage device is connected to another system

OK: Select **OK** once you are satisfied with the settings and wish to create the partition
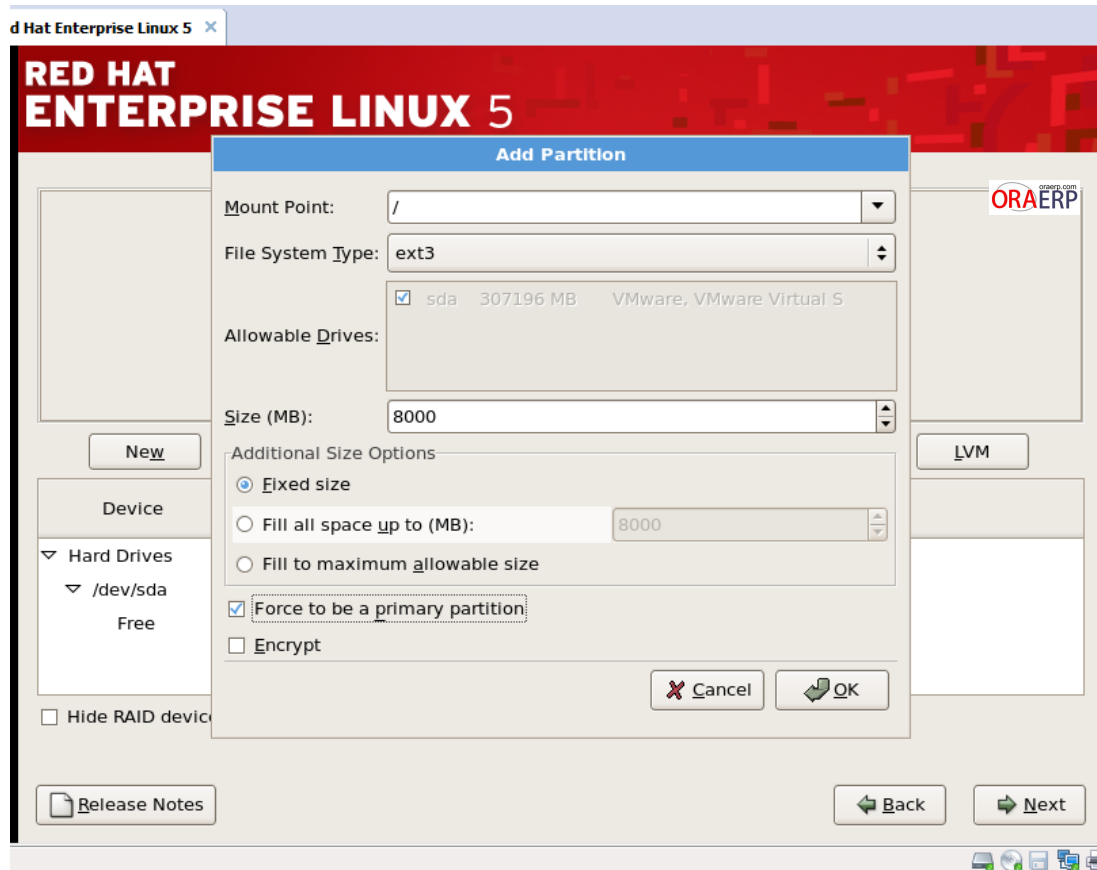
12-A **root** partition (3.0 GB - 5.0 GB) — this is where "**/**" (the root directory) is located. In this setup, all files (except those stored in **/boot**) are on the root partition. A 3.0 GB partition allows you to install a minimal installation, while a 5.0 GB root partition lets you perform a full installation, choosing all package groups.

In this installation we have chooses 8GB space of the disk.
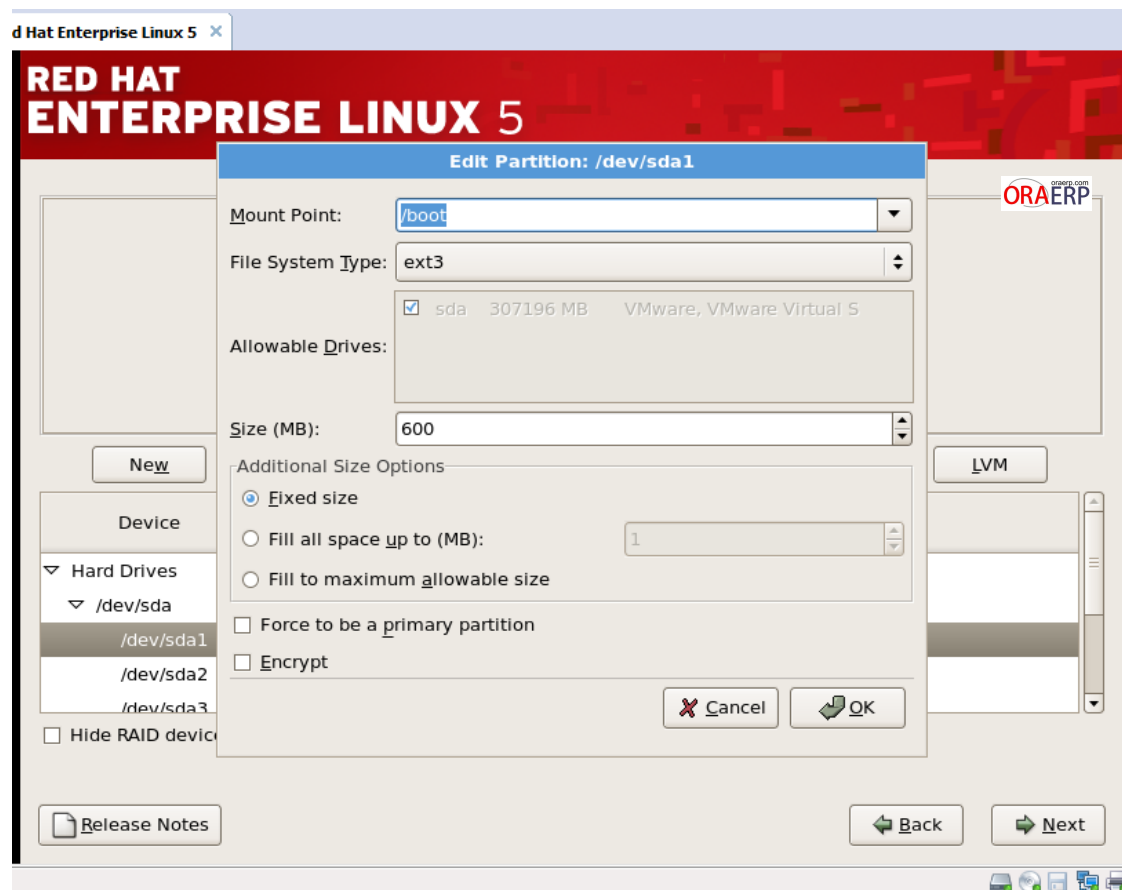
13-A **/boot/** partition (250 MB) — the partition mounted on **/boot/** contains the operating system kernel (which allows your system to boot Red Hat Enterprise Linux), along with files used during the bootstrap process. Due to limitations, creating a native ext3 partition to hold these files is required.
For most users, a 250 MB boot partition is sufficient

For this installation we have chooses partition size 600m.
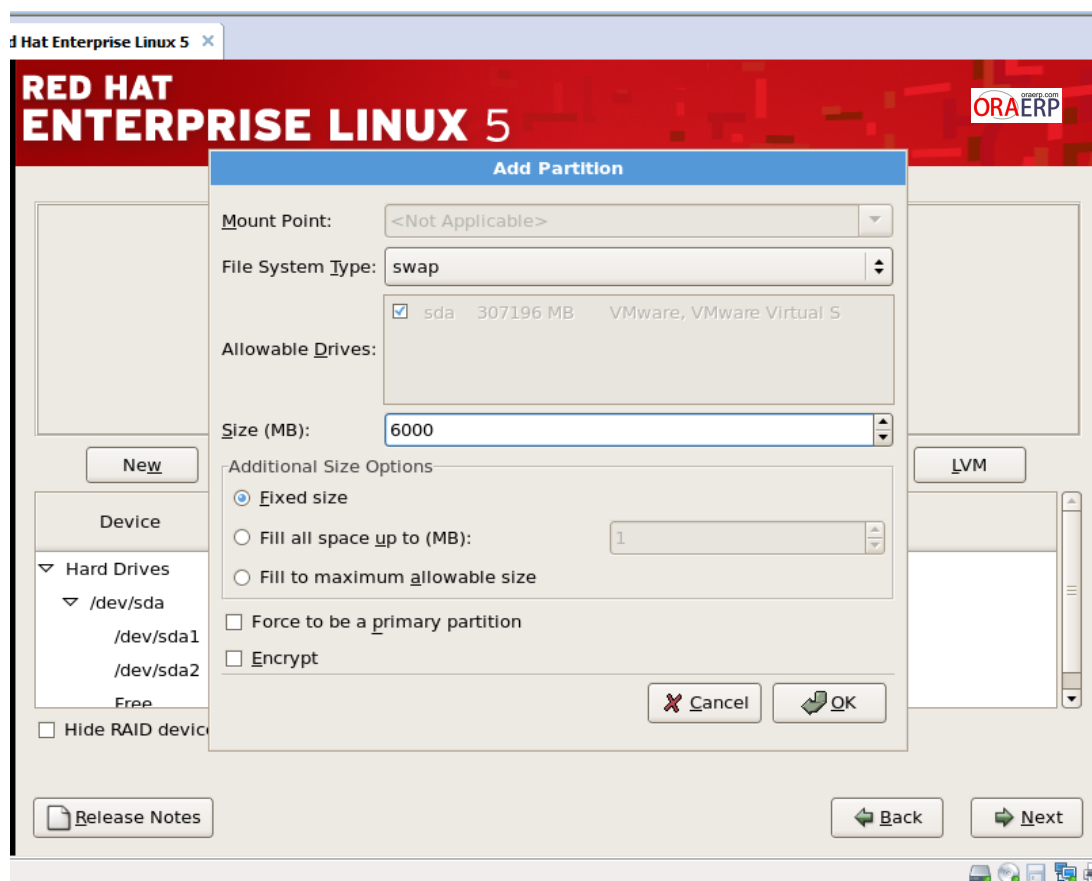
14- A swap partition (at least 256 MB) — swap partitions are used to support virtual memory. In other words, data is written to a swap partition when there is not enough RAM to store the data your system is processing.

In years past, the recommended amount of swap space increased linearly with the amount of RAM in the system. But because the amount of memory in modern systems has increased into the hundreds of gigabytes, it is now recognized that the amount of swap space that a system needs is a function of the memory workload running on that system.

However, given that swap space is usually designated at install time, and that it can be difficult to determine beforehand the memory workload of a system, Red Hat recommend determining system swap using the following table. For further details check on redhat.com

Recommended System Swap Space

Amount of RAM in the System	Recommended Amount of Swap Space
4GB of RAM or less	a minimum of 2GB of swap space
4GB to 16GB of RAM	a minimum of 4GB of swap space
16GB to 64GB of RAM	a minimum of 8GB of swap space
64GB to 256GB of RAM	a minimum of 16GB of swap space
256GB to 512GB of RAM	a minimum of 32GB of swap space

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