

SUN MICROSYSTEMS

OracleFusion Series

JeOS-ubuntu-08-04.3 virtualbox image setup

Global Software Sales

Sun Project : Oracle Fusion 11g Middleware

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1. Document Control

1.1. Revision History

Version	Author	Reason For Issue	Date
0.1	Patrice.goutin@sun.com	Initial draft	01/15/2010

1.2. Document Access Control

Section	Access Restrictions
All	Internal use only

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2. Introduction

This tutorial is the 1st part of the following serie :

- Part1 - JeOS-ubuntu-08-04.3 virtualbox image setup – this document
- Part2 – Oracle SOA Middleware Fusion 11gR1 installation & configuration on JeOS-ubuntu-08-04.3 virtualbox image
- Part3 – jDeveloper installation & configuration

2.1. The intention of the tutorial “Part1 - JeOS-ubuntu-08-04.3 virtualbox image setup”

The purpose of this lab is to introduce you with the installation of JeOS-ubuntu-08-04.3 operating system under VirtualBox in order to setup Oracle SOA Middleware Fusion 11gR1.

2.2. What is JeOS-ubuntu-08-04.3?

The JeOS-ubuntu-08-04.3 is a specialised installation of Ubuntu 08-04.3 with a tuned kernel that only contains the base elements needed to run within a virtualized environment.

There is no limitation to distribute the JeOS-ubuntu-08-04.3 internally or externally at Sun Microsystems as there is no license restriction with Ubuntu.

2.3. The intention of JeOS-ubuntu-08-04.3 virtualbox image?

The JeOS-ubuntu-08-04.3 virtualbox will be used to install a complete Oracle SOA Middleware Fusion 11gR1 system. The SOA system runs on Oracle WebLogic Server 10.3.2, with an Oracle-XE database being used as a SOA's dehydration store. The virtual image contains all the required elements to start executing a full SOA demonstration in a few minutes.

The intention of this image is to allow users to get familiar with Oracle SOA Middleware Fusion 11gR1 very quickly. This image offers a time-saving approach to deploy a fully configured SOA system.

In this JeOS-ubuntu-08-04.3 virtualbox image we will setup the following software in the order it is shown.

1. Database

If you don't already have an Oracle database installed, choose [Oracle Express Edition](#) for a small footprint database. (Oracle XE is suitable for development only. Ignore the warning during installation about the database version as that pertains to production installations.)

2. WebLogic Server

Download WebLogic Server from the [FMW download page](#), in the **Runtime Software** section.

3. Repository Creation Utility

Download RCU from the [FMW download page](#), in the **Required Additional Software** section.

4. SOA Suite

Download SOA Suite from the [FMW download page](#), in the **Runtime Software** section.

On a separate system or your laptop, we will setup :

1. JDeveloper

Download JDeveloper from the [FMW download page](#). Look for **JDeveloper and Application Development Framework** in the **Required Addition Software** section.

SOA Extension for JDeveloper

Install the SOA Extension using the JDeveloper Update Center. From the JDeveloper menu choose **Help > Check for Updates**. In the **Update Wizard**, select **Search Update Centers** and ensure **Oracle Fusion Middleware Products** is checked ([screenshot](#)). Then ensure that **Oracle SOA Composite Editor** is checked ([screenshot](#), your version may not match the screenshot exactly). The SOA Extension is approximately 200 MB.



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3. Pre-Installing


3.1. Download

Download VirtualBox 3.1.2 : <http://www.virtualbox.org/wiki/Downloads>

Download jeos ubuntu 08-04.3 : <http://www.ubuntu.com/products/whatisubuntu/serveredition/jeos>

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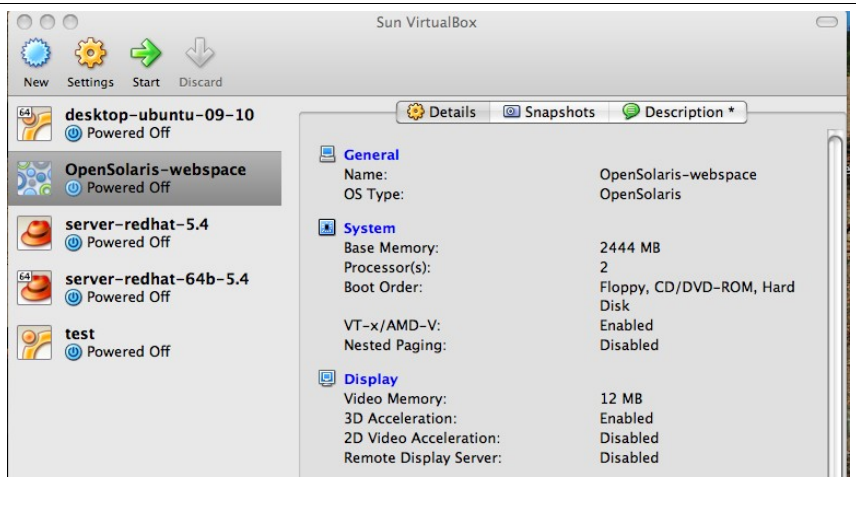

4. Setup & installation JeOS-ubuntu-08-04.3 virtualbox image

 This configuration has been made on MAC OS X 10.5, btw it is also applicable for Windows XP and Linux.

4.1. VirtualBox installation

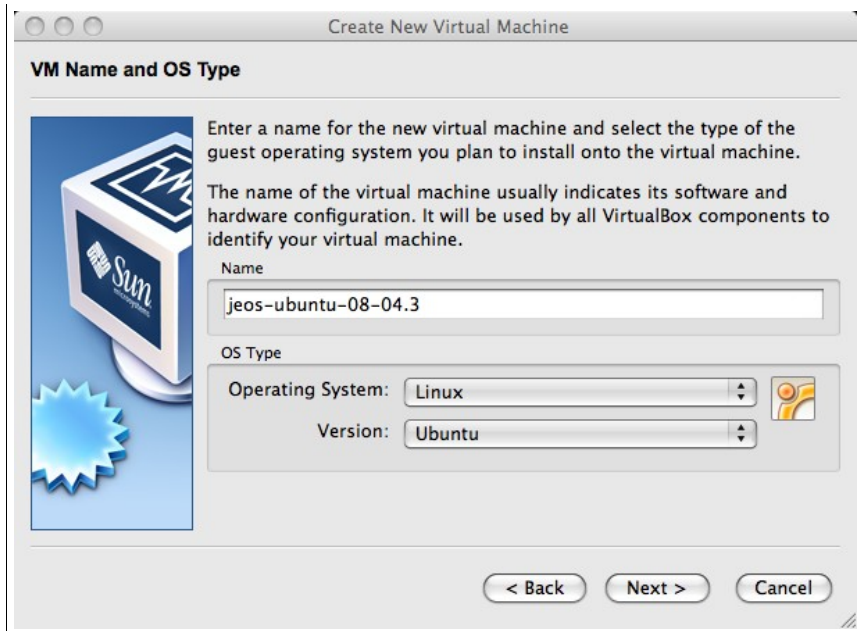
We assume VirtualBox 3.1.2 is already installed on your system. For more information, please have a look to the VirtualBox User manual : <http://dlc-cdn-rd.sun.com/c1/virtualbox/3.1.2/UserManual.pdf>

4.2. Pre-Configuration of the JeOS-ubuntu-08-04.3 virtualbox image

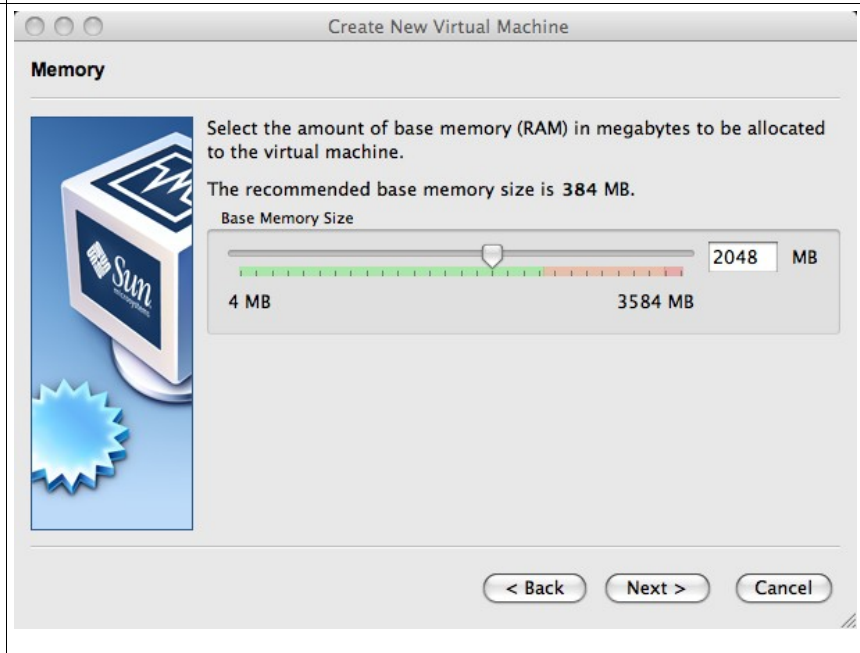
Step	Screenshot
Start VirtualBox	
Create a new VirtualBox and click Next to proceed.	

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Provide a Name as "jeos-ubuntu-08-04.3" and choose Operating System = Linux Version = Ubuntu and click Next to proceed.



Define the Base Memory Size according to your host system and click Next to proceed.



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Create a new hard disk for jeos-ubuntu-08-04.3 and click Next to proceed.

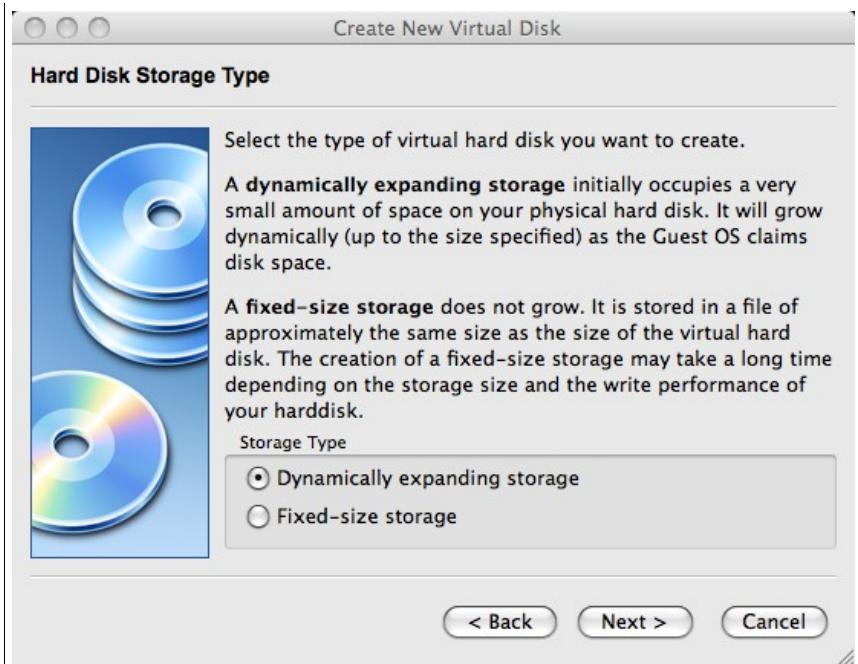


A wizard starts to help you in creating the hdd and click Next to proceed.

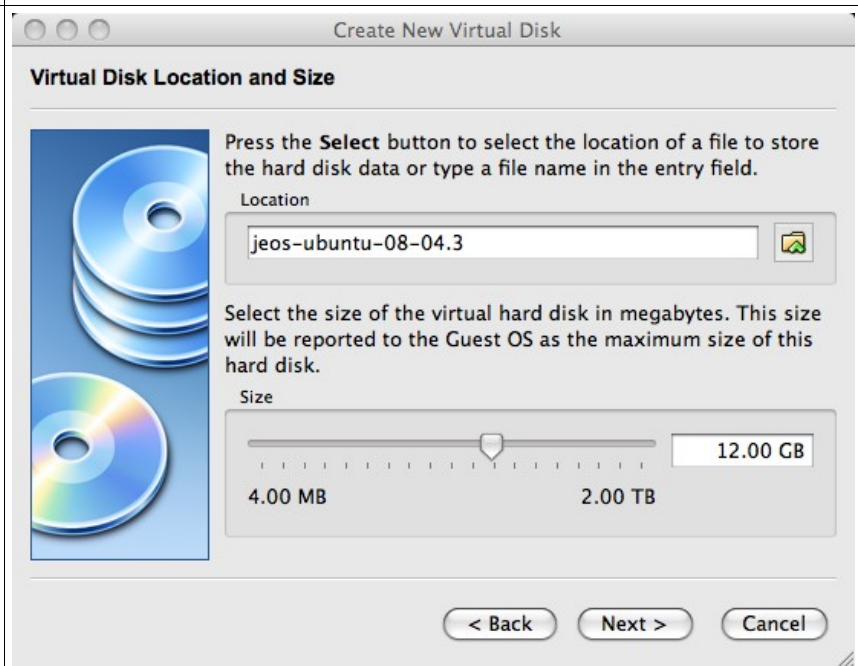


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Choose a dynamically expanding storage and click Next to proceed.

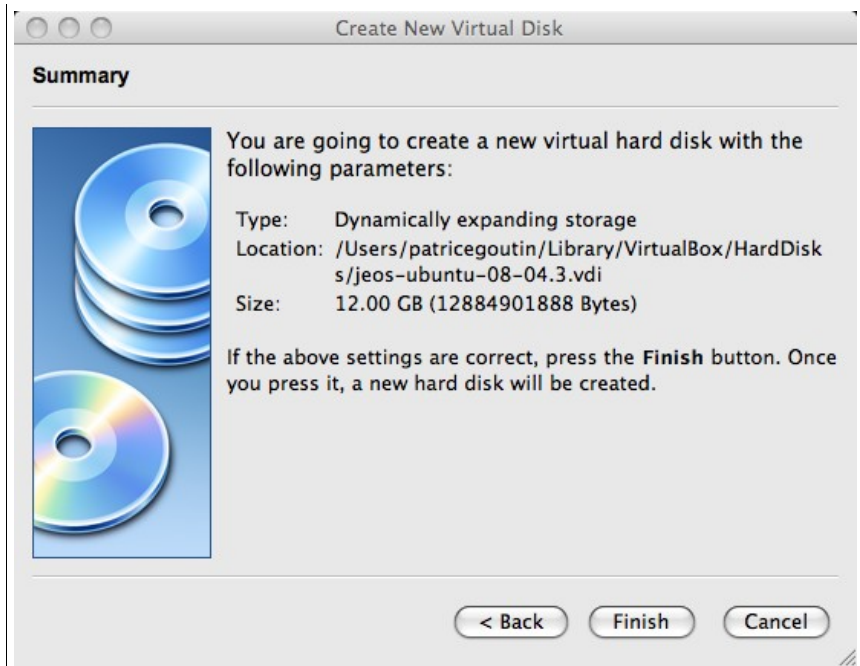


Define the maximum size of the hdd and click Next to proceed.

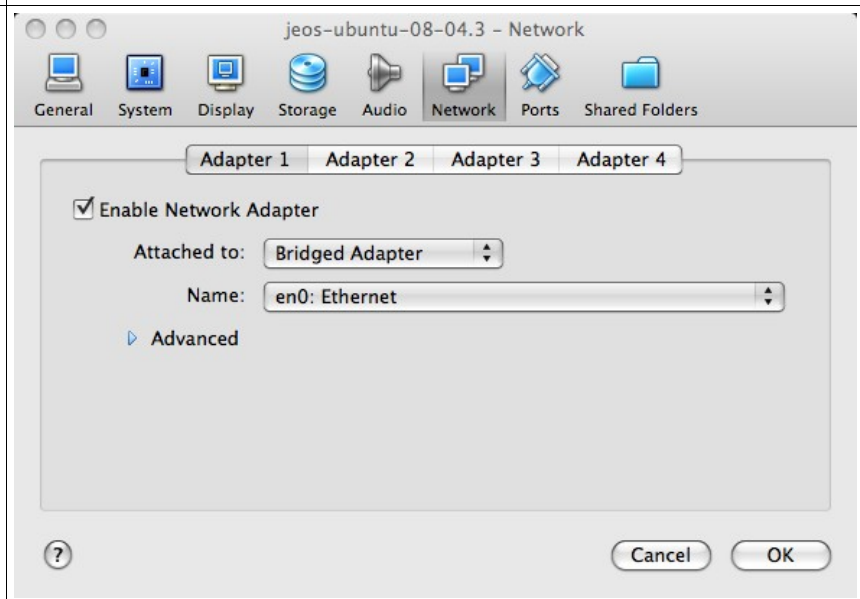


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Double-check your configuration and click Finish to proceed.



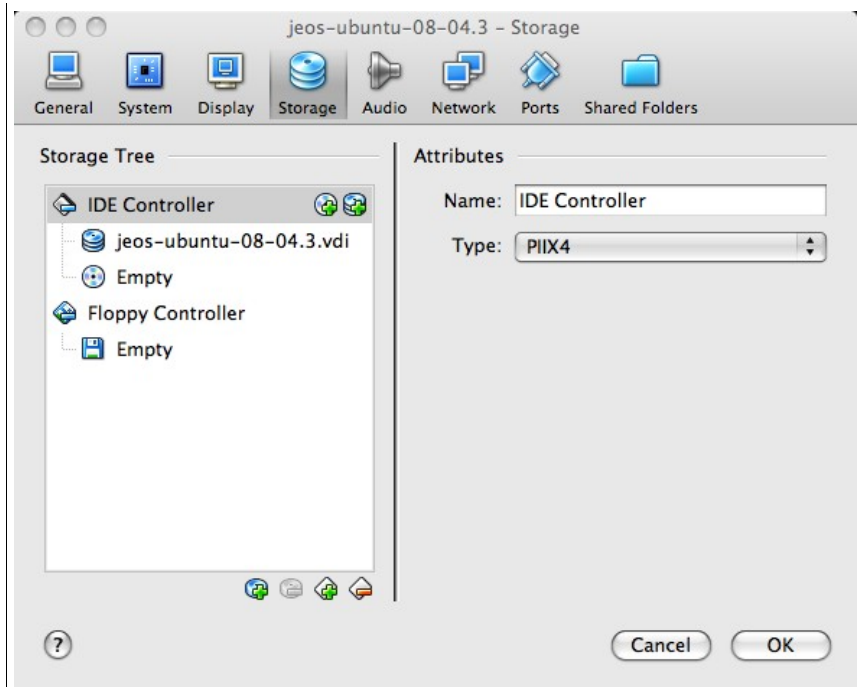
For the jeos-ubuntu-08-04.3 virtualbox, select the Network icon and configure the Network adapter as follow. Click OK to proceed.



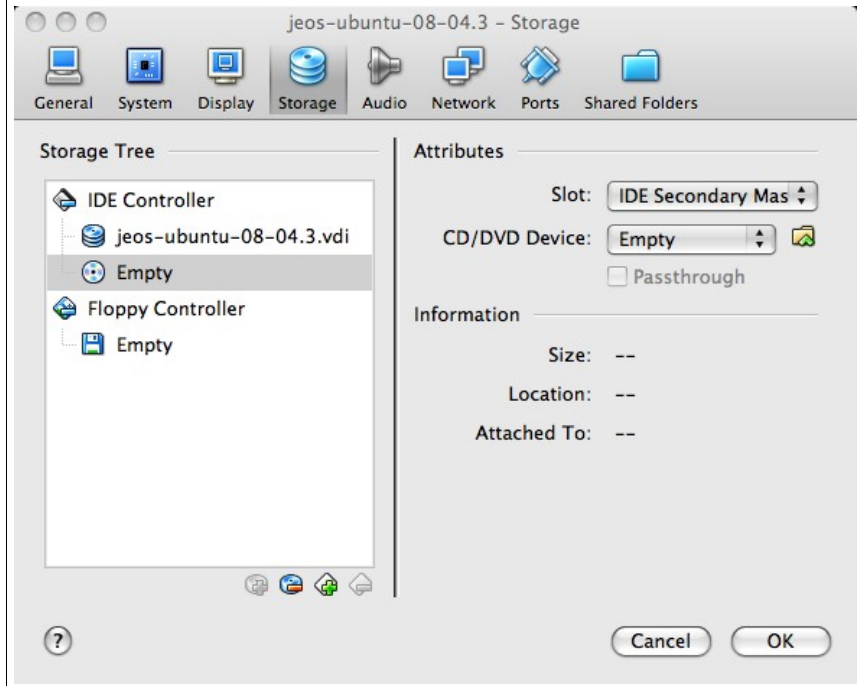
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For the jeos-ubuntu-08-04.3 virtualbox, select the Storage icon and configure the IDE adapter to add a new CDROM with the jeos-8.04.3-jeos-i386.iso file

Click "Empty" icon.

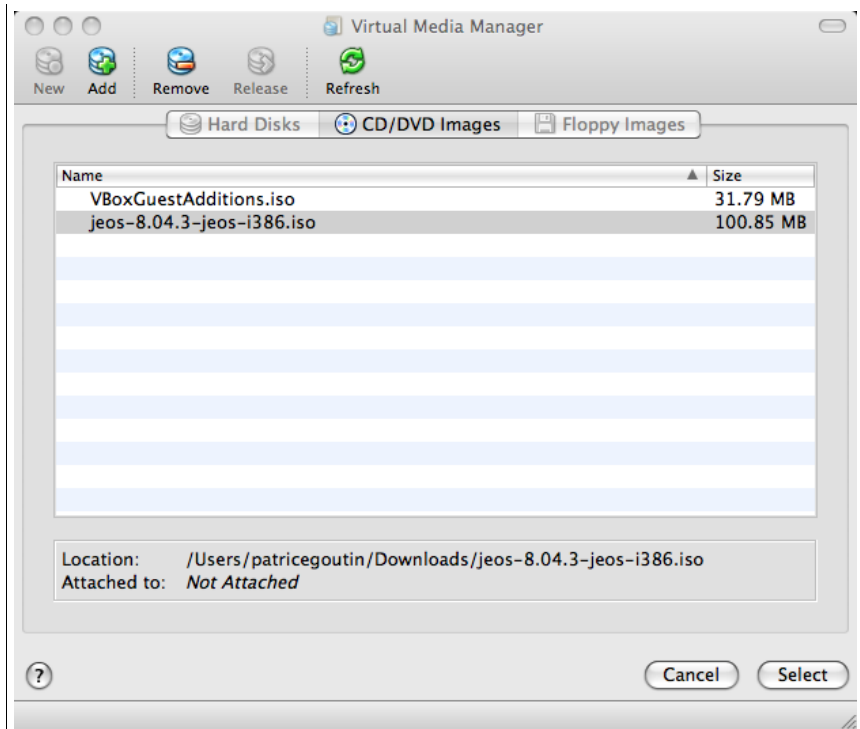


Click on the Folder icon with the green arrow on the left side of the CD/DVD Device

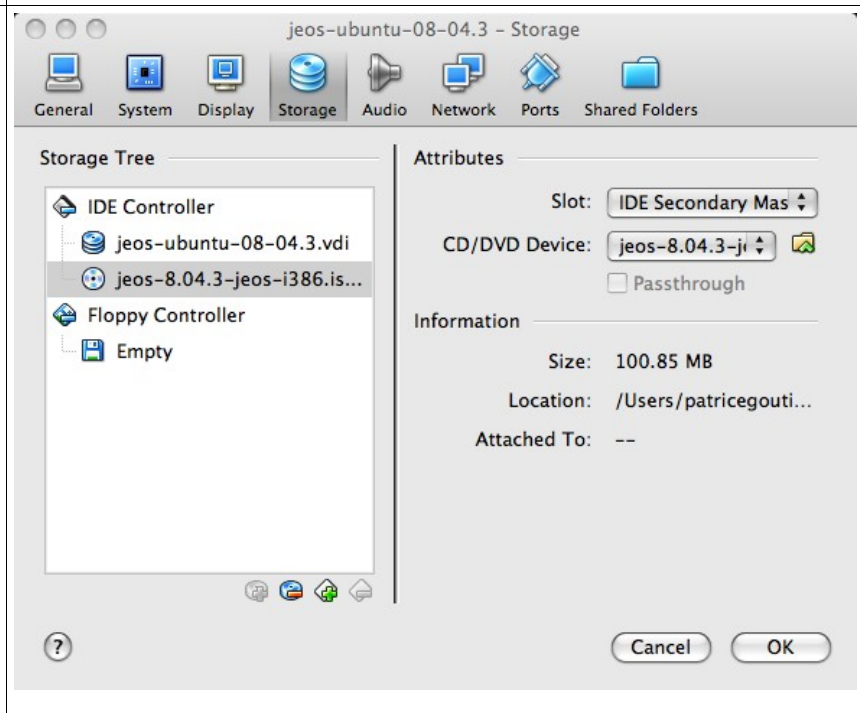


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Click the Add icon, browse your hard disk and select the jeos-8.04.3-jeos-i386.iso and then click Select to proceed.



Your setup should be like the following. When we will start the jeos-ubuntu-08-04.3, the VirtualBox will boot with the iso distribution.

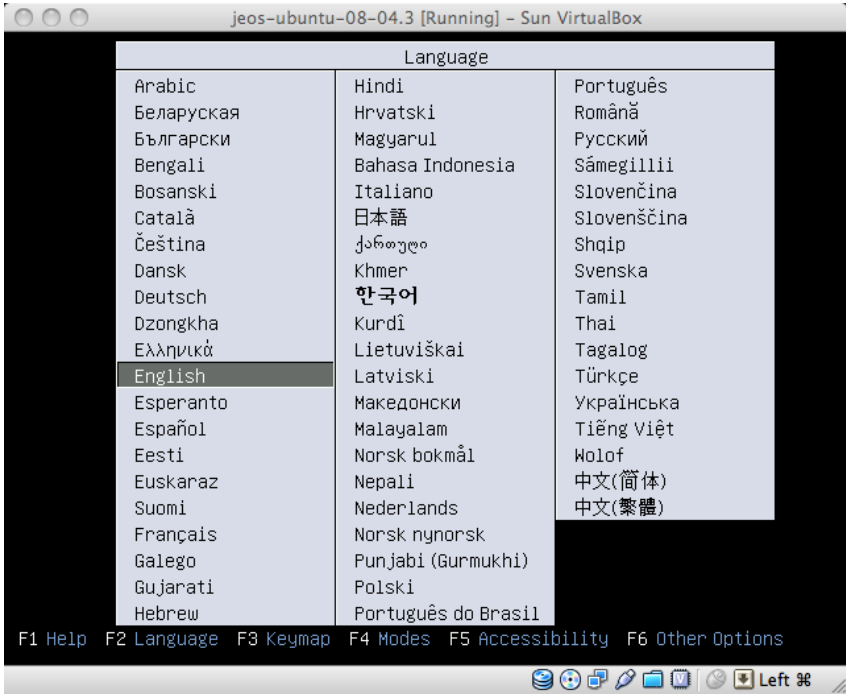
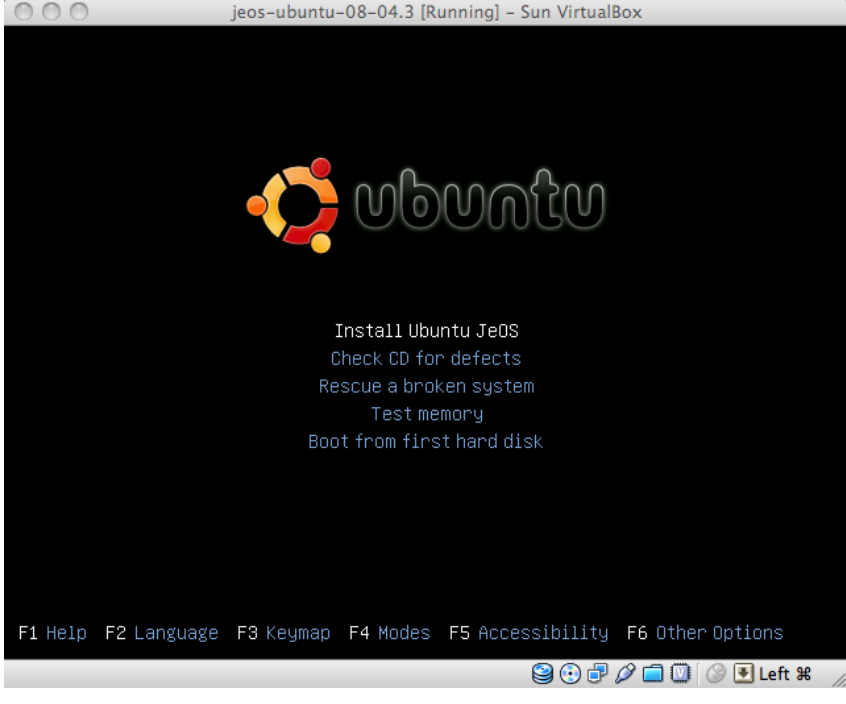


You are done with the initial configuration of the VirtualBox for JeOS-ubuntu-08-04.3.

4.3. Installation of the JeOS-ubuntu-08-04.3 virtualbox image (operating system installation)

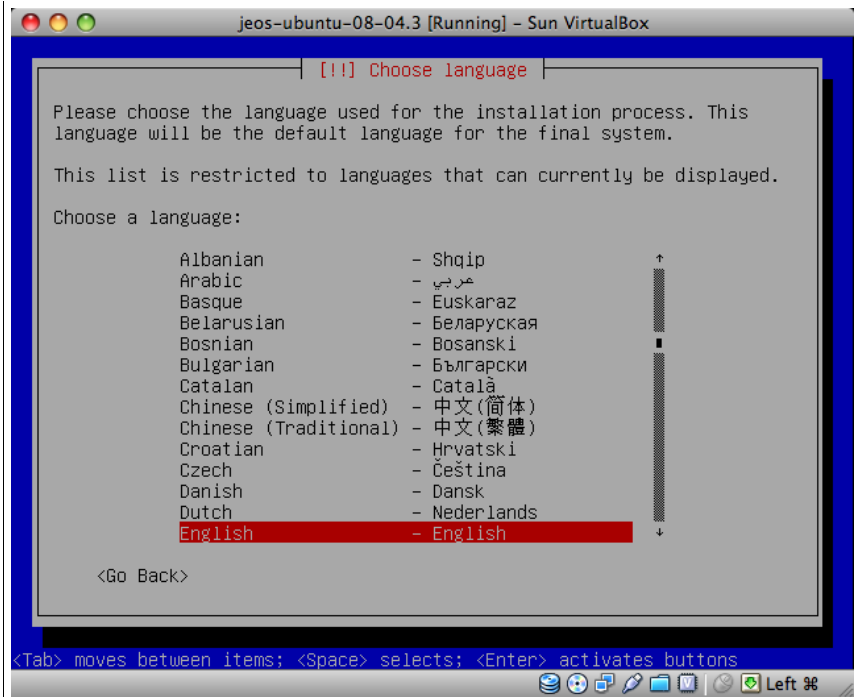


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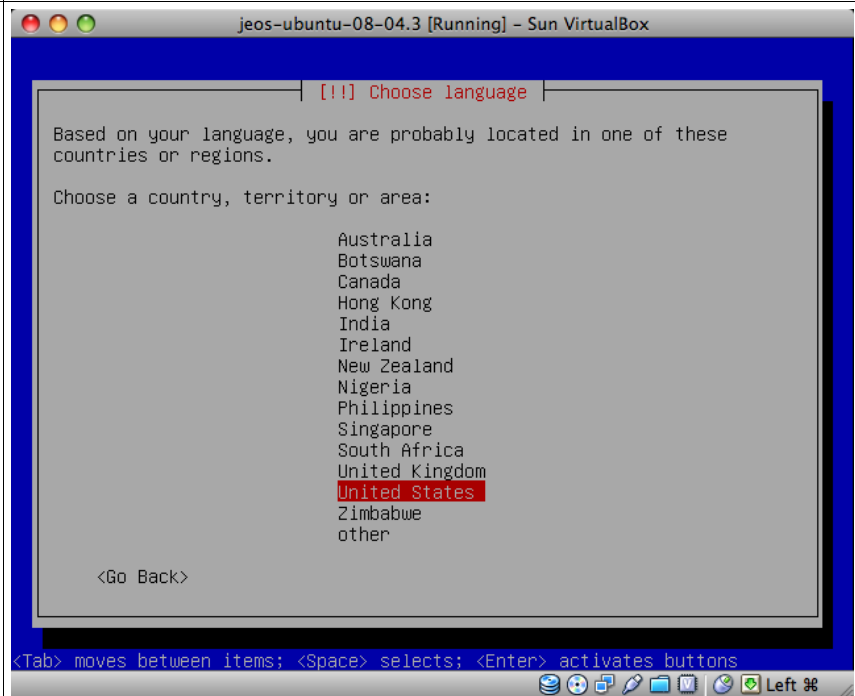
Step	Screenshot
<p>When the jeos-ubuntu-08-04.3, the Operating systems starts. Select your language (English).</p>	
<p>Select "Install Ubuntu JeOS" and click Enter to proceed.</p>	

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Select the language for the final system and click Enter to proceed.

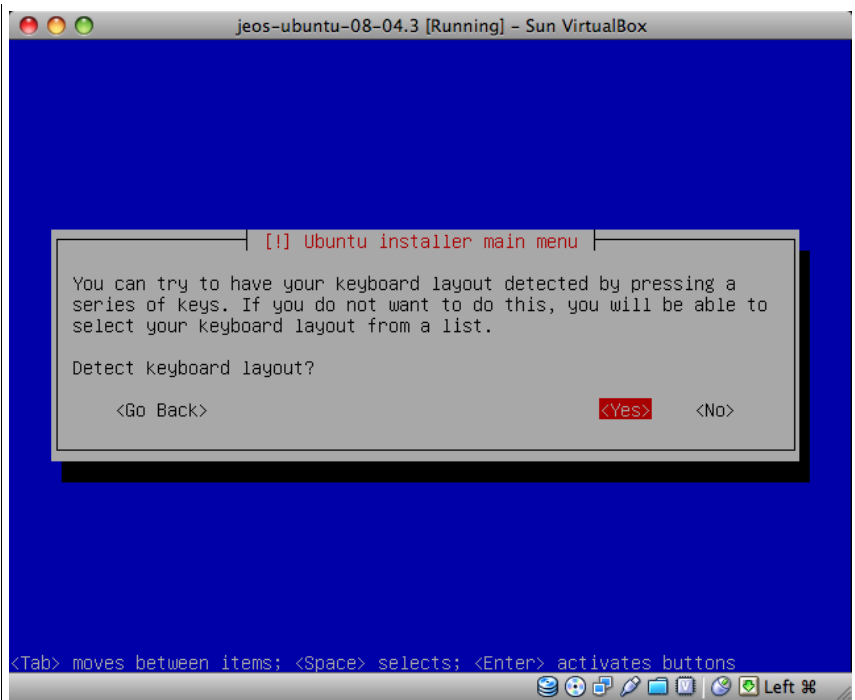


Select your location and click Enter to proceed.

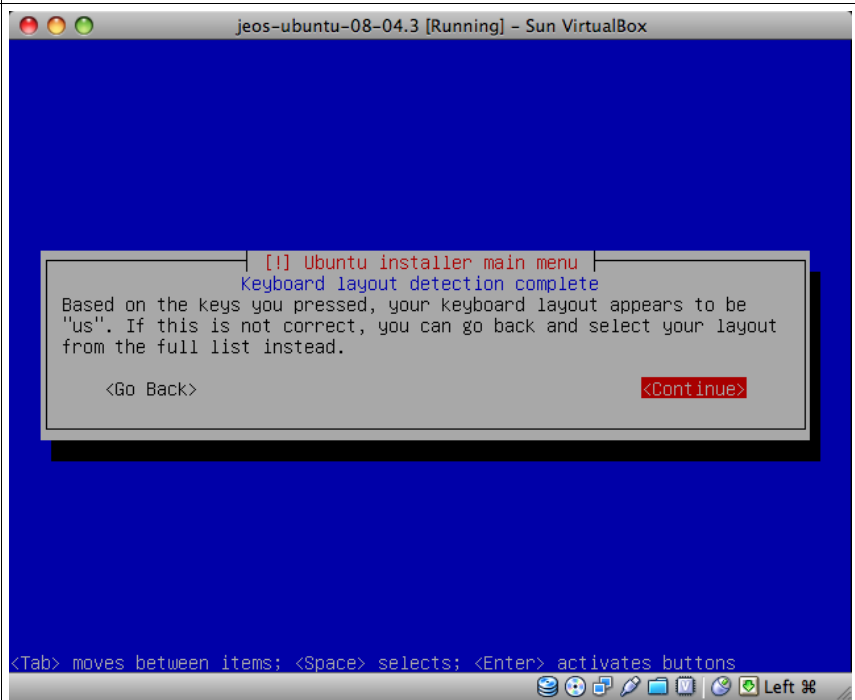


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Detect your keyboard layout and click "yes" to proceed.



Double-check the keyboard layout detected and click Continue to proceed.

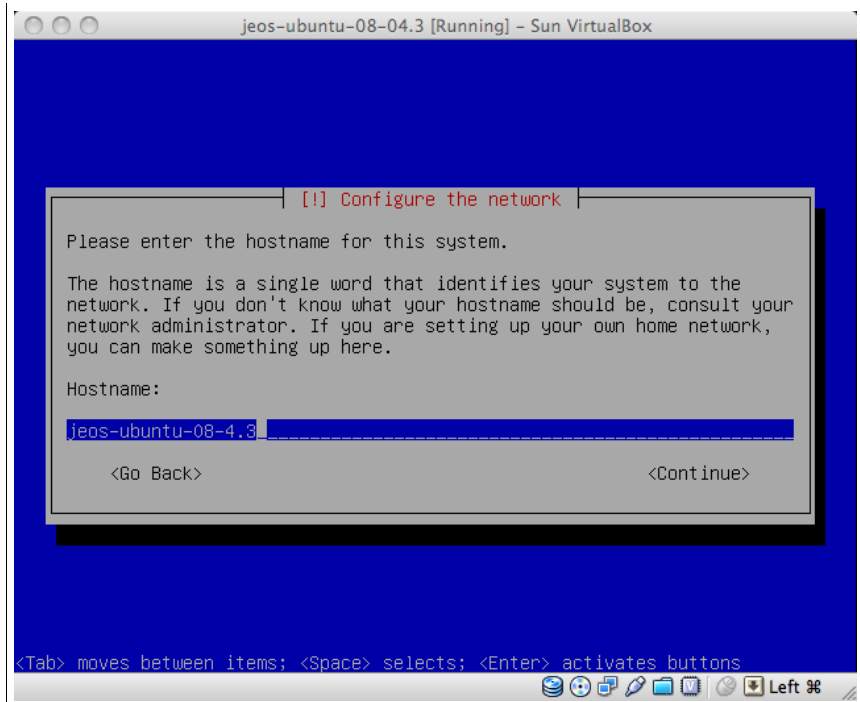


The installer continues with the following steps :

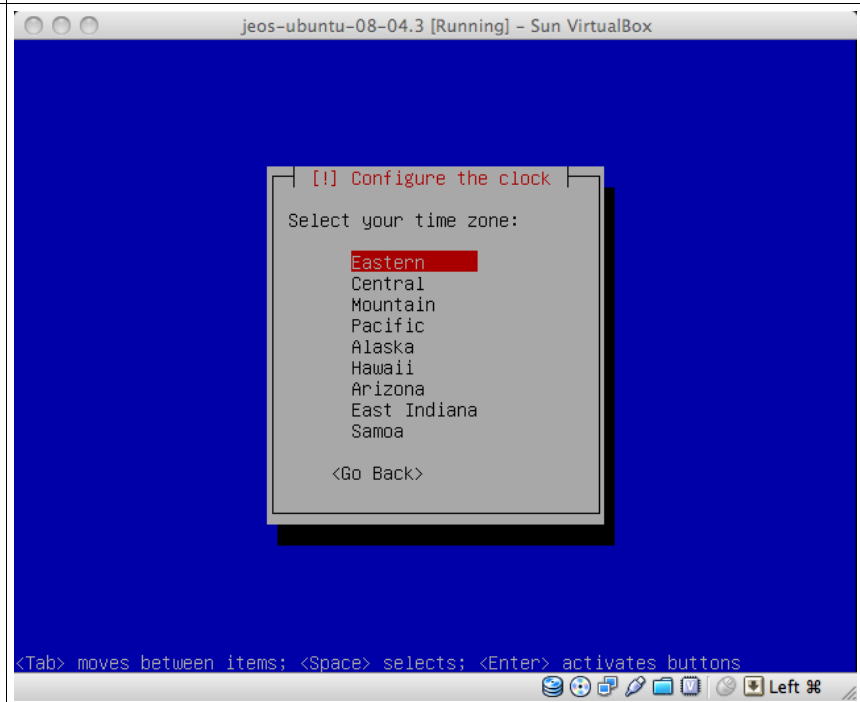
- Deteting Hardware to find CD-ROM drives
- Loading additional components
- Detecting network configuration
- Configuring the network with DHCP

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Define the name of the system as "jeos-ubuntu-08-4.3" and click Continue to proceed.



Select your time zone



The installer continues with the following step. Select the Partitioning method and click Enter to proceed.

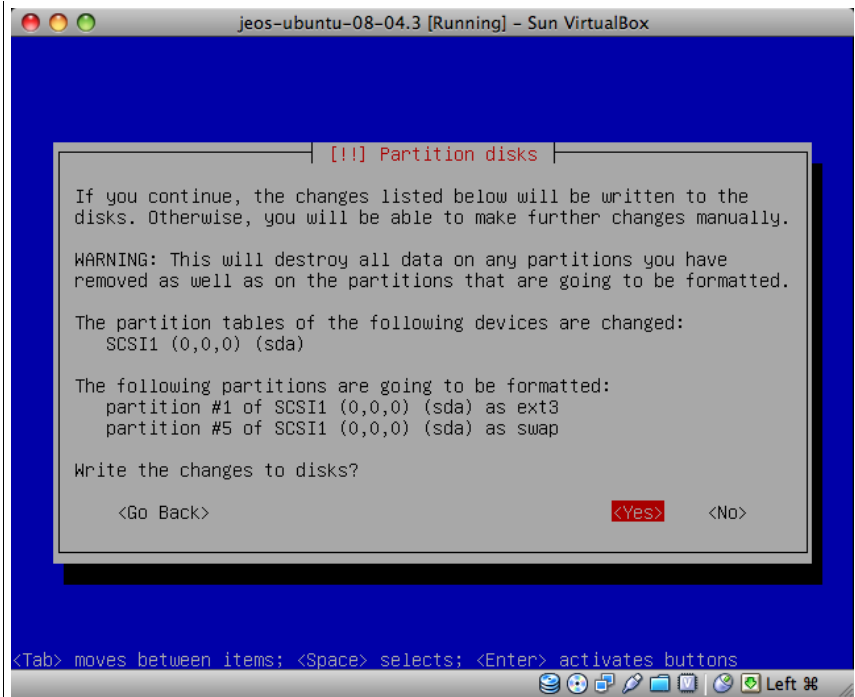
Starting up the partitioner

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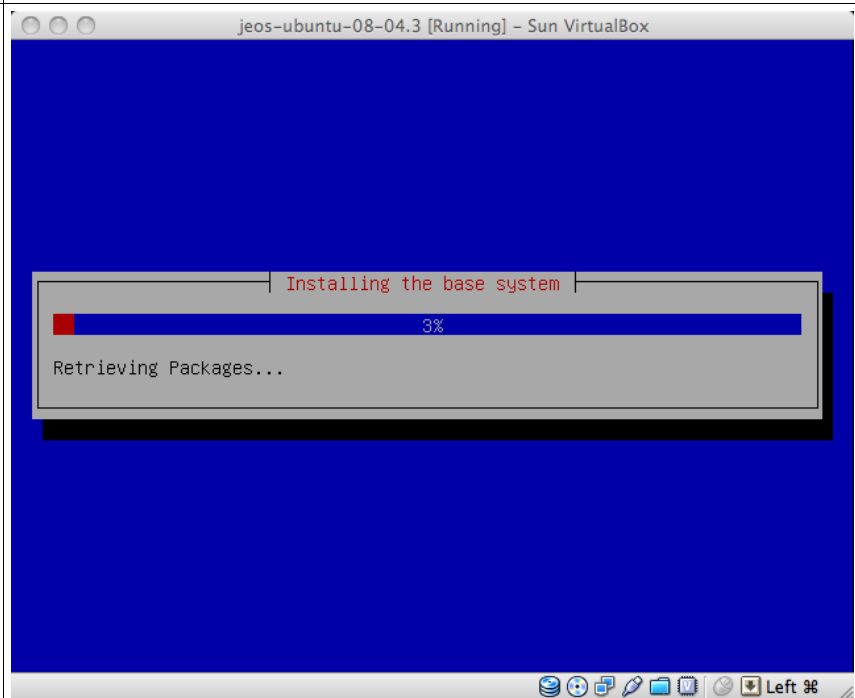
	
<p>Select the Disk to Partition</p>	

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Double-check the partition and select "Yes" to proceed.

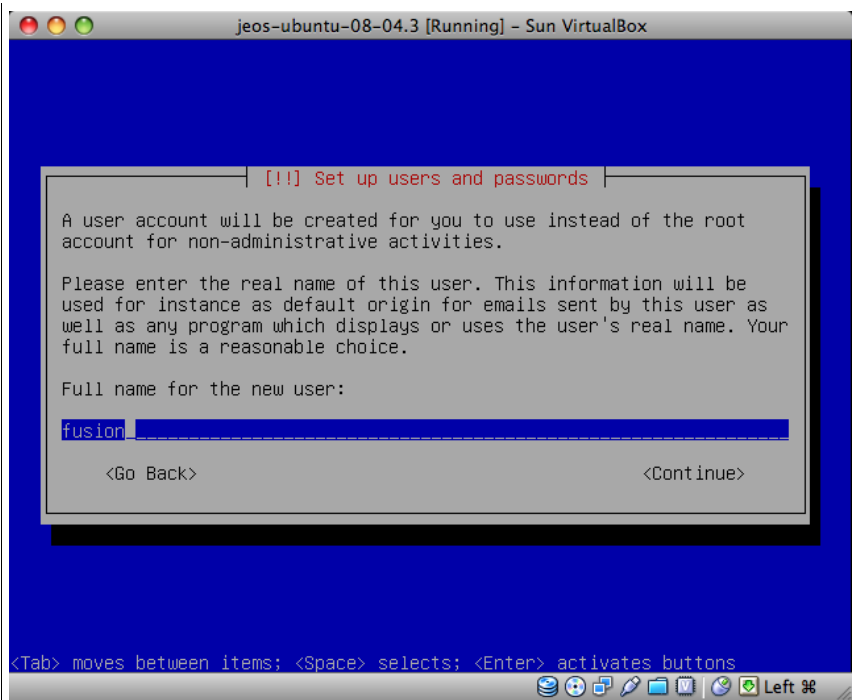


The installer continues with the following steps in Installing the base system. This step takes a couple of minutes.

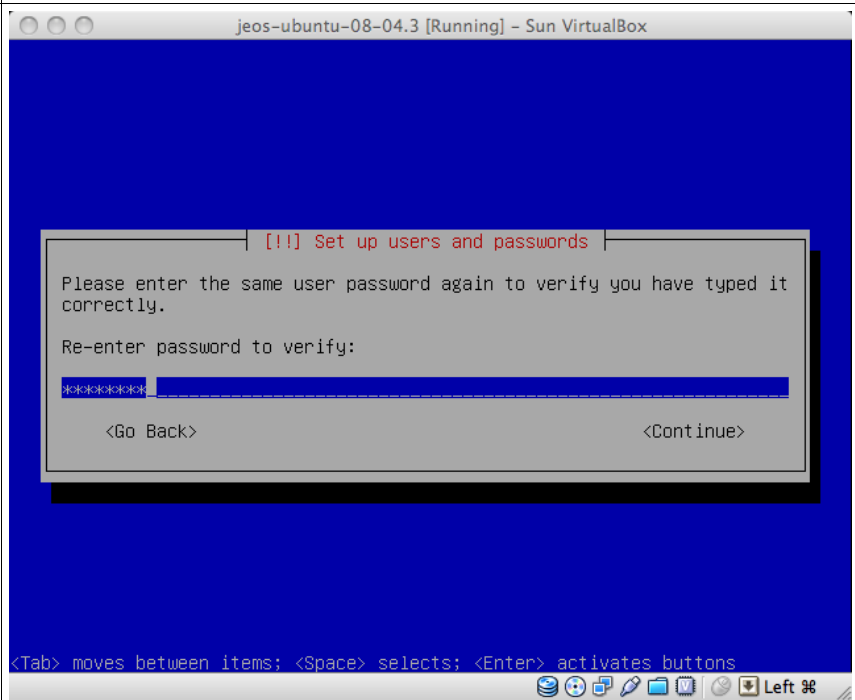


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Select the Full name and Login name and then click Continue.



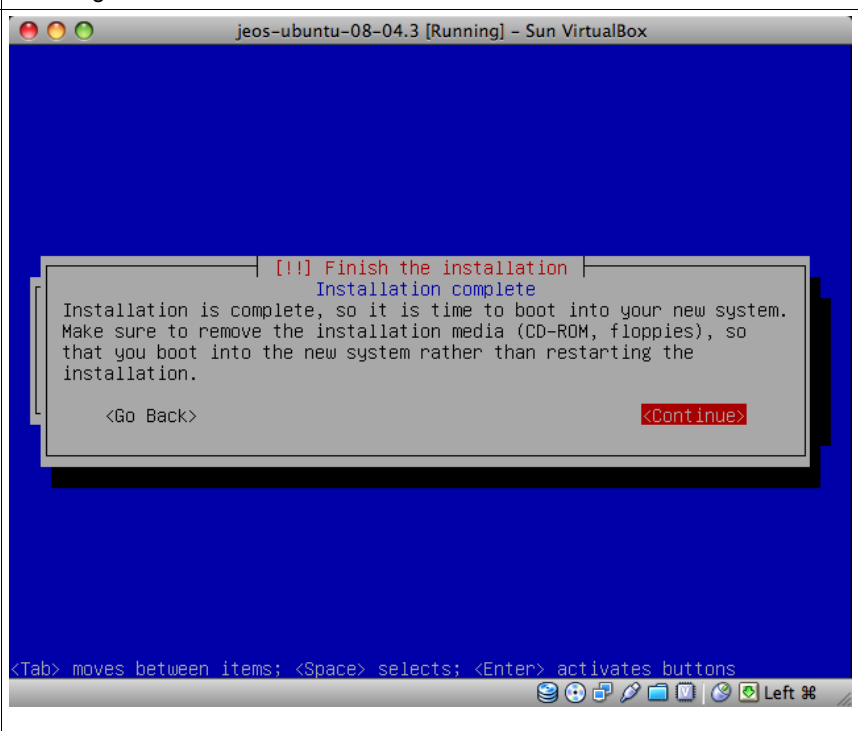
Enter and confirm the password and then click Continue to proceed.



The installer continues with the following step to configure the HTTP proxy

Configuration of the HTTPproxy

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<p>The installer continues with the following step</p>	<p>Installing software Installing GRUB boot loader Finishing installation</p>
<p>At last, the final panel is displayed. Click Continue to reboot.</p>	

You are done with the installation of the VirtualBox for JeOS-ubuntu-08-04.3.