OPERATING SYSTEM DESIGN

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Department of Computer Applications

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OS Structures & Kernel Programming

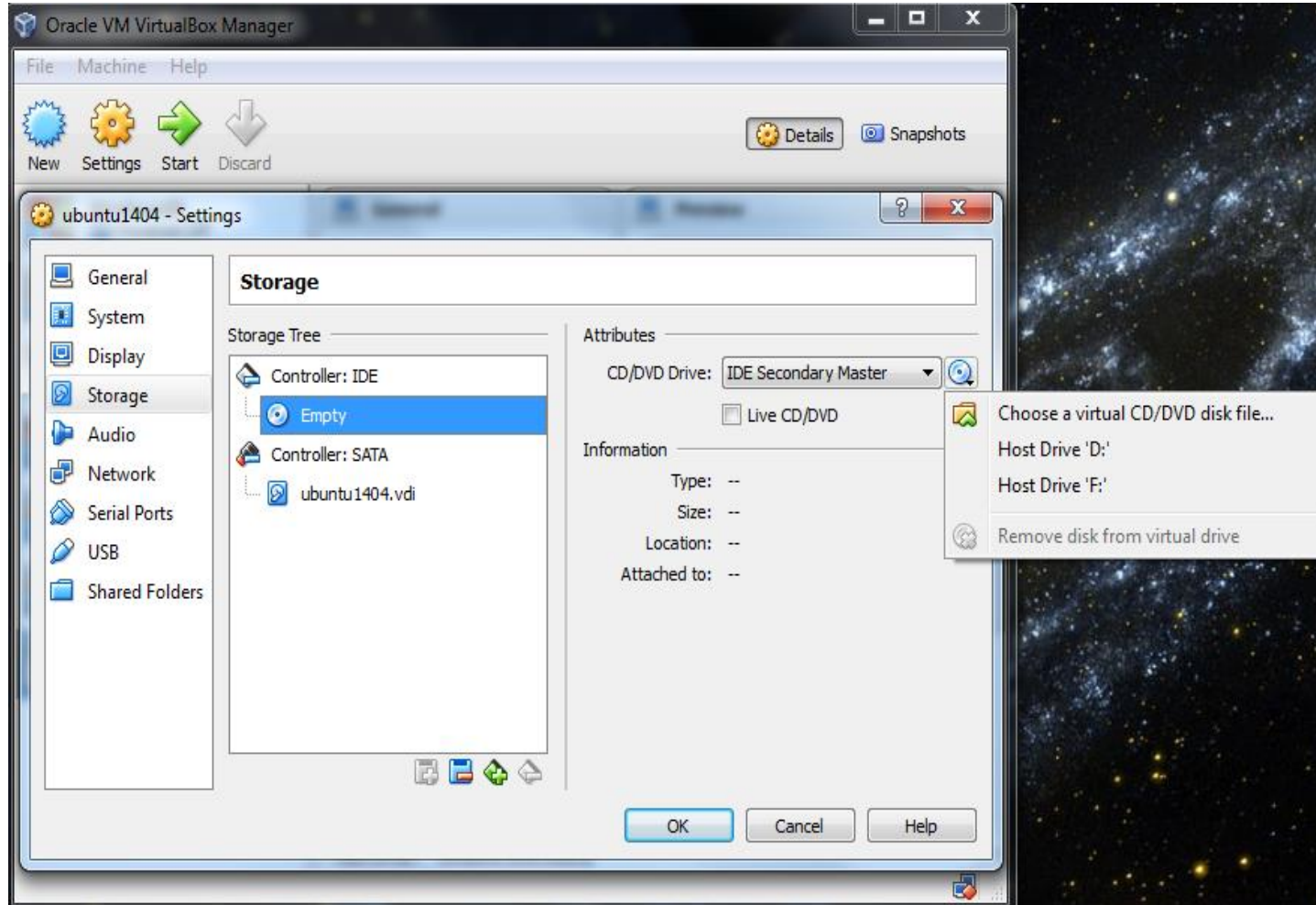**S Thenmozhi**

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Virtual Box Installation

- Go to the website of Oracle VirtualBox and get the latest stable version from https://www.virtualbox.org/

- Just double-click on the downloaded .exe file and follow the instructions on the screen. It is like installing any regular software on Windows

- Click 'New' button to open a dialog

- Type a name for the new virtual machine. Since I am planning to install Ubuntu 14.04, I'll enter 'ubuntu1404'. Note that VirtualBox automatically changes 'Type' to Linux and 'Version' to 'Ubuntu (64 bit)'. These two options are exactly what we need.

Virtual Box Installation

- Choose the memory size s you require in the guest os

- Accept the default 'Create a virtual hard drive now' and click 'Create' button.

- Continue to accept the default 'VDI' drive file type and click 'Next' button.

- Change the storage type from the default 'Dynamically allocated' to 'Fixed size' to increase performance

- Click 'Create' button and VirtualBox will generate Ubuntu virtual machine.

- Now the virtual machine is created. We are ready to install Ubuntu in this virtual machine.

Virtual Box Installation

- Select your new virtual machine and click 'Settings' button. Click on 'Storage' category and then 'Empty' under Controller: IDE. Click "CD/DVD" icon on right hand side and select the ubuntu ISO file to mount.

- Download 64 bit Ubuntu ISO file

- Make sure the **VT-x/Virtualization Technology** has been enabled in your computer's BIOS/Basic Input Output System.

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- To take an advantage of multiple processors/threads, you can change this number by clicking on 'System' category

- Select the maximum number allowed. Click ok.

- VirtualBox may pop up a message about 'Auto capture keyboard' option. Read the message there and check 'Do not show this message again' option before clicking OK.

- Back to Oracle VM VirtualBox Manager, click on the new Ubuntu virtual machine and hit 'Start' button.

- Now you shall see a 'Welcome' screen. Click 'Install Ubuntu' button.

Virtual Box Installation

- Click 'Continue' button.

- Make sure 'Erase disk and install Ubuntu' option is selected and click 'Install Now' button.

- Ubuntu will ask you a few questions. If the default is good, click 'Continue' button.

- In 'Who are you?' dialog, enter your preferred name, username and password

- Click 'Continue' button.

- Once installation is finished, click 'Restart Now' button.

- When you see a screen with a black background saying 'Please remove installation media and close the tray (if any) then press ENTER:

Virtual Box Installation

- Enter the password you have chosen and press 'Enter'.

- The Ubuntu Desktop OS is ready.

- Installation reference:

https://brb.nci.nih.gov/seqtools/installUbuntu.html

THANK YOU

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