



Configure Virtual Machines

Agenda

- What is Apache?
- History
- Platform
- Deploying Apache in Linux
- Configuration Settings
- Deploying a simple HTML in Apache
- Apache's Competitors
- What's Next?

Virtualization



Have you ever *imitated* someone else?

That's because your mind is thinking/*imagining* as that person

Same to a Computer:

We can run another system inside a system

i.e. Run Windows in Ubuntu/ Run a Ubuntu in Windows

Computer can *virtualize* hardware and have a new system installed on it. We call this new system *Virtual Machine*

- *portable*
- *no hassle*

Need Of a Virtualization Software



Only a virtualization software can "imitate" the hardware. It manages the Virtual Machines, so we normally call it virtual machine manager.

Open-Source virtualization software

VirtualBox



Commercial virtualization software

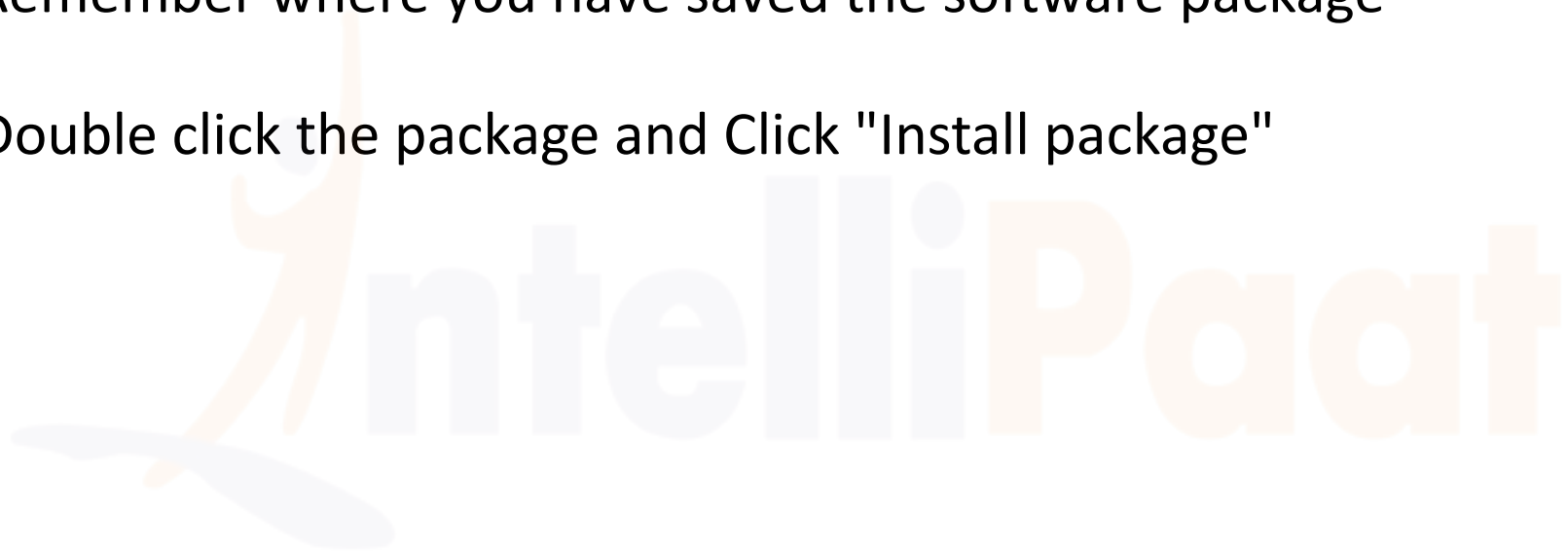
VMware workstation



Downloading the VM Software



- Download at <http://www.virtualbox.org/wiki/Downloads>
- Remember where you have saved the software package
- Double click the package and Click "Install package"



Prepare for a VM



- An OS Installation CD or DISC image(.iso)
Download CentOS Linux ISO
- Enough free disk space on your computer
At least 8 Gigabytes free
- Enough memory on your computer
Recommend at least 2G for the system, 1G for a VM
- Virtual Box Installed in your system

Step 1: Create a VM

Go to Applications->System Tools-> Oracle VM Virtual Box

"New"



Step 2: Specify a VM



Configure a VM's hardware specification

1. Machine name

2. Memory size

At most, half of the physical machine's RAM size

3. Disk size

Less than the free space on the physical machine disk

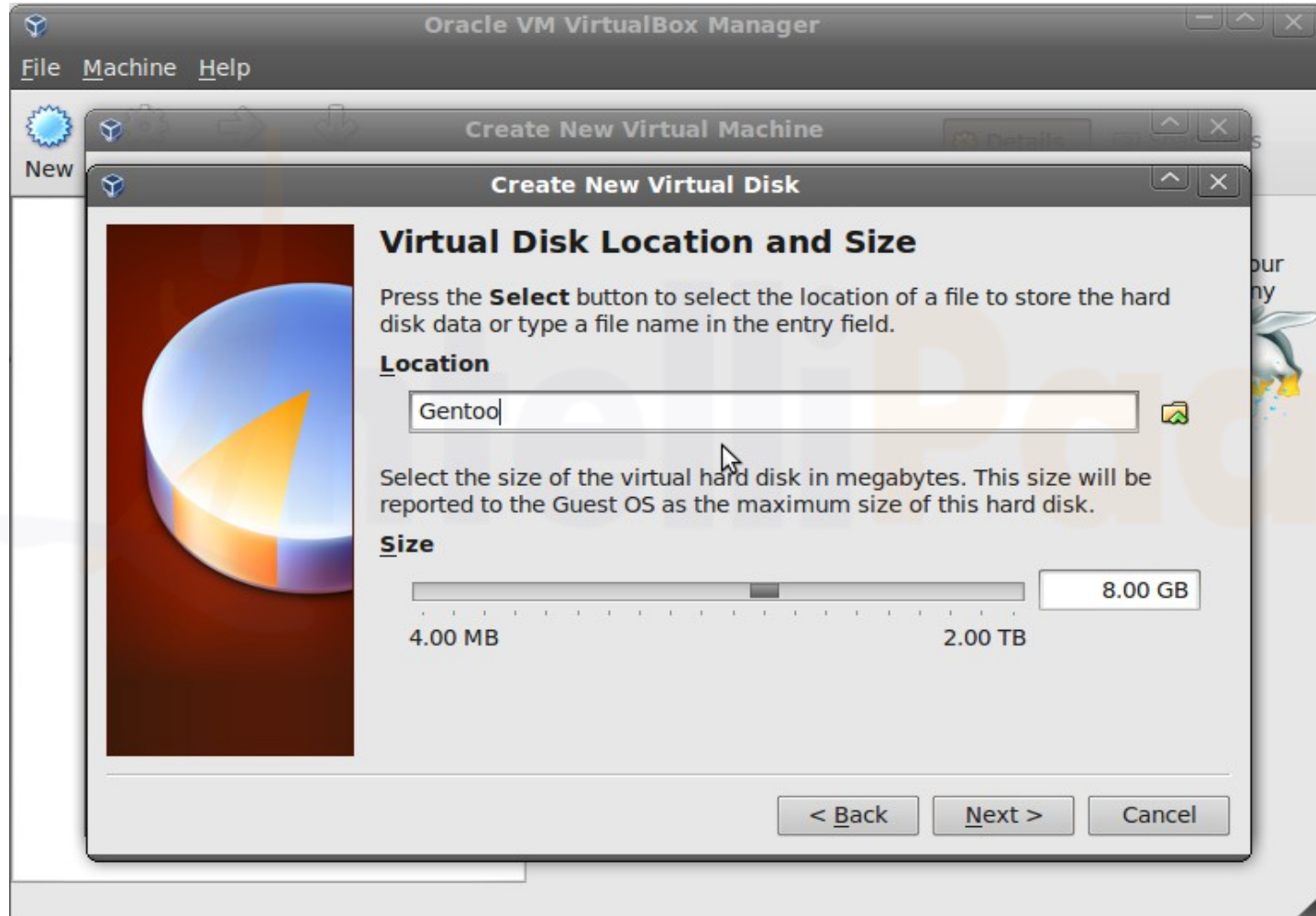
Step 2.3.1: Disk Configuration



Step 2.3.2: Disk Configuration



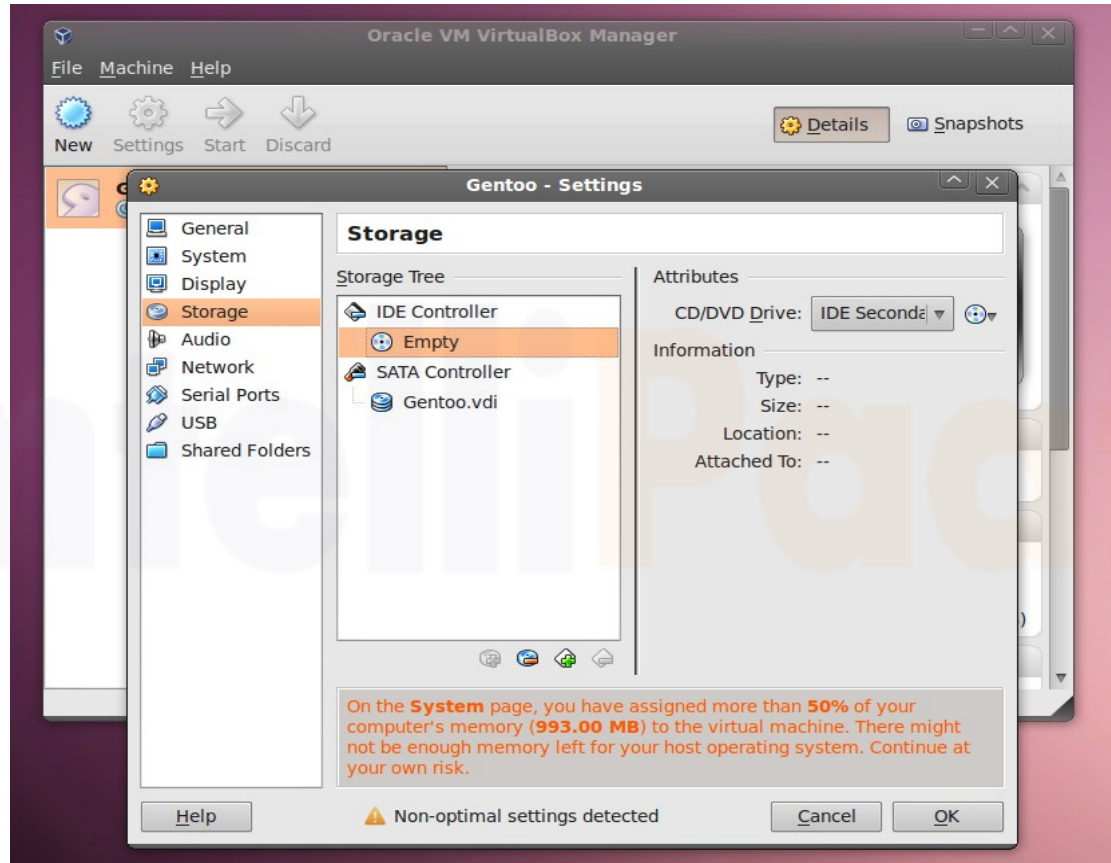
Step 2.3.3: Disk Configuration



Step 3: Insert an Installation CD



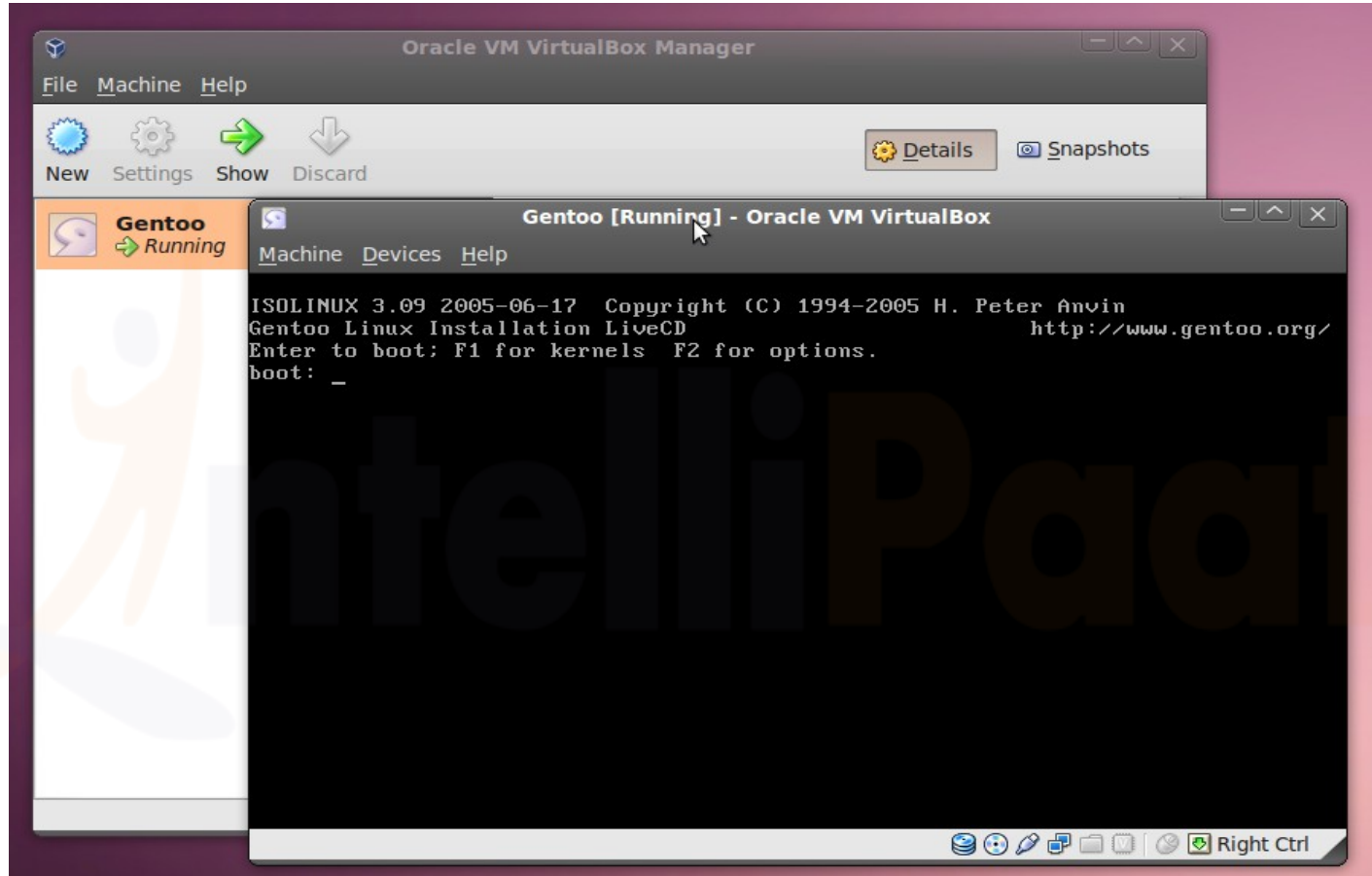
Install a installation disc image (.iso) choose a virtual CD/DVD disc file...



OR Insert an installation CD in DVD-ROM

Step 3: Run a VM

"Start"



Friendly Reminder: *Next time, when you run this VM
Remember to remove the installation CD/ CD image from the VM*

A large, faint, light-colored version of the IntelliPaat logo is centered in the background of the slide.

Thank You

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