

CS242

System Programming Lab

Objective

This lab is to introduce the general Linux Environment and basic system administration procedures to students.

Starter Files

Open the site <http://172.16.1.6/index.php/2015-02-24-12-49-47/software-list>

Select the s/w Ubuntu-14.04.2-Desktop [64 bit] LTS) or

Ubuntu Server 14.04.3 LTS [32-bit PC (i386) server image]

In case you want to install on a virtual machine, you may need to down VM Player
[VMware-player-6.0.1-1379776](#)

Exercises

1. Download the USB-Installer and create a bootable USB stick.
2. Boot your PC/laptop using the USB stick and install Linux. Your Linux installation should have separate disk partition for at least /, usr, home and swap.
3. Create a group "student" and user "your user id".
4. Configure network for fixed IP/DHCP.
5. Configure apt-get (for behind proxy). Give a list of applications available with your distribution.
6. Install an application of your choice

Deliverables

Create a pdf document snapshots of the following:

1. Output of the command which list the disk's partition
2. Output of the command that shows users currently logged in.
3. Output of the command that shows your machines IP address, DNS etc
4. Partial output (half page) of the list of applications installed in your PC.

Mail the document to cs242@iitp.ac.in with subject "Lab 0".

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