

Lecture 1

Introduction to Computer Operating Systems and Programming

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What if you feel hard and get stuck?

- Ask questions!
 - Take notes!
 - Review slides!
 - Do experiments!
- What if you don't have a Ubuntu machine?
 - Buy one. E.g. www.taobao.com
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Post Installation

- Explore Ubuntu Help
- Getting started:
application menu:
method 1: mouse click
lower left corner;
method 2: Keyboard
“Windows”
- GNOME: GNu Object
Model Environment
- GNU: GNU's Not Unix,
GNU (pronounced g'noo)
is a free software project
to provide a distributable
replacement for Unix.

Help Videos

- Switch Tasks:
- Alt + “Tab”
- Alt + “~”

- Use Windows and Workspaces:
- Win + Up/Down/Left/Right
- Win + Page Up/ Page Down

Some Practical Pros about Linux

- Fast Boot
- Download videos: e.g. you-get
- Combine pdf: pdfunite
- Convert filetype: convert
- Internet Speed: Speedtest
- Disk Drive Speed: hdparm
- Etc.

Textbooks

- The Linux Command Line:
<https://wiki.lib.sun.ac.za/images/c/ca/TLCL-13.07.pdf>

- Part 1 Intro
- Part 2 Shell
- Part 3 Config and Environment
- Part 4 Common tasks
- Part 5 Scripts