



Information Technology – Lab.1

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Linux – recommended reading

- Nicholas Marsh „**Introduction to the Command Line. *The Fat-Free Guide to Unix and Linux Commands***”, 2nd Ed., 2010
- ***Download yor free copy at:***
www.DontFearTheCommandLine.com

Linux – a short history

- 1969 – Bell Labs (AT&T) – UNIX
- 70s – Berkeley Software Distribution (BSD)
(based on the UNIX code, rewritten parts of AT&T copyrighted stuff)
- 1991 – Linus Torvald -> linux (rewritten from the scratch)

Linux/Unix – major versions as of 2010

- Unix

OS	Description
AIX	IBM's proprietary Unix platform
HP-UX	Hewlett Packard's proprietary Unix platform
Solaris	Sun Microsystems' proprietary Unix platform
OpenSolaris	Open source version of the Solaris operating system

Linux/Unix – major versions as of 2010

- BSD

OS	Description
Darwin	BSD-based core of the Mac OS X operating system
FreeBSD	User friendly BSD-based operating system
OpenBSD	Security focused BSD-based operating system
NetBSD	Highly portable BSD-based operating system



Linux/Unix – major versions as of 2010

- Linux (literally hundreds flavours)

OS	Description
Red Hat Enterprise Linux	Popular commercial Linux distribution created by Red Hat, Inc.
Fedora	Free community-based distribution that serves as a test bed for new technologies that feed into Red Hat Enterprise Linux
CentOS	Free binary-compatible clone of Red Hat Enterprise Linux
Debian	Popular non-commercial Linux distribution
Ubuntu	User-friendly Linux distribution based on Debian
SuSE Enterprise Linux	Commercial Linux distribution created by Novell, Inc.
openSUSE	Free community-based distribution based on SUSE Enterprise Linux

Linux commands for today

- date
- whoami
- cal
- man
- cal 9 2010
- calendar

- ❖ PLEASE PAY ATTENTION, LINUX IS **CASE SENSITIVE**
- ❖ ALWAYS USE **LOWERCASE** FOR TYPING COMMANDS
- ❖ THERE IS NO **UNDO** OPTION IN COMMAND LINE MODE



Linux commands for today – cont'd.

- pwd
- ls
- cd
- mkdir
- rmdir
- cp
- mv
- rm

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Linux commands - some details

- `date` – displays date
- `whoami` – displays user details
- `cal` – displays calendar ; optionally: `cal 9`
`2010`; `cal -3`; `cal -y`
- `calendar` – displays reminders



Linux commands - some details

- `pwd` – displays path
- `ls` – displays content of a directory; `ls -a`; `ls -l`
- `cd` – changes directory
- `mkdir` – creates directory
- `rmdir` – removes empty directory;
- `cp` – copy files; `cp -i`; `cp -l`; `cp -u`
- `mv` – move files
- `rm` – remove (erase) files