



RAMA UNIVERSITY

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FACULTY OF ENGINEERING & TECHNOLOGY

DCS-503 Computer Networks

Lecture-34

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OUTLINE

➤ **LINUX OPERATING SYSTEM**

➤ **LINUX CLIENTS**

➤ **WORKSTATION SOFTWARE AND PROGRAMS**

➤ **SERVER SOFTWARE AND PROGRAMS**

➤ **VERIFYING SOFTWARE COMPATIBILITY**



LINUX OPERATING SYSTEM

- Linux is sometimes referred to as "UNIX Lite", and it is designed to run on Intel-compatible PCs.
- However, Linux will run on other machines as well.
- Linux brings the advantages of UNIX to home and small business computers.
- The following are a few of the most popular types:

Red Hat Linux

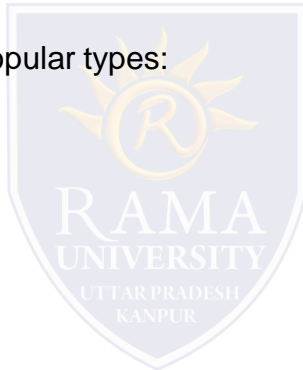
Linux Mandrake

Caldera eDesktop and eServer

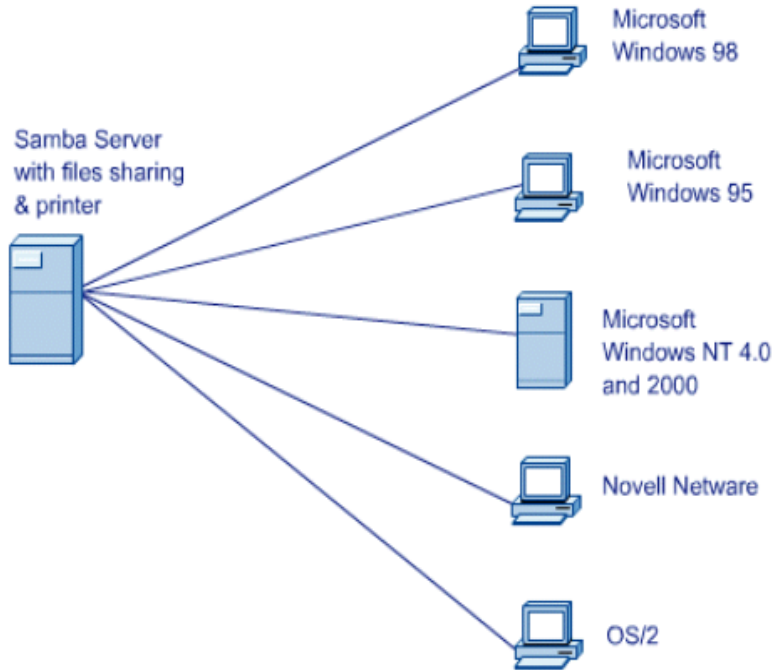
Debian GNU/Linux

Corel Linux

Turbo Linux



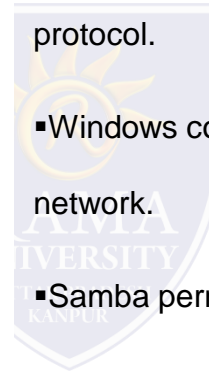
LINUX CLIENTS



▪ Windows clients can access Linux servers without client software if the UNIX servers run Samba, which is a program that uses the Server Message Block (SMB) application layer protocol.

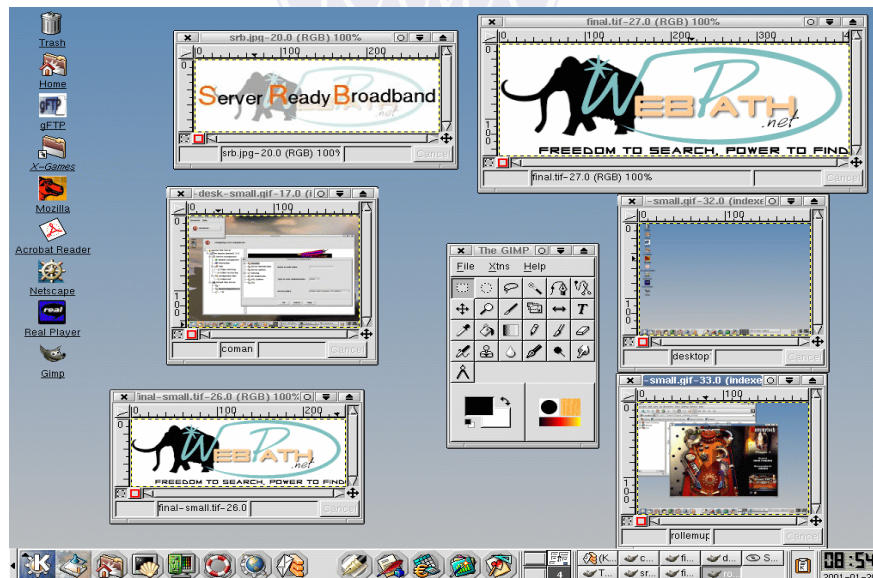
▪ Windows computers use SMB for file access across the network.

▪ Samba permits them to see the Linux file system.

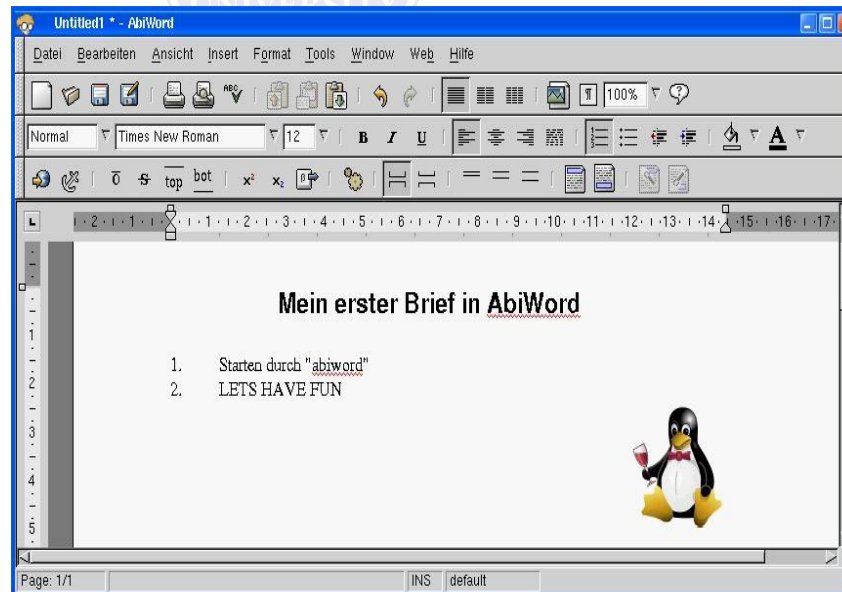
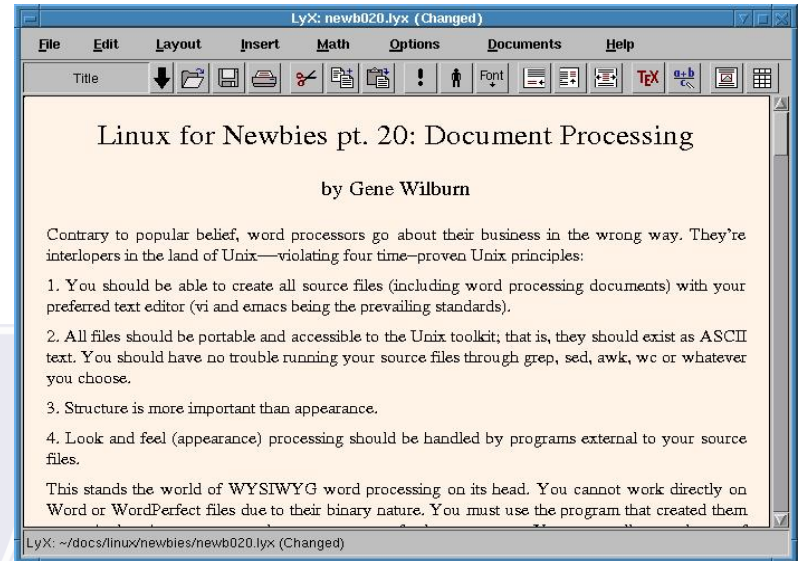
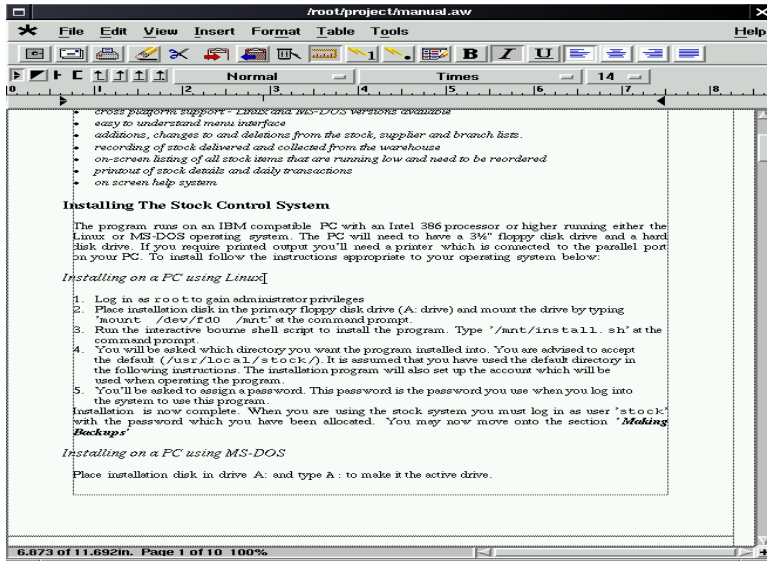


WORKSTATION SOFTWARE AND PROGRAMS

- The X Window System is what comprises the Linux GUI environment.
- Corel's WordPerfect and Sun StarOffice are the top two office suite software capable of running on Linux.
- There are also single packages rather than full office suits that come shipped with Linux and some are installed by default during the installation process.
- Some examples of these are LyX and AbiWord.

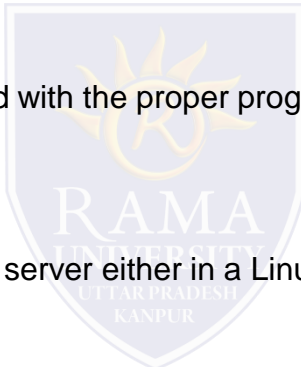


WORKSTATION SOFTWARE AND PROGRAMS



SERVER SOFTWARE AND PROGRAMS

- A popular use of a Linux system is a web server.
- Web server software uses Hypertext Transfer Protocol (HTTP) to deliver files to users to request them, using a web browser from their workstation.
- A Mail Server is a system that is configured with the proper programs and services that enable the exchange of e-mail between one client and another.
- The Linux operating system provides a file server either in a Linux environment or in a cross-platform environment consisting of Windows, Macintosh, UNIX, or OS/2 workstation.



VERIFYING SOFTWARE COMPATIBILITY

- When installing a package, the first step should be to always check and make sure that the operating system supports the package.
- Generally, any Linux software and package can be installed on any UNIX-like operating system.
- Check CPU requirements, library requirements, and development tools.



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	Dynamic web page _____	is same every time whenever it displays	generates on demand by a program or a request from browser	both is same every time whenever it displays and generates on demand by a program or a request from browser	is different always in a predefined order
2	What is a web browser?	a program that can display a web page	a program used to view html documents	it enables user to access the resources of internet	all of the mentioned
3	Common gateway interface is used to _____	generate executable files from web content by web server	generate web pages	stream videos	download media file
4	URL stands for _____	unique reference label	uniform reference label	uniform resource locator	unique resource locator
5	A web cookie is a small piece of data that is _____	sent from a website and stored in user's web browser while a user is browsing a website	sent from user and stored in the server while a user is browsing a website	sent from root server to all servers	sent from the root server to other root servers

REFERENCES

- <http://www.engppt.com/2009/12/networking-fourzan-ppt-slides.html>

