RAMA UNIVERSITY

www.ramauniversity.ac.in

FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302Computer Networks

Lecture-35

Mr. Dilip Kumar J Saini
Assistant Professor
Computer Science & Engineering

OUTLINE

- LINUX OPERATING SYSTEM
- LINUX CLIENTS
- WORKSTATION SOFTWARE AND PROGRAMS
- SERVER SOFTWARE AND PROGRAMS
- VERIFYING SOFTWARE COMPATIBILITY

RAMA UNIVERSITY
UTTAR PRADESH
KANPUR

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

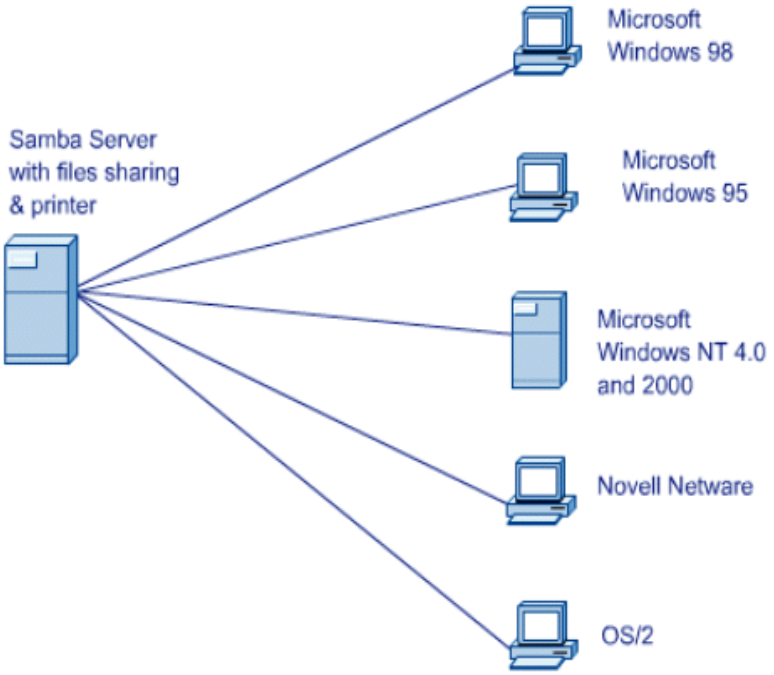
  Debian GNU/Linux

  Corel Linux

  Turbo Linux

RAMA UNIVERSITY UTTAR PRADESH KANPUR

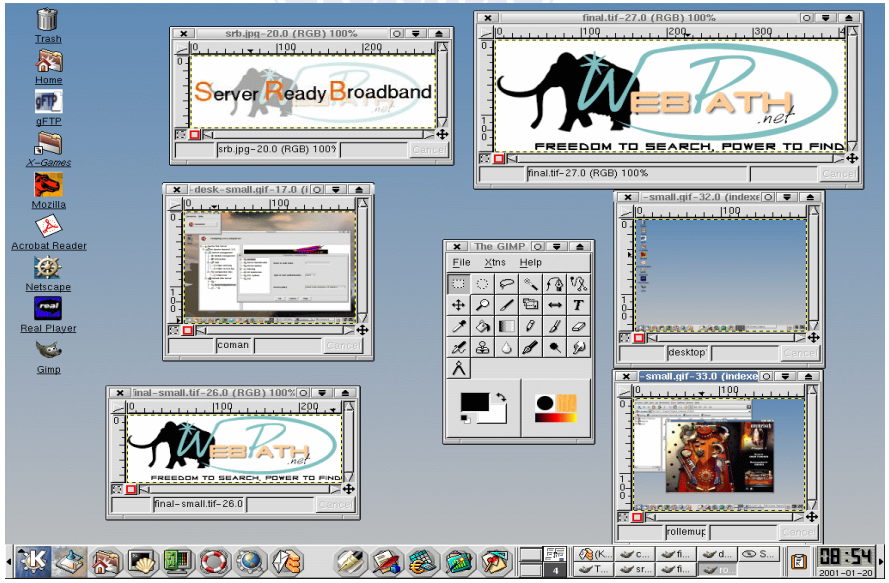
LINUX CLIENTS



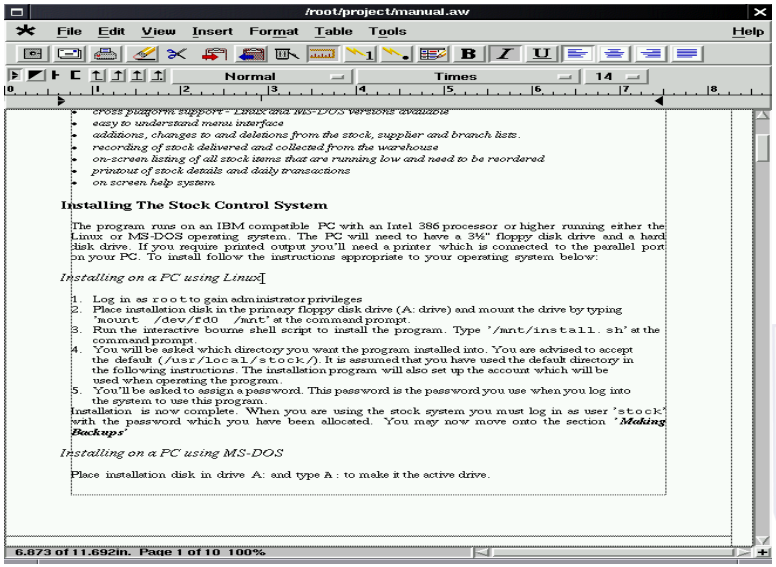
- Windows clients can access Linux servers without client software if the UNIX servers run Samba, which is a program that uses the Server Message Block (SMB) application layer protocol.
- Windows computers use SMB for file access across the network.
- Samba permits them to see the Linux file system.

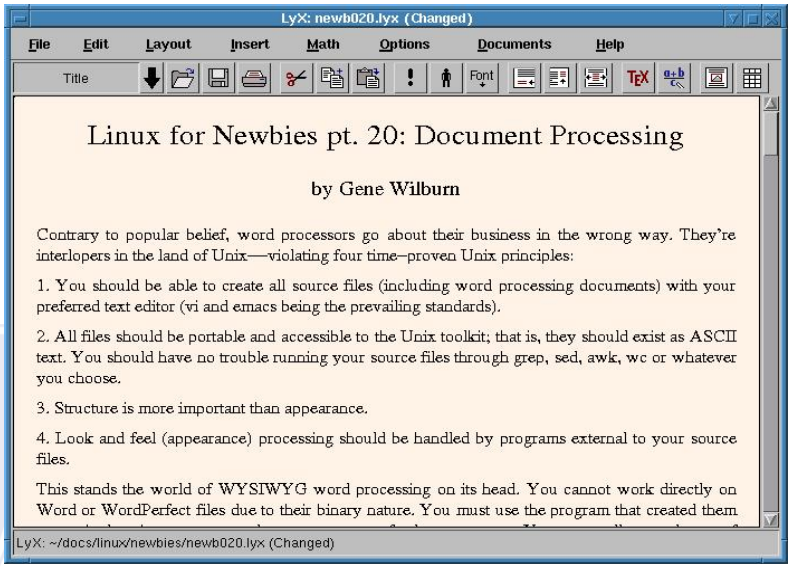
WORKSTATION SOFTWARE AND PROGRAMS

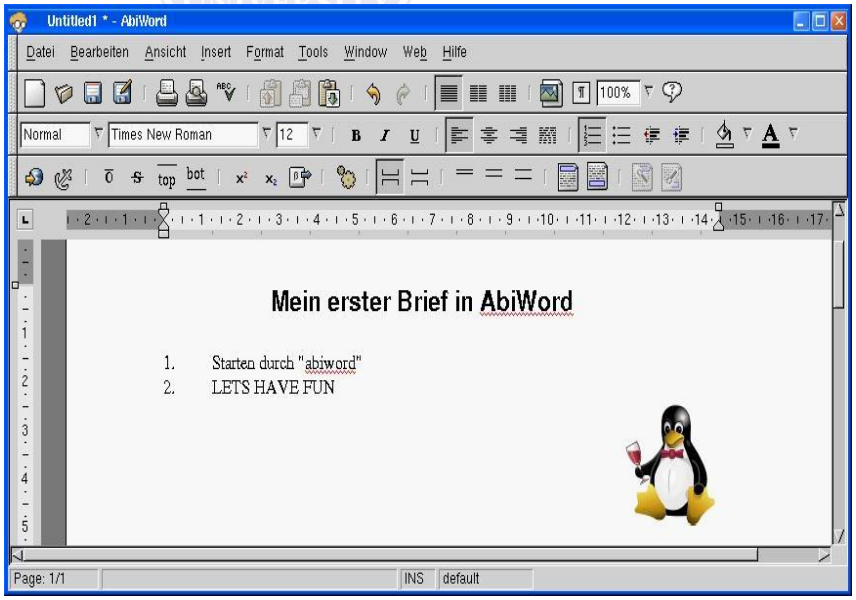
- The X Window System is what comprises the Linux GUI environment.
- Corel's WordPerfect and Sun StarOffice are the top two office suite software capable of running on Linux.
- There are also single packages rather than full office suits that come shipped with Linux and some are installed by default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

RAMA UNIVERSITY UTTAR PRADESH KANPUR

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.

RAMA UNIVERSITY
UTTAR PRADESH
KANPUR

Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

Sr no	Question	Option A	Option B	OptionC	OptionD
1	Host-specific routing is used for purposes such as checking route or providing _____	Network Measures	Security Measures	Delivery Measures	Routing Measures
2	In Unicast routing, if instability is between three nodes, stability cannot be _____	Stable	Reversed	Guaranteed	Forward
3	In Unicast Routing, Dijkstra algorithm creates a shortest path tree from a _____	Graph	Tree	Network	Link
4	n Multicast Routing Protocol, flooding is used to broadcast packets but it creates _____	Gaps	Loops	Holes	Links
5	RPF stands for _____	Reverse Path Forwarding	Reverse Path Failure	Reverse Packet Forwarding	Reverse Protocol Failure

REFERENCES

- http://www.engppt.com/2009/12/networking-fourozan-ppt-slides.html