



LNMIIT

Presents

Introduction to Linux for Y16

Event Coordinators :

NEELESH SINGH RAJPUROHIT
(Y15)

9971751205
BH1- C212

SAKET KUMAR
(Y15)

8769646665
BH1- C212

TAYBA WASIM
(Y15)

7568688665
GH- B212

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licencing

Kernel

Shell

Root

Capitilization

Server and
Desktop

Importance of
Linux

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licencing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

Created by Linus Torvalds



Open Source OS for FREE

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licencing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

LINUX is **not** UNIX

Similarity in Commands

Linux was made Free**

Inspired from Unix

**Unix in 1990's was not Free, This
created a need for Linux.

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licencing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

Linus made his OS free and open source

So, many geeks and computer scientists
made their own version of linux, also known
as Distributions or Distros



Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

OPEN SOURCE*



Can be free OS with a Paid Support.

Can be completely
FREE

Can be completely Paid

* **Open source** means you are allowed to look at the code !

You may or may not get a permission to edit and distribute the code !!!

This a complete right of the code owner.

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

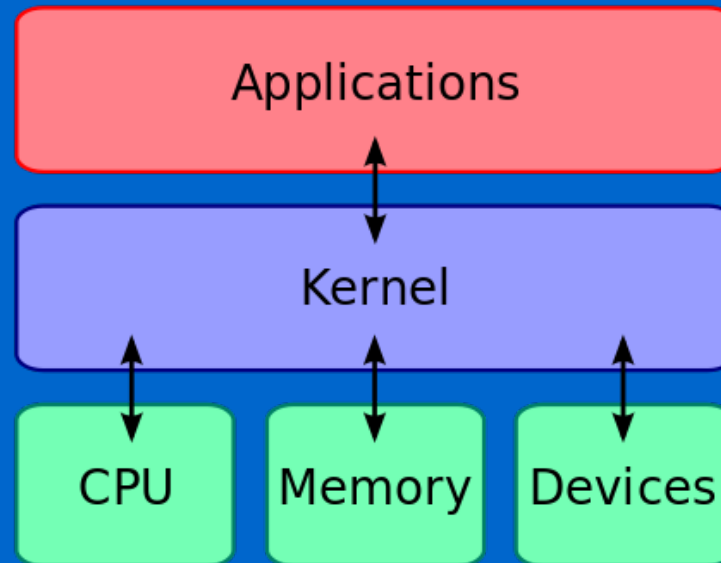
Shell

Root

Capitilization

Server and Desktop

Importance of
Linux



Micro Kernel – Minux (Unix based OS)

Monolithic Kernel – Linux

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

Shell – An interface used for Intracting with the Operating System

Shell may be GUI(Graphical User Interface) or LUI(Line User Interface)

In Linux LUI is more powerful than GUI



GUI (Mac OSX) v CLI (DOS)

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

Shell

Root

Capitilization

Server and Desktop

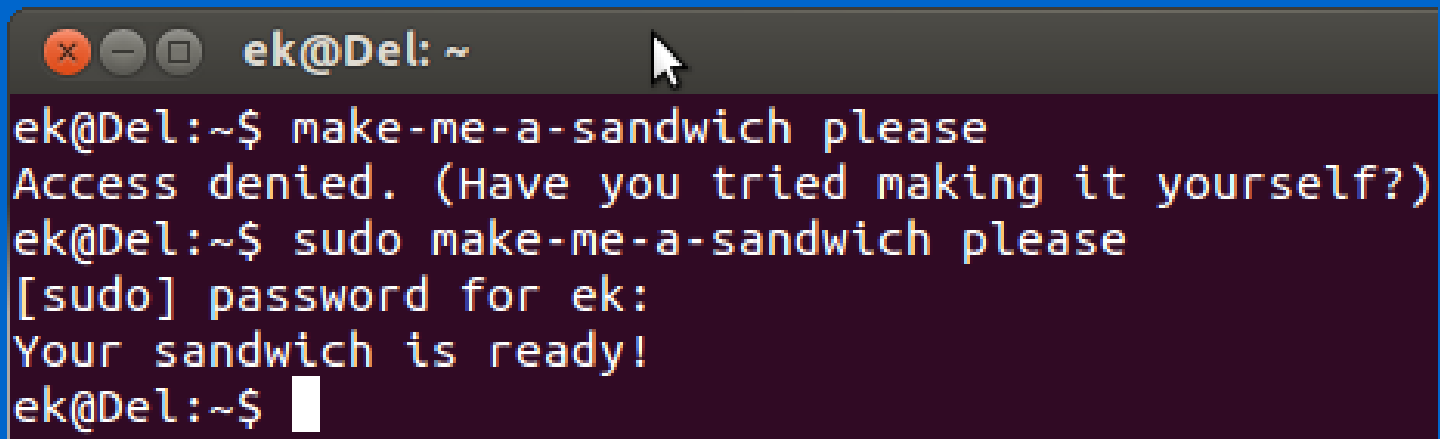
Importance of
Linux

Highest Level of **Anything**

Root User

Root Directory

Root privileges



```
ek@Del: ~  
ek@Del:~$ make-me-a-sandwich please  
Access denied. (Have you tried making it yourself?)  
ek@Del:~$ sudo make-me-a-sandwich please  
[sudo] password for ek:  
Your sandwich is ready!  
ek@Del:~$
```

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

HOME

home

Home

hOME

Linux terminal is case sensitive.

Windows cmd is NOT case
sensitive***

***** Passwords are always
Case-Sensitive !**

Introduction to Linux

What is Linux

Linux and Unix

Distros

Licensing

Kernel

Shell

Root

Capitilization

Server and Desktop

Importance of
Linux

Server

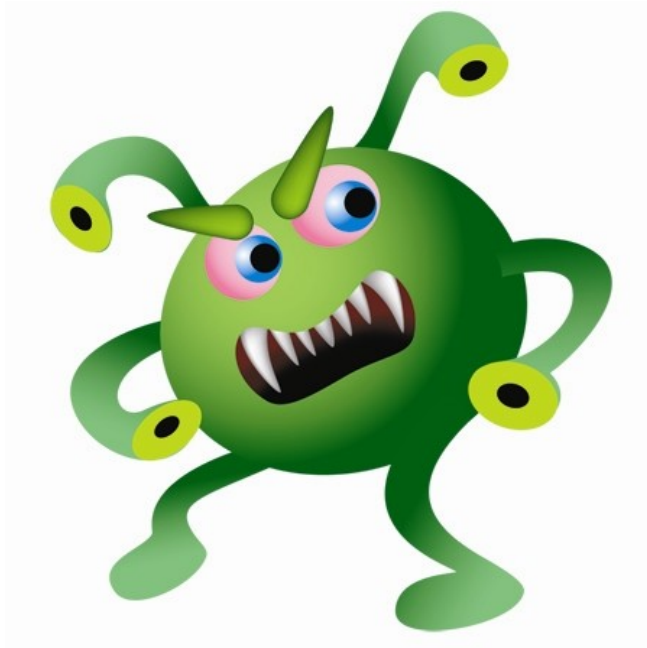
NO GUI

**Many tools are
not pre-installed**

**Strip down
version of Linux**

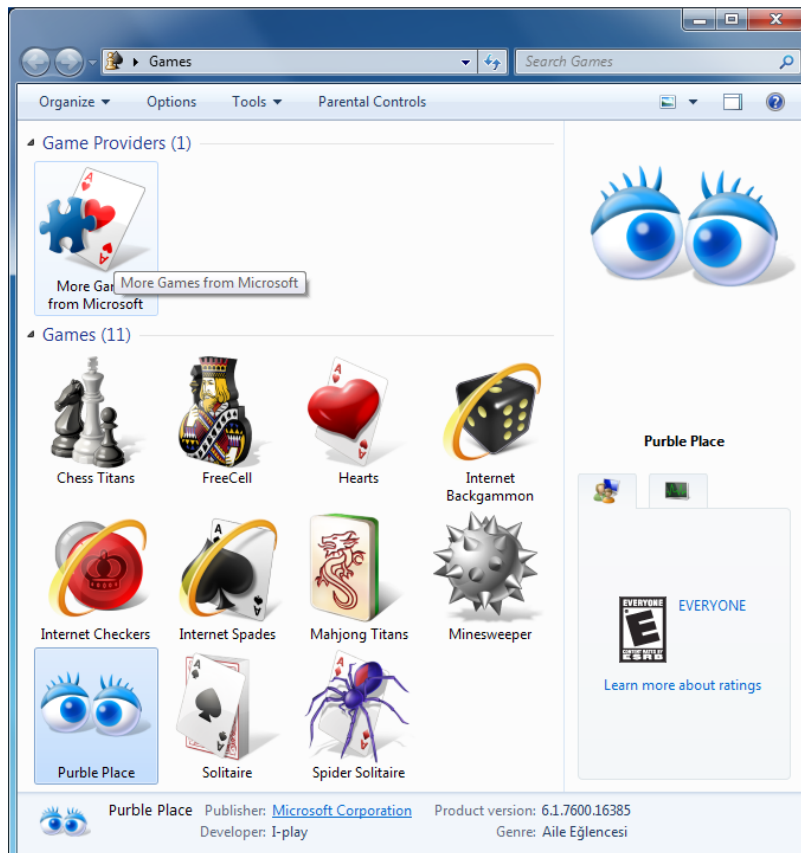
Importance of Linux

Forget about Viruses



1	2	3	4	5
				
<u>BitDefender Antivirus</u>	<u>TotalDefense Security</u>	<u>Preventon Antivirus</u>	<u>Norton Antivirus</u>	<u>ESET Nod32 Antivirus</u>
\$19.98	\$39.99	\$32.21	\$26.94	\$39.99

No more crapware



Don't pay \$100 for your operating system



Laptop with Windows OS



Laptop with Linux OS

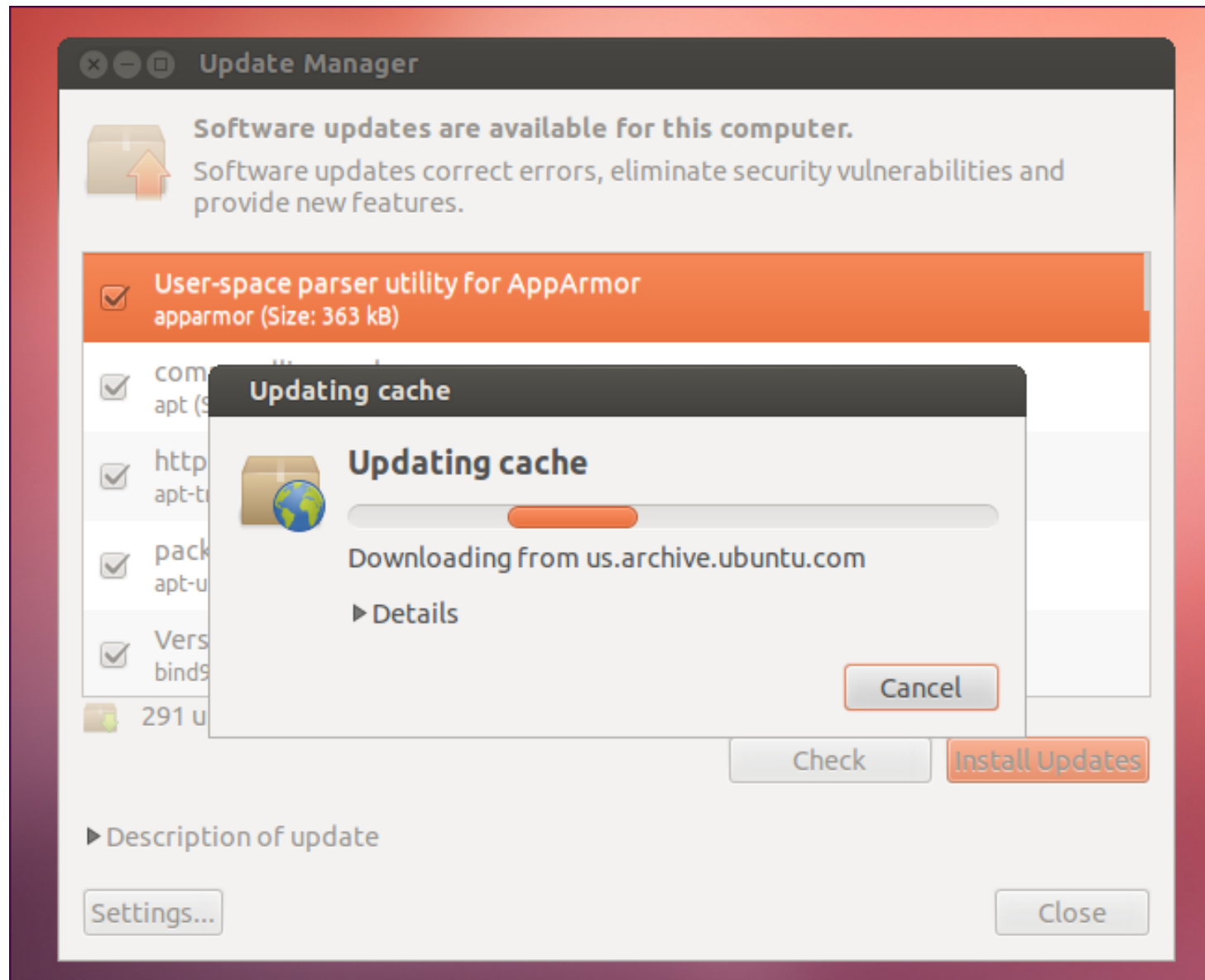


Freedom!

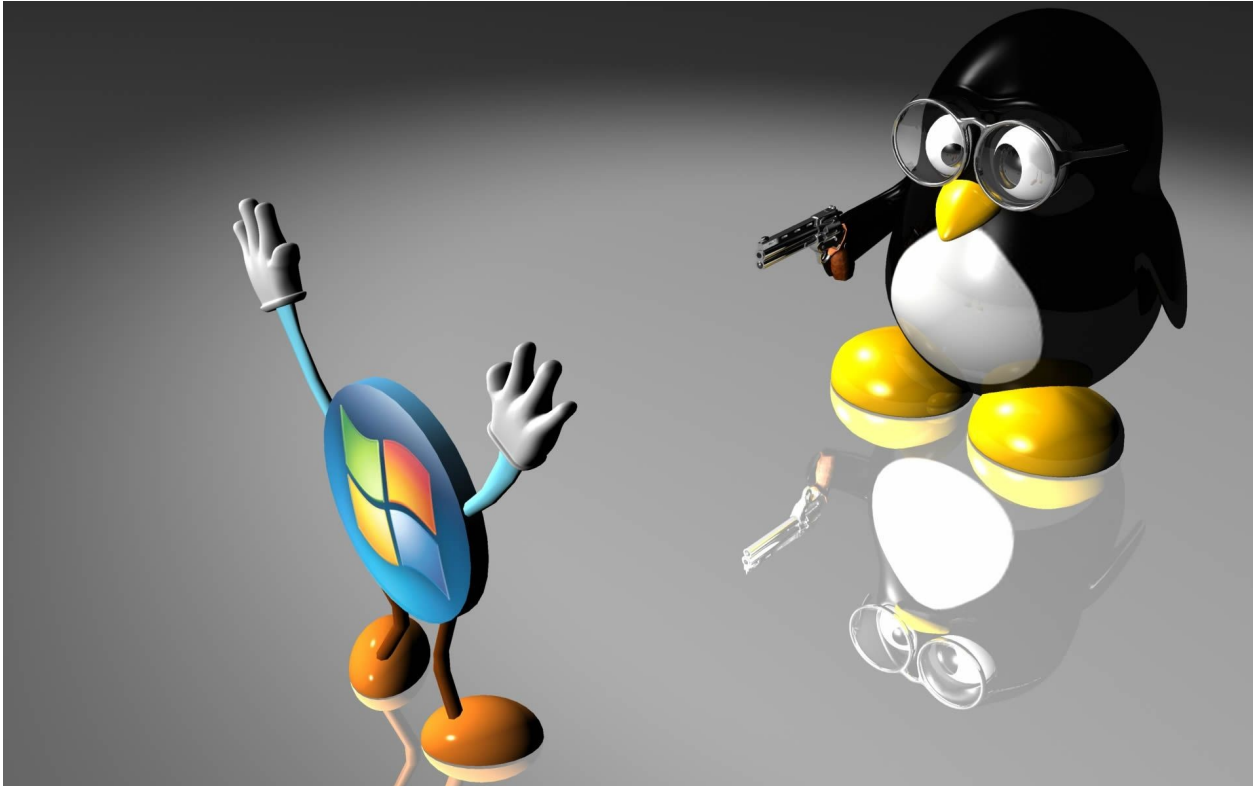


FREE to USE
FREE to EDIT
FREE to DISTRIBUTE

Update all your software with a single click



Forget about drivers



- Linux doesn't need separate drivers
- Out-of-the-box ready peripherals

Linux Works More in Less

Windows Demands -

1 GigaHz or Faster

1 GB RAM (32 Bit)/ 2GB
RAM (64Bit)

16 GB Harddisk space for
OS use



Linux Demands -

1 GigaHz or Faster

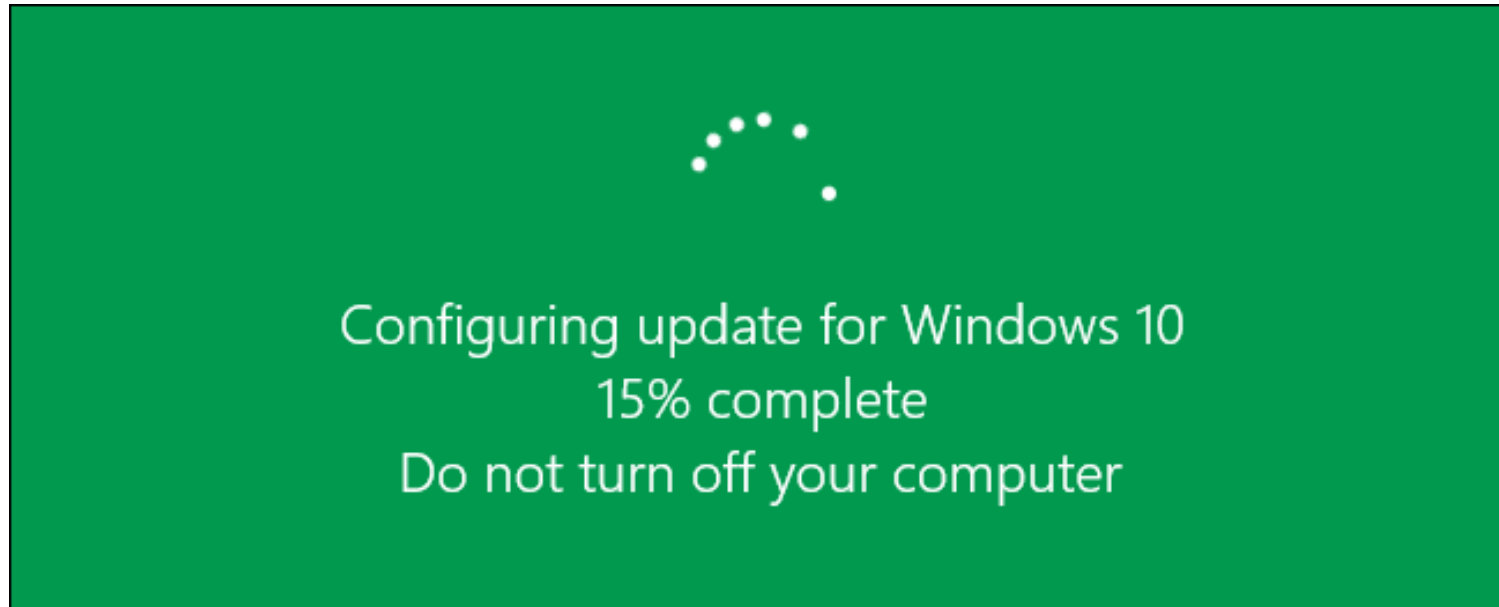
512 MB RAM (64Bit)

2 GB Harddisk space for
OS use

Why copy software illegally if you can get it for free?

Adobe Illustrator (~\$400)	Inkscape
Adobe Photoshop (~\$500)	The GIMP
Autodesk Autocad (~\$4000)	FreeCad
Microsoft Office (~\$200)	LibreOffice
Quark XPress (~\$600)	Scribus
Adobe Premiere (~\$800)	Pitivi, Kino, Cinelerra
Autodesk 3ds Max (~\$3500)	Blender
Cubase (~\$500)	Ardour

Why does your Windows get slower day after day?



Linux lets you spend more time working, less time reinstalling over and over again.

Other things

- Are you tired of Restarting your PC ?
- FREE and Unlimited Support
- No Backdoors in your software !

Why Stick to Windows then?

- Proprietary software you can't live without
- You are a Hardcore Gamer
- Book/Printing Industry
- You are Richie Rich



**Explore more on the
Internet**