

Linux Essentials workshops

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Overview

Linux
essentials

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What Is
Linux?

History
linus torvalds
Distribution

Command
Line

Second
Section

1 What Is Linux?

- History
- linus torvalds
- Distribution

2 Command Line

3 Second Section

What is Linux?

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Just like Windows XP, Windows 7, Windows 10, and Mac OS X, Linux is an operating system. An operating system is software that manages all of the hardware resources associated with your desktop or laptop. To put it simply the operating system manages the communication between your software and your hardware. Without the operating system (often referred to as the OS), the software wouldnt function.

History

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- Bell Laboratories Computer Sciences Research Center
- Unix
- Open-Source Experiments
- Free Software Foundation (FSF)
- GNU/Linux

linus torvalds

Linux essentials

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Linus Benedict Torvalds (born December 28, 1969) is a FinnishAmerican software engineer who is the creator, and historically, the principal developer of the Linux kernel, which became the kernel for many Linux distributions and operating systems such as Android and Chrome OS. He also created the distributed version control system Git and the diving logging and planning software Subsurface. He was honored, along with Shinya Yamanaka, with the 2012 Millennium Technology Prize by the Technology Academy Finland "in recognition of his creation of a new open source operating system for computers leading to the widely used Linux kernel". He is also the recipient of the 2014 IEEE Computer Society Computer Pioneer Award and the 2018 IEEE Masaru Ibuka Consumer Electronics Award.



Distribution

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A Linux distribution (often abbreviated as distro) is an operating system made from a software collection, which is based upon the Linux kernel and, often, a package management system. Linux users usually obtain their operating system by downloading one of the Linux distributions, which are available for a wide variety of systems ranging from embedded devices (for example, OpenWrt) and personal computers (for example, Linux Mint) to powerful supercomputers (for example, Rocks Cluster Distribution).

- RedHat
- Debian
- Arch Linux
- openSUSE
- Ubuntu
- ...

Command Line

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■ Bash

As any other thing Linux, you can choose your shell too (by shell I mean the command line interface). Bash is the most common one.

Bullet Points

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- Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Aliquam blandit faucibus nisi, sit amet dapibus enim tempus eu
- Nulla commodo, erat quis gravida posuere, elit lacus lobortis est, quis porttitor odio mauris at libero
- Nam cursus est eget velit posuere pellentesque
- Vestibulum faucibus velit a augue condimentum quis convallis nulla gravida

Blocks of Highlighted Text

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Block 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Block 2

Pellentesque sed tellus purus. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Vestibulum quis magna at risus dictum tempor eu vitae velit.

Block 3

Suspendisse tincidunt sagittis gravida. Curabitur condimentum, enim sed venenatis rutrum, ipsum neque consectetur orci, sed blandit justo nisi ac lacus.

Multiple Columns

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Heading

- 1 Statement
- 2 Explanation
- 3 Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Table

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Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Theorem

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Theorem (Mass–energy equivalence)

$$E = mc^2$$

Verbatim

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Example (Theorem Slide Code)

```
\begin{frame}  
\frametitle{Theorem}  
\begin{theorem}[Mass--energy equivalence]  
$E = mc^2$  
\end{theorem}  
\end{frame}
```

Figure

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Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

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An example of the `\cite` command to cite within the presentation:

This statement requires citation [?].

References

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John Smith (2012)

Title of the publication

Journal Name 12(3), 45 – 678.

The End