

Ubuntu

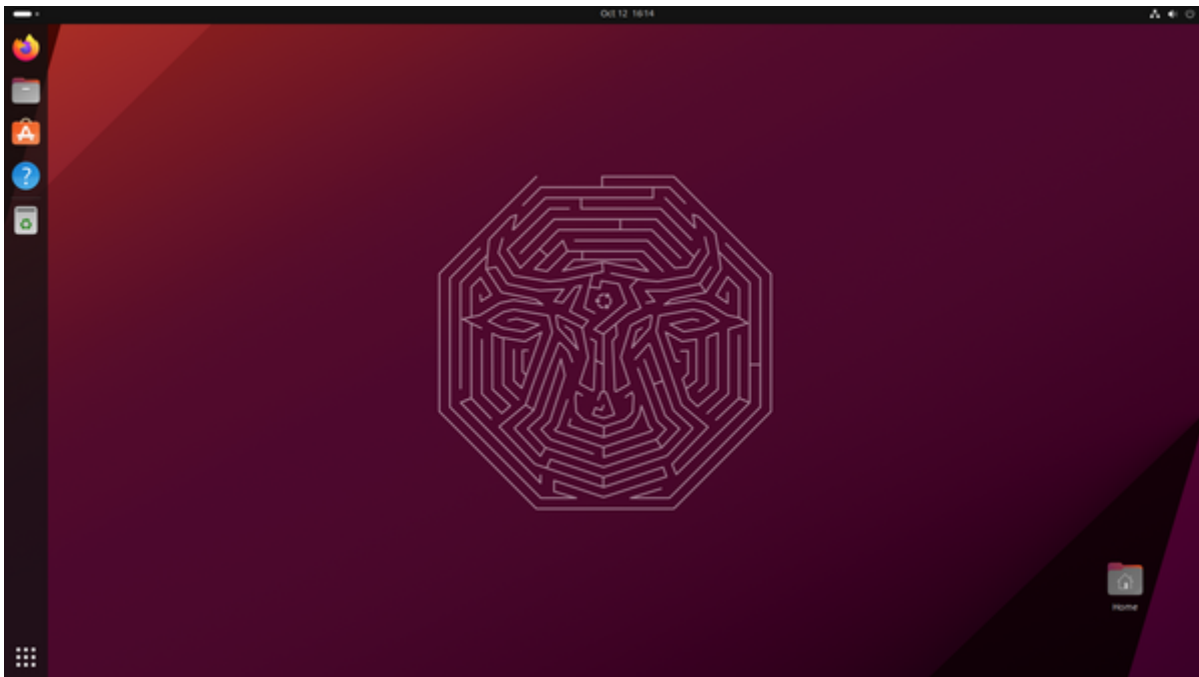


Ubuntu

Ubuntu is a *Linux* distribution based on *Debian* and composed mostly of free and open-source software.

Ubuntu is officially released in multiple editions: **Desktop, Server, and Core** for Internet of things devices and robots. The operating system is developed by the British company Canonical, and a community of other developers, under a meritocratic governance model. As of October 2023, the most-recent release is 23.10 ("*Mantic Minotaur*"), and the current long-term support release is 22.04 ("*Jammy Jellyfish*"). As with other Linux distributions, all of the editions can run on a computer alone, or in a virtual machine.

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what is Debian? Debian, also known as Debian GNU/Linux, is a Linux distribution composed of free and open-source software and proprietary software developed by the community-supported Debian

Project, which was established by Ian Murdock on August 16, 1993. Source:
<https://en.wikipedia.org/wiki/Debian>

Ubuntu Distributions

Official distributions

Desktop:

- Edubuntu
- Kubunutu
- Lubuntu
- Xubuntu
- Ubuntu Unity
- Ubuntu Budgie
- Ubuntu Mate
- Ubuntu Studio
- Ubuntu Cinnamon
- Ubuntu Kylin

Other

1. Ubuntu Cloud Images
2. Ubuntu Core
3. Ubuntu Server
4. Ubuntu Touch

Unofficial distributions

- Ubuntu DDE
- Ubuntu Web

Linux Commands

Some Basic Linux Commands

- **date**: displays the current time and date
- **cal**: displays a calendar of the current month
- **df**: displays the current amount of free space on our disk drives
- **free**: displays the amount of free memory
- **uname**: displays information about your system
- **clear**: clears the screen

A Basic bash script

```
# !/bin/bash
echo "The current date and time: "
date
echo "Basic details about the PC"
```

```
uname -a
echo "Total free memory"
free -h
```

Commands to navigate the filesystem

command	Description
ls	list files and directories
pwd	prints current directory
cd	change current directory