Ubuntu

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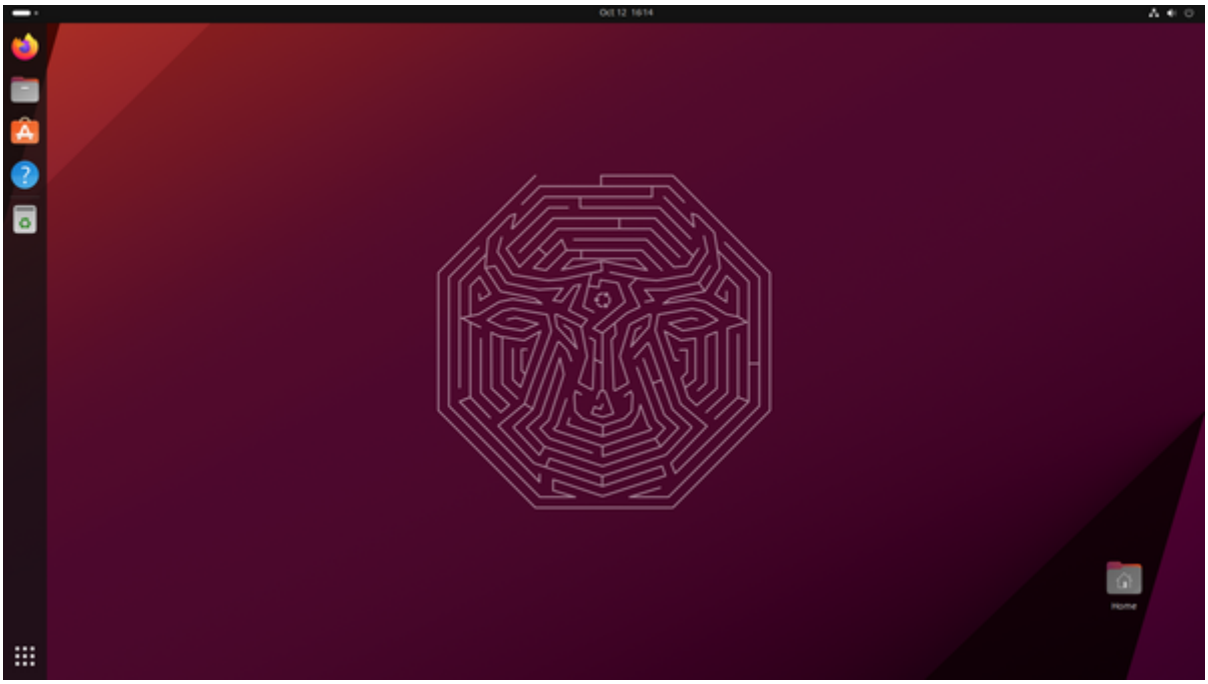
Introduction

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").



> Quote: 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

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

Some Basic Linux Commands

Command	Description
`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