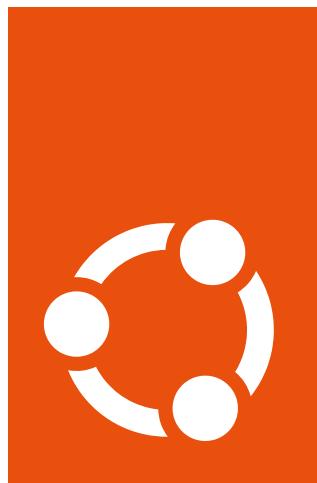


# Ubuntu

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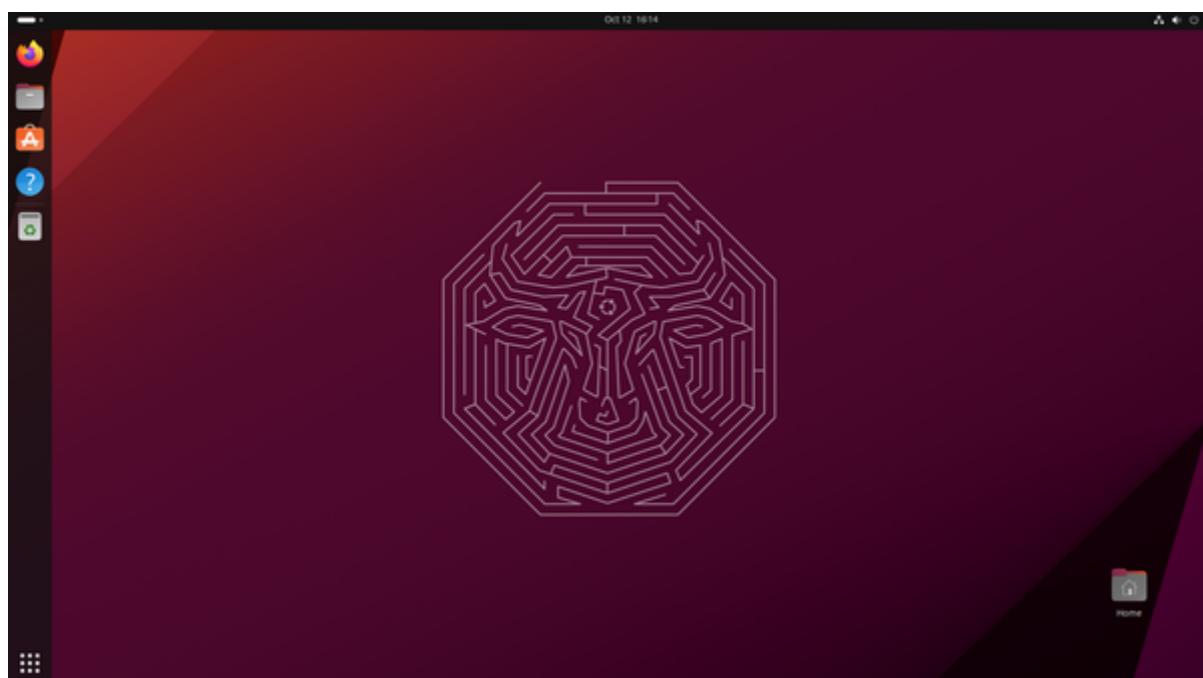
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# Ubuntu

## 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
- Kubuntu
- 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