

Ubuntu

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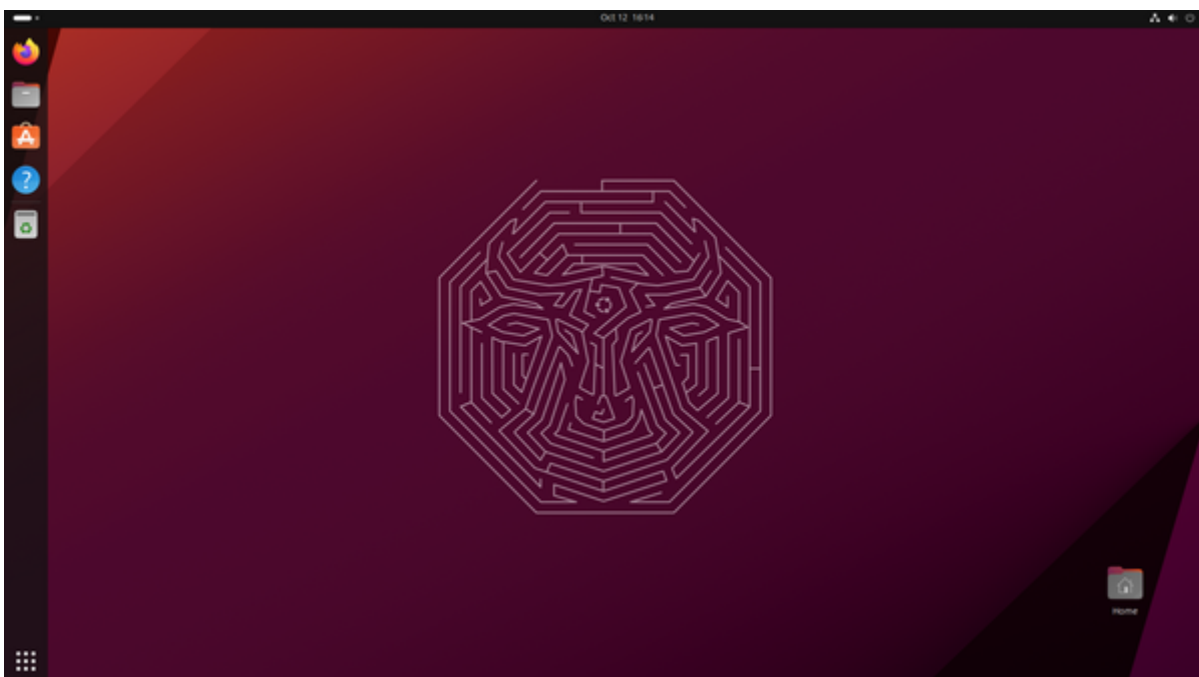


Ubuntu

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
- 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 |
|--------------------|--|
| <code>date</code> | displays the current time and date |
| <code>cal</code> | displays a calendar of the current month |
| <code>df</code> | displays the current amount of free space on our disk drives |
| <code>free</code> | displays the amount of free memory |
| <code>uname</code> | displays information about your system |
| <code>clear</code> | 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 |