Ubuntu

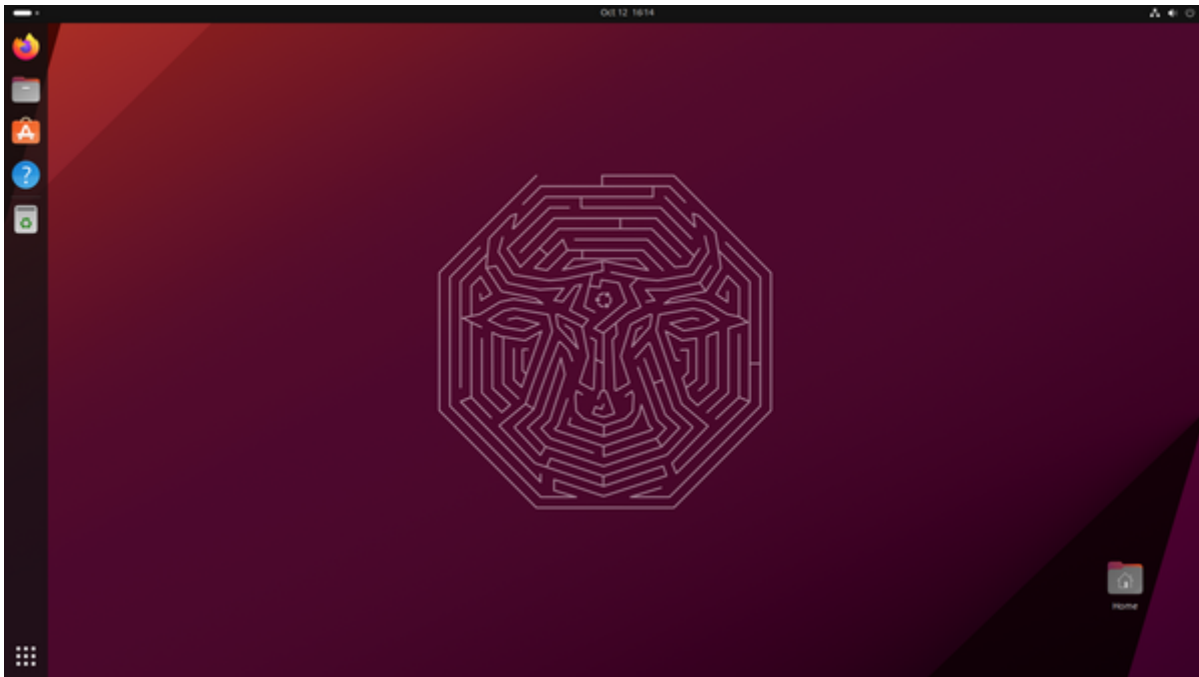**Ubuntu** is a *Linux* distribution based on Debian and composed mostly of free and open-source software. **Ubuntu** is officially released in multiple editions: ***Desktop, Server, and Core*** for Internet of things devices and robots. The operating system is developed by the British company Canonical, 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. An upgrade to Ubuntu is released every six months, with long-term support (LTS) releases every two years.Canonical provides security updates and support for each Ubuntu release,starting from the release date until the release reaches its designated end-of-life (EOL) date.

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

Ubuntu Cloud Images Ubuntu Core Ubuntu Server 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