

# Linux based OS

[ibx](#), [intel](#), [braswell](#), [software](#), [os](#), [operationsystem](#), [linux](#), [android](#), [ubuntu](#), [debian](#), [x86](#), [x86](#), [fedora](#), [opensuse](#)



## Overview

Linux is a Unix-like and mostly POSIX-compliant[ computer operating system (OS) assembled under the model of free and open-source software development and distribution. The defining component of Linux is the Linux kernel, an operating system kernel first released on September 17, 1991 by Linus Torvalds. The Free Software Foundation uses the name GNU/Linux to describe the operating system, which has led to some controversy.

Linux was originally developed as a free operating system for personal computers based on the Intel x86 architecture, but has since been ported to more computer hardware platforms than any other operating system. Because of the dominance of Android on smartphones, Linux has the largest installed base of all general-purpose operating systems. Linux is also the leading operating system on servers and other big iron systems such as mainframe computers and virtually all fastest supercomputers but also runs desktop computers.

## Installation

- 1. Download any ISO of a linux based OS from their official Website.**
- 2. Make a bootable installation media out**  
[How to prepare an Installation Media](#)
- 3. Boot from installation media after bios screen** (by pressing the F7-button)
- 4. Install the OS the common way.**

The minimum kernel that should be run on the Braswell is 4.9 preferably 4.14. (4.4 barely has support for Braswell)

Operation systems tested and working:

- [Debian Unstable \(min Kernel 4.4.x\)](#)

- [Fedora 24](#)
- [Ubuntu 16.04](#)
- [LibreElec](#)
- [OpenElec](#)
- [RemixOS / Android](#)
- [Chromium OS](#)
- [OpenSuse](#)

## Links

- [Distrowatch: Overview of Operation Systems](#)

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