

Pre-Requisites

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Computer Basics

Hardware, software, types of computers - etc

A server is a computer that serves up information to other computers on a network. For example, on the Internet, you're looking at something that's stored on a server.

- Many businesses also use local file servers to store and share files internally.

Operating System: program that lets you interact with your computer

- An operating system is the most important software that runs on a computer. It manages the computer's memory and processes, as well as all of its software and hardware (Mac, Windows, etc).
- Modern OS' use a GUI to allow the user to interact with the computer

Linux: family of open source operating system (ex Ubuntu)

- Can be modified and used by anyone
- This is important in development!

Applications: word processors, web browsers, games, etc

Open vs Closed Source:

- Source code, which is the technical blueprint that tells a program how to function
- With open source software, the source code is publicly available to anyone who wants it

Note: in-browser code editors are also called Sandboxes (Replit being part of this category)

Installation Jargon

A [virtual machine](#) is an emulation of a computer that runs within your existing OS. It allows you to run a different operating system inside of a program on your current operating system (e.g. Running Linux inside of Windows).

Dual-booting means installing two operating systems on your computer, giving you the option to choose which one to boot into.

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to use another operating
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to boot either Linux or

Windows when your computer starts up.

Text Editors

Code editors: specialized web development tools - VSCode recommended! (and installed/set u

p already)