Background and Introduction

What You Will Learn

- What Linux is

- Brief history of Linux

- What a Linux Distribution is

- Reasons Linux is used

What is Linux?

- An Operating System
- A Kernel
- Created by Linus Torvalds in 1991
- First version released in 1994
- FOSS (Free/Open Source Software)
- Unix-Like

Linux Distributions

- Linux Kernel Plus Additional Software

- Each Distribution has its own focus

- Many of Distributions available

Linux Distributions (See Distrowatch.com)

- Red Hat Enterprise Linux (RHEL)
- Fedora
- CentOS
- AlmaLinux / Rocky Linux
- Ubuntu
- Debian
- SuSE Linux Enterprise Server (SLES)
- OpenSuSE

Why Linux?

- Runs on many hardware platforms
- Small Footprint
- Stable, Reliable, Secure
- Great for servers
- FOSS
- Free Software Ecosystem
- Choice / Freedom

Summary

- Linux is an operating system.
- At the heart of the OS is the Linux Kernel.
- Linux is the layer between applications and hardware.
- Linux can be used as a server or a desktop.
- Distributions are implementations of Linux, each with their own goals and focus.