
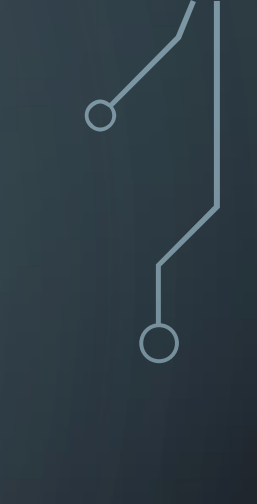
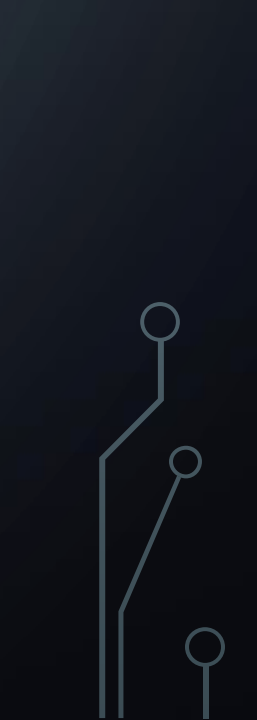


An abstract graphic on the left side of the slide, consisting of a series of vertical and diagonal lines of varying lengths, some ending in small circles, resembling a circuit board or a stylized tree structure.

# LINUX IN THE ENTERPRISE



# OBJECTIVES

- Understand what Linux is
  - Understand devices that Linux is built into
  - Understand why we need to care about Linux in the enterprise
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# WHAT IS LINUX?


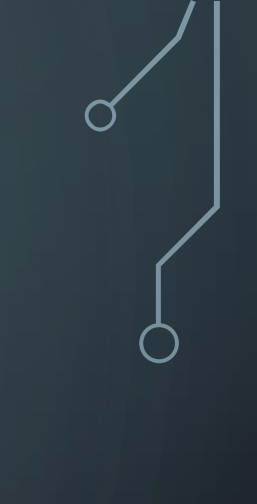
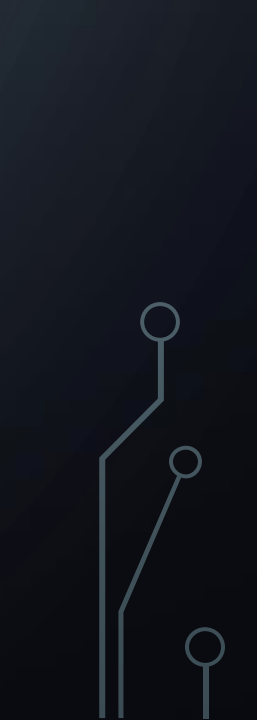
- Linux is an operating system
- It's used for a lot of technology, such as cars, TV's, thermostats, and particularly servers
- Linux runs most of the internet in some, size, shape or form
  - Estimated over 95% of the internet runs on Linux
- 99% of supercomputers run Linux
- Android, which powers over 2/3 of phones in the world, is Linux

# A BRIEF HISTORY ON LINUX

- GNU Project started in 1983 by Richard Stallman
  - Goal was to create a “complete Unix-compatible software system” composed of free software
- 1985 Stallman started Free Software Foundation and wrote the GNU GPL
  - GNU stands for “GNU’s Not Unix” – a recursive acronym
  - GPL stands for General Public License which allows users to run, study, share and modify the software
- UNIX like operating system that started development by Linus Torvalds in 1991
  - Started to take off in the mid 90’s when it was adopted by larger corporations



# TODAY

- Linux keeps evolving
  - Linus Torvalds is still the primary contributor to the kernel and still completely involved
  - There are 100's of distributions and variations of Linux
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# WHY DO WE CARE?

- Someone at least has something they own that runs Linux
- Enterprises run at least something on Linux
  - Industrial control systems
  - Web servers
  - Files servers
  - DNS
  - Big Data systems

# WHAT IS LINUX GOOD AT?

- You name it – there is something that it is good at
- Just takes time to figure out and program
- Some of the pitfalls
  - You have to understand it
  - You constantly need to know how it works and keep up with the technology
  - It's a different way of thinking

# CONCLUSION

- A system administrator will encounter Linux at some point in their career
- Well versed Linux administrators will always have work
- Since Linux runs quite a bit of the internet and technology, it's best to learn it even if you are not going to be a Linux admin