



**\*\*This study guide is based on the video lesson available on TrainerTests.com\*\***

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## Linux Distributions

### **Linux Mint:**

- Based on Ubuntu
- User-friendly desktop environment similar to Windows
- Ideal for users migrating from Windows

### **• MX Linux:**

- Another desktop distro with a Windows-like interface
- Easy to use

### **• Kali Linux:**

- Security-focused distro
- Pre-loaded with hundreds of hacking and security tools

### **• Ubuntu:**

- Extremely popular distro
- Offers various editions, including a server edition and a desktop edition with a graphical user interface
- This course will primarily use the Ubuntu server edition due to its emphasis on command-line instruction

### **• CoreOS:**

- Designed for small, embedded systems like Raspberry Pi

# Distributions



- Too many distributions to name here...
- Different distros for different purposes
  - <https://distrowatch.com/>
- Linux is a Unix-like operating environment
- Regardless of the distro, there is always:
  - Linux Kernel (Core, talks to hardware)
  - Default GNU software (Command utilities)
  - General utilities (text editors, etc.)
- We will start with Ubuntu, but you can apply what you learn to other distributions

## Ubuntu



- Extremely popular
- 3 Editions:
  - Desktop: GUI desktop environment
  - Server: Command line only server
  - Core: For IoT, Raspberry Pi, etc..