1.1 Linux Introduction

As you study this section, answer the following questions:

- What year was Linux created? Who originally created Linux?
- What are the most common server roles for Linux servers?
- What is the development cycle for Linux?
- What is a Linux kernel?
- What are Linux distributions?
- What is a Linux user interface? What are the two most common types of user interfaces?

Key terms for this section include the following:

Term	Definition
Linux kernel	The Linux kernel is the core of the Linux operating system. It is the actual operating system itself.
Graphical user interface (GUI)	A Linux graphical user interface (GUI) is similar to the GUIs used in other operating systems such as Windows. When a user wants to complete some task, they can click on buttons or navigate through menus to accomplish the desired task.
Distribution	A unique compilation of the Linux kernel (free and open to all), utilities, desktop environments, applications, and more.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
CompTIA Linux+	2.5: Summarize and explain server roles. - NTP - SSH - Web - Certificate authority - Name server - DHCP - SNMP - File servers - Authentication server - Proxy - Logging - Containers - VPN - Monitoring - Database - Print server

- Mail server
- Load balancer
- Clustering