Getting Started with Linux Fundamentals

Course code: RH104

Introduction to concepts and fundamental skills for Linux users who run applications and services in Linux environments, but do not perform Linux system administration.Getting Started with Linux Fundamentals (RH104) is designed for IT professionals and business users who access Linux systems, and run Linux-based applications and services, but have little to no previous UNIX or Linux experience. This course introduces Linux concepts and fundamental skills to Linux users who do not manage or administer Linux systems. Professionals who require system administration skills should instead take Red Hat System Administration I (RH124).

Who is the course for

- RHA
- Beginner Linux User
- Windows users running recent Microsoft Windows versions with the Linux subsystem
- Users with Windows experience moving to a new job or company that uses Linux
- Computer science students interested in learning Linux, but without intending to become a system administrator
- Programming students who will develop for or deploy to Linux environments
- Beginning cloud-native developers looking for a comprehensive technical introduction to the Linux operating environment
- Red Hat associates and partners who want to be more technically proficient on Linux but not system administration

What we teach you

- Introducing Linux by comparing user-relevant component distinctions between popular Linux distributions
- Logging in and out of local and remote Linux systems, both with passwords and by using passwordless keys
- Working with a graphical desktop environment and applications
- Working from a command line, including operating shell environments and programs
- Navigating Linux file systems and locating and running programs and applications
- Distinguishing between text and binary files, and using various editing tools to modify text files
- Organizing files and directories, and configuring permissions to provide file security
- Verifying core system configuration, such as network addresses, running services, and storage space

Required skills

- Take our free assessment
- to gauge whether this offering is the best fit for your skills
- There are no prerequisites for this course

Course outline

- Introduction to Linux
- Define and explain the purpose of Linux, and Linux distributions.
- Accessing a Linux System
- Interact with the GNOME desktop, and query the terminal environment.
- Managing Files in Linux
- Use graphical and command-line tools to create and modify text files, and to identify binary files.
- File Systems Overview
- View and manage file organization in a Linux system.
- Users and File Permissions
- Interact with user accounts and identify file permissions.
- Obtaining and Installing Software Packages
- Obtain and install software from official repositories and other sources.
- Linux Networking and System Resources

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- Describe fundamental concepts of networking, verify network settings, and monitor system resources.

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