

## **RH190 Red Hat Command Line System Administration**

### **Course Summary**

#### **Description**

Red Hat Command Line Skills (RH190) is designed for IT professionals who are new to Linux and UNIX administration and require core administration skills using the command line only. Graphical user interface (GUI) administration tools will not be addressed in this course. Students seeking their RHCSA certification who are interested in command-line administration skills should attend this course followed by our RHCSA Rapid Track (RH200) course.

#### **Topics**

- Accessing the command line locally and via SSH
- Linux file system structure and file management
- Expressions, pipelines, and redirection
- Managing users and groups
- Controlling file access to users and groups
- Managing processes and services
- Installing and managing software with yum
- Managing virtual machines with KVM

#### **Audience**

This course is designed for IT professionals and application administrators who need to gain a core level of proficiency with Linux administration and are interested in command-line tools. Individuals seeking their RHCSA credential who require command-line fundamentals.

#### **Prerequisites**

Before taking this course, students should have previous exposure to command-line system administration.

#### **Duration**

Three days

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### **Course Outline**

- I. Accessing the command line**
  - A. Access the command line locally and remotely; obtain administrative privileges
- II. Manage files from the command line**
  - A. Explore the Linux file system hierarchy; use path names; manage files and directories
- III. Get help in a textual environment**
  - A. Access Linux documentation
- IV. Intermediate command-line tools**
  - A. Use hard and symbolic links; archive and compress files and send them to a remote system; use vim to edit text files
- V. Regular expressions, pipelines, and I/O redirection**
  - A. Use regular expressions to search for patterns; redirect output and use pipelines to combine commands
- VI. Managing user accounts**
  - A. Manage local user and group accounts and manage passwords
- VII. Controlling access to files**
  - A. Manage file ownerships and permissions
- VIII. Managing processes**
  - A. Manage process scheduling
- IX. Installing and managing software**
  - A. Manage software
- X. Managing installed services**
  - A. Manage installed services
- XI. Install Linux graphically**
  - A. Install a Linux workstation
- XII. Manage virtual machines**
  - A. Manage virtual machines