

# Red Hat Linux Essentials

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**RH033: 5 Days** Registration closes the Thursday before the start date for these classes.

## Course Overview

An introduction to fundamental end-user and administrative tools in Red Hat Enterprise Linux, designed for students with little or no command-line Linux or UNIX experience.

## Audience Profile

IT professionals who want to build user-level skills before learning Linux System and Network Administration.

## At Course Completion

A power user or junior administrator who can effectively install, use and perform basic configuration of a Red Hat Enterprise Linux system

## Prerequisites

User-level experience with any computer system, including: use of mouse, use of menus and use of any graphical user interface.

## Related Certification Exam(s)

N/A




- KRemote Access!
- Available as eLearning!
- Available as a Private Class!

## Next Class(es)


RH131- Red Hat Linux System Administration or  
RH133- Red Hat Linux System Administration and RHCT

## Course Outline


### Module 1: Linux Ideas and History

 An Introduction to Linux and Open Source: what are the central ideas behind the Linux phenomenon and where do they come from?


### Module 2: Linux Usage Basics

 Logging into the system, changing users and editing text files


### Module 3: Running Commands and Getting Help

 How to use built-in and online documentation to enhance your experience


### Module 4: Browsing the Filesystem

 Understanding the locations of important directories on a Red Hat Enterprise Linux system and navigating them from the command line and using the graphical Nautilus browser.


### Module 5 - Users, Groups and Permissions

 Reading and setting permissions on files and directories


### Module 6 - Using the bash Shell

 Basic tips and tricks to make Red Hat Enterprise Linux's default shell work for you. Topics include tab completion, history and an introduction to shell scripting.


## Module 7 - Standard I/O and Pipes

 The ins-and-outs of redirecting output between programs and files


## Module 8 - Text Processing Tools

 An introduction to some of the most useful text-processing utilities in Red Hat Enterprise Linux, including grep, cut, sed, sort, diff and patch


## Module 9 - vim: An Advanced Text Editor

 How to get the most out of the powerful and flexible vim text editor


## Module 10 - Investigating and Managing Processes

 Listing, terminating and scheduling program executions on a Red Hat Enterprise Linux system.


## Module 11 - Basic System Configuration Tools

 Using Red Hat Enterprise Linux's graphical and text-based configuration tools to manage networking, printing and date/time settings.


## Module 12 - Finding and Processing Files

 In-depth coverage of using the find command and related utilities to locate and act upon files based on arbitrary criteria.


## Module 13 - Network Clients

 An overview of network tools available in Red Hat Enterprise linux, from web browsers to email clients and diagnostic utilities


## Module 14 - Advanced Topics in Users, Groups and Permissions

 A deeper discussion of how user and group identities are stored on a Red Hat Enterprise Linux system, as well as the introduction of advanced filesystem permissions like SetUID and SetGID.


## Module 15 - The Linux Filesystem In-Depth

 The nuts-and-bolts of how Red Hat Enterprise Linux deals with filesystems. Topics include partitions, inodes, linking and archiving tools.

## Module 16 - Essential System Administration Tools

 An introduction to fundamental system administration topics such as installing Red Hat Enterprise Linux, managing software packages, and enhancing security with SELinux and the netfilter firewall

## Module 17 - So... What Now?

 Exposure to further options for training and involvement in the larger open-source community