



RHCSA Rapid Track Course with Exam (RH200) HK835S

HPE course number	HK835S
Course length	5 days
Delivery mode	ILT
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This course combines Red Hat System Administration I (RH124) and Red Hat System Administration II (RH134), reviewing the tasks at an accelerated pace. The Red Hat Certified System Administrator (RHCSA) exam (EX200) is also included. This offering is based on Red Hat® Enterprise Linux® 8.2 and is designed for experienced Linux system administrators.

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Audience

This offering is for Windows system administrators, network administrators, and other system administrators who are interested in supplementing current skills or back-stopping other team members, in addition to Linux system administrators who are responsible for these tasks:

- Configuring, installing, upgrading, and maintaining Linux systems using established standards and procedures
- Providing operational support
- Managing systems for monitoring system performance and availability
- Writing and deploying scripts for task automation and system administration

Prerequisites

- You are expected to understand fundamental Linux computing concepts and to be ready to practice the Red Hat Enterprise Linux methods for performing system administration tasks. Significant field experience working with Linux as a system administrator is recommended.
- If you do not have experience with fundamental Linux computer concepts, we advise you start with the Red Hat System Administration I (RH124) course.

Course objectives

- Package management with new repository structure and appstream modules
- Create storage devices, volumes, and file systems, including Stratis storage management
- Configure network services and security
- Manage processes, scheduling, and tuning
- Manage users, groups, and authentication
- Perform server management with the Cockpit web management utility
- Troubleshoot and obtain support
- Run containers

Detailed course outline

Access Systems and Get Help	<ul style="list-style-type: none"> Log in to local and remote Linux systems, and investigate problem resolution methods provided through Red Hat Insights and support
Navigate File Systems	<ul style="list-style-type: none"> Copy, move, create, delete, and organize files while working from the bash shell
Manage Local Users and Groups	<ul style="list-style-type: none"> Create, manage, and delete local users and groups and administer local password policies
Control Access to Files	<ul style="list-style-type: none"> Set Linux file system permissions and interpret the security effects of different permission settings
Manage SELinux Security	<ul style="list-style-type: none"> Protect and manage the security of a server by using SELinux
Tune System Performance	<ul style="list-style-type: none"> Evaluate and control processes, set tuning parameters, and adjust process scheduling priorities on a Red Hat Enterprise Linux system
Install and Update Software Packages	<ul style="list-style-type: none"> Download, install, update, and manage software packages from Red Hat and yum package repositories
Manage Basic Storage	<ul style="list-style-type: none"> Create and manage storage devices, partitions, file systems, and swap spaces from the command line
Control Services and the Boot Process	<ul style="list-style-type: none"> Control and monitor network services, system daemons, and the boot process using system
Manage Networking	<ul style="list-style-type: none"> Configure network interfaces and settings on Red Hat Enterprise Linux servers
Analyze and Store Logs	<ul style="list-style-type: none"> Locate and accurately interpret logs of system events for troubleshooting purposes
Implement Advanced Storage Features	<ul style="list-style-type: none"> Create and manage logical volumes containing file systems and swap spaces from the command line, and configure advanced storage features with Stratis and VDO
Schedule Future Tasks	<ul style="list-style-type: none"> Schedule tasks to automatically execute in the future
Access Network-Attached Storage	<ul style="list-style-type: none"> Access network-attached storage using the NFS protocol
Manage Network Security	<ul style="list-style-type: none"> Control network connections to services using the system firewall and SELinux rules
Run Containers	<ul style="list-style-type: none"> Obtain, run, and manage simple, lightweight services as containers on a single Red Hat Enterprise Linux server

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