



# RH300

## RH300 Red Hat Certified Engineer (RHCE) Rapid Track Course

### Course Description

The Red Hat Certified Engineer™ course is designed for experienced UNIX and Linux administrators, networking specialists, and system administrators. This course provides intensive hands-on training on Red Hat Enterprise Linux 4, and includes the RHCE Certification Lab Exam. Those who are interested in taking the rapid track course, but who would prefer to defer taking the exam until the later date, or who are not interested in certification may wish to consider RH301.

### Target Audience

UNIX or Linux system administrators who have significant real-world experience with UNIX or Linux systems administration and some experience setting up key networking services such as HTTP, DNS, NIS, DHCP, and who want a fast-track course to prepare for the RHCE Exam

### Prerequisites

RH035, RH133 & RH253 or equivalent experience with Red Hat Enterprise Linux.

\* **Pre-course assessment** to ascertain suitability at <http://www.redhat.com/apps/training/assess/>

### Duration

4 Days Course (15 Training Units) + 1 Day RHCE Exams  
Time: 9.00am – 5.30pm

### Materials Provided

- RH300 Courseware
- Other Red Hat marketing collaterals, subjected to availability

### Upon Successful Completion

The candidate will be a senior Red Hat Enterprise Linux administrator who has been tested by the means of the RHCE Exam, a realistic performance-based lab exam that tests his/her actual ability to install and configure Red Hat Enterprise Linux, understand limitations of hardware, configure networking and file systems, configure the X Window System; configure security, set up common network (IP) services, carry out diagnostics and troubleshooting, and perform senior Red Hat Enterprise Linux system administration.

### Prepares For

RH302 Red Hat Certified Engineer (RHCE) Certification Lab Exam  
Red Hat Enterprise Architect Curriculum & Endorsement Exams

### Assessments & Certificates

- Certificate of Attendance
- RH302 RHCE Certification Lab Exam
- RHCE Certificate

### In this course, you will learn:

#### Unit 1 : Installation

*The Red Hat Installer; SELinux Installation Options; Post-Install Configuration*

#### Unit 2 : System Initialization

*Boot Sequence; init; Virtual Consoles*

#### Unit 3 : Filesystem Management

*Managing Partitions; Managing FileSystems; SELinux*

#### Unit 4 : RPM & Kickstart

*The RPM Way; RHN; Remote Administration*

#### Unit 5 : User Administration

*User Private Groups; LDAP; The Linux Quota System*

#### Unit 6 : System Administration Topics

*Global Network Parameters; CUPS; Cron*

#### Unit 7 : Kernel and Advanced Filesystem Administration

*Device Nodes; RAID; Logical Quota*

#### Unit 8 : X Window System

*XOrg; Configuration IUtilities; Remote X Sessions*

#### Unit 9 : Network Security

*Netfilter; Chain Operations; Match*

#### Unit 10 : The HTTP Services

*Apache; Squid*

#### Unit 11 : Network File Sharing Services

*NFS Server; FTP; Samba*

#### Unit 12 : DNS

*DNS; BIND*

#### Unit 13 : Electronic Mail Services

*MTA; Sendmail; Dovecot IMPA and POP3 server*

#### Unit 14 : xinetd, OpenSSH & DHCP

*xinetd; OpenSSH; DHCP*

#### Unit 15 : Troubleshooting

*Things to Check; Filesystem; Rescue Environment*



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