

Training: Red Hat
EX300 Red Hat Certified Engineer (RHCE) Exam

FORM OF TRAINING

MATERIALS

PRICE

DURATION

Traditional

Hardcopy

360 EUR

1 day

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm

Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

This exam and the exam objectives provided here are based on the Red Hat Enterprise Linux 7 version of the exam. The performance-based **Red Hat® Certified Engineer Exam (EX300)** tests to determine if your knowledge, skill, and ability meet those required of a senior system administrator responsible for **Red Hat Enterprise Linux (RHEL)** systems. [Red Hat Certified System Administrator \(RHCSA\) certification](#) is required to earn **Red Hat Certified Engineer (RHCE) certification**.

AUDIENCE:

- Experienced Linux IT professionals who currently have RHCSA certification and are interested in earning an RHCE certification
- Experienced Red Hat Enterprise Linux system administrators seeking validation of their skills
- Students who have attended the Red Hat System Administration I, II, and III courses or the RHCE Rapid Track course
- Experienced Linux system administrators who require a certification either by their organization or based on a mandate (DOD 8570 directive)
- An RHCE who is noncurrent and has passed the RHCSA exam

CONSPECT:

- System configuration and management
 - Use network teaming or bonding to configure aggregated network links between two Red Hat Enterprise Linux systems.
 - Configure IPv6 addresses and perform basic IPv6 troubleshooting.
 - Route IP traffic and create static routes.
 - Use FirewallD, including Rich Rules, Zones and custom rules, to implement packet filtering and configure network address translation (NAT).

- Use `/proc/sys` and `sysctl` to modify and set kernel runtime parameters.
- Configure a system to authenticate using Kerberos.
- Configure a systems as either an iSCSI target or initiator that persistently mounts an iSCSI target.
- Produce and deliver reports on system utilization (processor, memory, disk, and network).
- Use shell scripting to automate system maintenance tasks.
- Configure a system to log to a remote system.
- Configure a system to accept logging from a remote system.
- Network Services
 - Install the packages needed to provide the service.
 - Configure SELinux to support the service.
 - Use SELinux port labelling to allow services to use non-standard ports.
 - Configure the service to start when the system is booted.
 - Configure the service for basic operation.
 - Configure host-based and user-based security for the service.
- HTTP/HTTPS
 - Configure a virtual host.
 - Configure private directories.
 - Deploy a basic CGI application.
 - Configure group-managed content.
 - Configure TLS security
- DNS
 - Configure a caching-only name server.
 - Troubleshoot DNS client issues.
- NFS
 - Provide network shares to specific clients.
 - Provide network shares suitable for group collaboration.
 - Use Kerberos to control access to NFS network shares.
- SMB
 - Provide network shares to specific clients.
 - Provide network shares suitable for group collaboration.
- SMTP
 - Configure a system to forward all email to a central mail server.
- SSH
 - Configure key-based authentication.
 - Configure additional options described in documentation.

- NTP
 - Synchronize time using other NTP peers.
 - Database Services
 - Install and configure MariaDB.
 - Backup and restore a database.
 - Create a simple database schema.
 - Perform simple SQL queries against a database.

REQUIREMENTS:

- **RHCSA Rapid Track Course**, System Administration I, II, or III or equivalent experience
- Real-world system administration experience
- Not sure if you have the correct skill-set knowledge? Find out by passing the online skills assessment https://www.redhat.com/rhtapps/assessment/?partner=compendium_centrum
- Read the **RHCE Exam** objectives <http://www.redhat.com/training/courses/ex300/examobjective> for more information on skills requirements.

Difficulty level



CERTIFICATE:

Participants will obtain certificates signed by Red Hat.

TRAINER:

Red Hat Certified Instructor