Red Hat System Administration III: Data Center Services for RHEL 7 + EX200 & EX300 (RH255)

ID RH255 **Price** CHF 3,563.—(excl. VAT) **Duration** 5 days

Who should attend

Red Hat System Administration III is intended for experienced Linux administrators wishing to learn enterprise-level automation techniques through scripting, how to deploy and secure network services, and how to manage other key security features of Red Hat Enterprise Linux. Students in this course should have earned their RHCSA or have equivalent skills.

Prerequisites

- RHCSA certification or equivalent experience
- For candidates who have not earned their RHCSA certification, confirmation of the correct skills and knowledge can be obtained by passing the online skills assessment.

Course Objectives

Impact on the organization

This course is intended to develop the skills needed to improve infrastructure performance, increase system utilization and security, and responsiveness to system failures by introducing advanced administration tasks and techniques. The result should be improved infrastructure security, lower costs of infrastructure services, more robust IT infrastructure, faster deployment of open source technologies, and improved quality of infrastructure services and products.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact on the individual

As a result of attending this course, students should be able to perform the key tasks needed as a full time Linux system engineer or consultant. This course introduces enterprise Linux advanced administration topics, including service and daemon control, network configuration and troubleshooting, NFS and SAMBA file server configuration, Apache HTTP web server management, MariaDB SQL database configuration, Postfix SMTP configuration, DNS troubleshooting, and bash scripting.

Students should be able to demonstrate the following skills:

- Control services and daemons
- Manage networking
- Configure link aggregation, bridging, teaming, and bonding
- Configure filters with firewalls
- Permit and reject access to network services using SELinux
- Manage DNS servers
- Configure SMTP email delivery
- Provide iSCSI block storage
- Configure NFS and SAMBA file-based storage.
- Configure MariaDB SQL database
- Configure Apache HTTPD with TLS-enabled virtual hosts
- Write simple bash automation scripts

Course Content

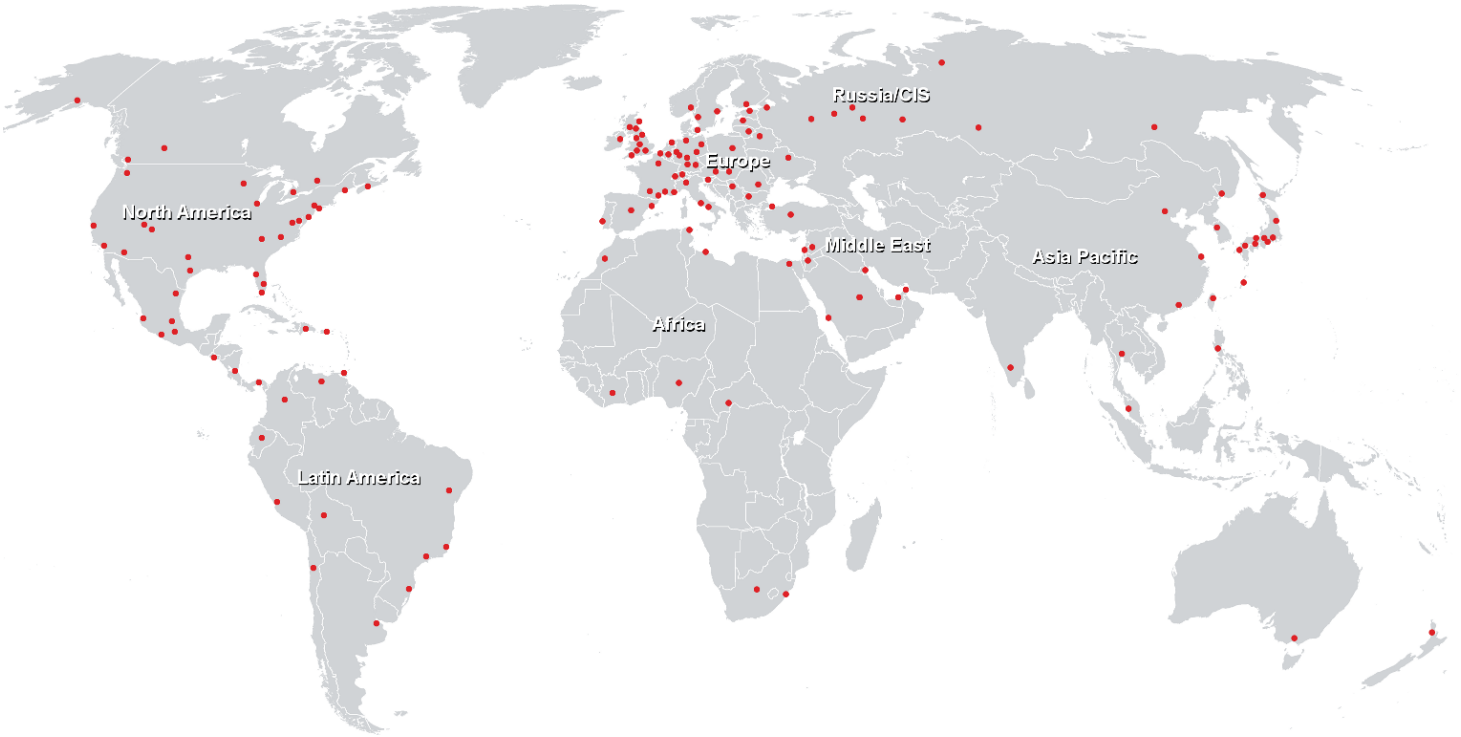
The course is focused on deploying and managing network servers running caching Domain Name Service (DNS), MariaDB, Apache HTTPD, Postfix SMTP nullclients, network file sharing with Network File System (NFS) and Server Message Block (SMB), iSCSI initiators and targets, advanced networking and firewalld configurations, and the use of Bash shell scripting to help automate, configure, and troubleshoot the system. Through lectures and hands-on labs, students who have already earned the RHCSA certification will be exposed to all competencies covered by the Red Hat Certified Engineer (RHCE) exam (EX300).

Note: This course does not cover all RHCSA tasks. Students who need a review of RHCSA skills are encouraged to attend RHCSA Rapid Track Course (RH199).

This version of the course includes the RHCSA and RHCE exams.

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Training Centres worldwide





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