Red Hat Services Management and Automation with Exam (RH359)

Duration: 5 Days **Course Code: RH359** **Delivery Method: Company Event**

Overview:

Learn how to configure and manage key services integrated with Red Hat Enterprise Linux, and scale up your work with Ansible automation.
Red Hat Services Management and Automation (RH358) is designed for IT professionals with some experience managing Linux systems, who want to learn more about how to manage and deploy network services that are included with Red Hat Enterprise Linux. You will learn how to manually install, configure, and manage basic configurations of these services, and then use Ansible to automate your work in a scalable, repeatable manner.
This package (course + exam) is based on Red Hat Ansible Automation Platform 2.4 and Red Hat Enterprise Linux 9.4 and includes an exam voucher.
Note : *Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.*
If you are targeting a virtual class, please consider RH358LS the new RHLS-course subscription which includes as well an exam voucher.
Updated Jan2026

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

Linux system administrators, platform engineers, developers, and other IT professionals with some Ansible experience who are interested in learning how to manage and automate the deployment, configuration, and operation of key network services included with Red Hat Enterprise Linux.

Objectives:

- After this course participants should be able to:
- Provide key network services using software included with Red Hat Enterprise Linux 9, including:
- DNS with Unbound and BIND9
- IPv4 and IPv6 network autoconfiguration withDHCP and DHCPv6 servers
- Client email transmission
- Printing service with IPP Everywhere and CUPS
- NFS and SMB protocol file sharing
- SQL database service with MariaDB
- Web services using Apache HTTPD and Nginx.
- Configure advanced networking for server use cases, including network bonding
- Use Ansible to automate the manual deployment and configuration tasks covered in this course

Prerequisites:

- RHCSA-level skills with Linux system administration
- Working knowledge of Ansible (RH294 or equivalent skills and experience)

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills Red Hat Skills Assessment

Testing and Certification

- EX358 Red Hat Certified Specialist in Services Management and Automation exam - exam voucher included

Follow-on-Courses:

- Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374-AU374)
- Red Hat Enterprise Linux Diagnostics and Troubleshooting (RH342)
- RH342 - Red Hat Linux Diagnostics and Troubleshooting

Content:

1. Managing Network Services

Discuss and review key tools and skills needed to manage network services.

2. Configuring Link Aggregation

Configure and troubleshoot advanced network interface functionality, including network bonds.

3. Managing DNS and DNS Servers

Explain the operation of the Domain Name System (DNS), troubleshoot DNS issues, and configure name servers that are caching-only or that are authoritative for a DNS zone.

4. Managing DHCP and IP Address Assignment

Explain and configure services that automatically assign IPv4 and IPv6 addresses, including DHCP, DHCPv6, and SLAAC.

5. Managing Printers and Printing Files

Configure systems to print to network printers that support the IPP Everywhere protocol, and manage existing print queues on Linux systems.

6. Configuring Email Transmission

Discuss how mail servers operate, and configure a server to use system tools and Postfix to send email messages through an outbound mail relay.

7.Configuring MariaDB SQL Databases

Discuss the basic operation of SQL-based relational databases, perform basic SQL queries for troubleshooting, and be able to set up a simple MariaDB database service.

8. Configuring Web Servers

Provide web content from Apache HTTP Server or Nginx web servers, and configure them with virtual hosts and TLS-based encryption.

9. Providing File-based Network Storage

Provide file-based network-attached storage to clients by using the NFS or SMB protocol.

10. Accessing Block-based Network Storage

Configure iSCSI initiators on your servers to access block-based storage devices provided by network storage arrays or Ceph storage clusters.

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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