

Red Hat Services Management and Automation

Duration: 5 Days **Course Code: RH358** **Delivery Method: Virtual Learning**

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 course is based on Red Hat Ansible Automation Platform 2.4 and Red Hat Enterprise Linux 9.4.

Note : Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

Onsite Classroom-based sessions and closed course options remain unchanged.

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Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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:

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

Prerequisites:

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

Testing and Certification

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

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills [Red Hat Skills Assessment](#)

Follow-on-Courses:

- Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374-AU374)
- Red Hat Enterprise Linux Diagnostics and Troubleshooting (RH342)
- DO447 - Advanced Automation: Red Hat Ansible Best Practices
- RH342 - Red Hat Enterprise Linux Diagnostics and Troubleshooting

Content:

1. Managing Network Services	Explain and configure services that automatically assign IPv4 and IPv6 addresses, including DHCP, DHCPv6, and SLAAC.	8. Configuring Web Servers
Discuss and review key tools and skills needed to manage network services.		Provide web content from Apache HTTP Server or Nginx web servers, and configure them with virtual hosts and TLS-based encryption.
2. Configuring Link Aggregation	5. Managing Printers and Printing Files	
Configure and troubleshoot advanced network interface functionality, including network bonds.	Configure systems to print to network printers that support the IPP Everywhere protocol, and manage existing print queues on Linux systems.	9. Providing File-based Network Storage
3. Managing DNS and DNS Servers	6. Configuring Email Transmission	Provide file-based network-attached storage to clients by using the NFS or SMB protocol.
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.	Discuss how mail servers operate, and configure a server to use system tools and Postfix to send email messages through an outbound mail relay.	10. Accessing Block-based Network Storage
4. Managing DHCP and IP Address Assignment	7. Configuring MariaDB SQL Databases	Configure iSCSI initiators on your servers to access block-based storage devices provided by network storage arrays or Ceph storage clusters.
	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.	

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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