RED HAT SERVICES MANAGEMENT AND AUTOMATION (RH358)

Course Code: 832040

RH358 - 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 : Red Hat Learning Subscription COURSE – Included with Your Purchase

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.

What You'll Learn

After completing this course, learners 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

Who Needs to Attend

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

Prerequisites

- RHCSA-level skills with Linux system administration (RH199 or RH134 equivalent skills)
- Working knowledge of Ansible (AU294 or equivalent skills and experience)

Confirmation of the correct skill set knowledge can be obtained by passing the online skills assessment at Red Hat Skills Assessment

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VIRTUAL CLASSROOM LIVE	$5,875 USD	1 Session

Virtual Classroom Live Outline

Managing Network Services

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

Configuring Link Aggregation

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

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.

Managing DHCP and IP Address Assignment

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

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.

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.

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.

Configuring Web Servers

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

Providing File-based Network Storage

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

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.

Virtual Classroom Live Labs

- Labs are provided by RedHat for this course

Oct 5 - 9, 2026 | 10:30 AM - 6:30 PM EDT

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ON-DEMAND	$5,875 USD

On-Demand Outline

Managing Network Services

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

Configuring Link Aggregation

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

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.

Managing DHCP and IP Address Assignment

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

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.

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.

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.

Configuring Web Servers

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

Providing File-based Network Storage

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

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.

On-Demand Labs

- Labs are provided by RedHat for this course

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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