



RED HAT TRAINING

Rh359 Red Hat Services Management Automation Training Exam

Master Red Hat services management and automation. Prepare for your Rh359 exam and streamline IT operations.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Red Hat Services Management Automation Training (RH359) is an intermediate-level course meticulously designed for IT professionals seeking to master the art of automating service management within Red Hat environments. This course shifts the paradigm from manual, error-prone configurations to efficient, scalable, and repeatable automation workflows. Participants will delve deep into leveraging the powerful capabilities of Red Hat Ansible Automation Platform to orchestrate, configure, and manage diverse IT services across an enterprise infrastructure, ensuring consistency and reliability.

Throughout this intensive 24-hour program, you will gain hands-on expertise in designing and implementing automation strategies for critical services, including identity management with IdM, content and patch management with Red Hat Satellite, and various other system-level services. You will learn to write sophisticated Ansible playbooks, roles, and collections, integrating them seamlessly with existing Red Hat infrastructure components. The focus is on practical application, enabling you to reduce operational overhead, accelerate service delivery, and minimize human error.

Completing the RH359 training and certification not only validates your advanced automation skills but also significantly enhances your professional profile. You will be equipped to tackle complex automation challenges, leading to improved IT operational efficiency, faster time-to-market for applications, and a more robust and secure IT landscape. This certification is a strategic step for anyone aiming to solidify their expertise in enterprise automation and advance their career in modern IT operations.

Duration	24 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Foundations of Red Hat Service Automation

- Understanding Red Hat services and the need for automation
- Introduction to Red Hat Ansible Automation Platform for service management
- Principles of idempotence and desired state configuration
- Developing a strategic approach to enterprise service automation
- Overview of Red Hat Identity Management (IdM) and Red Hat Satellite in automation contexts

02 Module 2: Core Ansible for Service Lifecycle Management

- Advanced Ansible inventory management for complex services
- Crafting effective Ansible playbooks and roles for service configuration
- Utilizing core Ansible modules for systemd services, firewalld, and network configurations
- Implementing Ansible Vault for secure handling of sensitive service data
- Managing service dependencies and task orchestration

03 Module 3: Advanced Automation Techniques and Templating

- Leveraging Jinja2 templating for dynamic service configurations and deployment
- Utilizing Ansible facts and variables for adaptive service automation
- Orchestrating multi-tier application deployments and complex service stacks
- Implementing conditional logic and looping in Ansible for diverse service scenarios
- Working with Ansible Collections for specialized service automation tasks

04 Module 4: Integrating Automation with Red Hat Infrastructure

- Automating user, group, and policy management with IdM via Ansible
- Managing host registrations, content views, and errata with Red Hat Satellite through Ansible
- Automating security policies and SELinux contexts for services
- Integrating Ansible with Red Hat Insights for proactive service management and compliance
- Orchestrating network services (DNS, DHCP) using Ansible

05 Module 5: Troubleshooting, Best Practices, and Exam Preparation

- Debugging Ansible playbooks for service automation failures and unexpected outcomes
- Implementing robust error handling and rollback strategies for service deployments
- Performance tuning and optimizing automated service workflows
- Establishing automation governance and CI/CD pipelines for service deployments
- Comprehensive review of RH359 exam objectives and key concepts
- Practice scenarios and strategies for the performance-based certification exam

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Red Hat Automation Architect**
- > **Senior Linux Systems Automation Engineer**
- > **DevOps Automation Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What specific Red Hat certifications or experience are recommended as prerequisites for the RH359 course and exam?

While there are no strict prerequisites, it is highly recommended that participants possess a Red Hat Certified Engineer (RHCE) certification or have equivalent hands-on experience in managing Red Hat Enterprise Linux systems. A strong understanding of core system administration, networking, and a working knowledge of Ansible Automation Platform are crucial for success, as this course focuses on advanced service automation rather than foundational concepts.

Q: How does achieving the RH359 certification contribute to my journey towards becoming a Red Hat Certified Architect (RHCA)?

The RH359 certification, upon successful completion, awards a Red Hat Certificate of Expertise in Services Management Automation. This Certificate of Expertise is one of the many required to earn the prestigious Red Hat Certified Architect (RHCA) designation. By mastering service management automation, you demonstrate advanced proficiency in a critical area of enterprise IT, showcasing your ability to design and implement complex, automated solutions that are essential for an architect-level role within Red Hat environments.

Q: Beyond basic configuration, what real-world, complex service management challenges will I be able to solve using the automation skills gained from RH359?

RH359 equips you with the advanced skills to solve intricate service management challenges such as automating the end-to-end lifecycle of multi-tier applications, dynamically provisioning and de-provisioning enterprise services with integrated security controls, orchestrating sophisticated updates across distributed Red Hat environments, and enforcing

consistent configurations for large fleets of servers. You'll gain the ability to automate complex tasks like deploying web server farms with custom configurations, managing database clusters, and ensuring regulatory compliance across your entire service infrastructure.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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