



RED HAT TRAINING

Advanced Automation Red Hat Ansible Do375

Master Red Hat Ansible's advanced automation features. Efficiently manage and scale your IT infrastructure with expert-level skills.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

Unlock the full potential of enterprise automation with Computer Pride's Advanced Automation Red Hat Ansible Do375 course. This immersive program is designed for experienced Linux administrators, DevOps engineers, and automation specialists ready to elevate their skills beyond basic Ansible usage. You will delve into sophisticated automation techniques, mastering the Red Hat Ansible Automation Platform to orchestrate complex IT environments, manage large-scale deployments, and implement advanced security practices.

This course focuses on practical, hands-on application, covering advanced topics such as creating custom Ansible content, leveraging execution environments, implementing robust automation workflows, and integrating with external systems. By the end of this training, you will be proficient in designing, implementing, and managing highly scalable and resilient automation solutions, significantly boosting operational efficiency and reducing manual intervention. Gain a competitive edge by transforming your organization's infrastructure management and delivery pipelines with Red Hat's leading automation technology.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Getting Started with Red Hat Ansible Automation Platform

- Review of core Ansible concepts and architecture
- Introduction to Red Hat Ansible Automation Platform components
- Understanding automation controller (formerly Ansible Tower)
- Managing credentials and access control within the platform

02 Module 2: Advanced Playbook Design and Execution Environments

- Developing sophisticated playbooks and roles
- Working with Jinja2 templates for dynamic configurations
- Implementing conditional logic and error handling strategies
- Creating and utilizing custom execution environments

03 Module 3: Managing Inventory and Vault

- Configuring and leveraging dynamic inventory sources
- Integrating Ansible with cloud providers and CMDBs for inventory
- Securing sensitive data with Ansible Vault
- Vault integration within automation controller projects

04 Module 4: Advanced Automation Workflows and Integrations

- Designing and implementing complex workflow templates
- Using job templates and project synchronization
- Scheduling automation jobs and notifications
- Integrating Ansible with CI/CD pipelines and external APIs

05 Module 5: Custom Content and Troubleshooting

- Developing custom Ansible modules and plugins
- Creating and distributing Ansible Collections

- Troubleshooting common Ansible automation platform issues
- Best practices for performance tuning and scalability

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Automation Engineer**
- > **DevOps Architect specializing in Infrastructure as Code (IaC)**
- > **Red Hat Certified Engineer (RHCE) - Automation with Ansible Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What level of existing Ansible experience is recommended as a prerequisite for this Advanced Automation Red Hat Ansible Do375 course?

This course is designed for individuals who already possess a foundational understanding of Ansible and have hands-on experience with basic playbook creation, inventory management, and task execution. Prior completion of a Red Hat System Administration III (RH294) course or equivalent practical experience with core Ansible functionalities is highly recommended to fully benefit from the advanced topics covered.

Q: How does this course specifically help in automating complex, multi-tier application deployments across hybrid cloud environments?

The Advanced Automation Red Hat Ansible Do375 course equips you with the skills to leverage Ansible Automation Platform for orchestrating intricate deployments. You will learn to use dynamic inventory for hybrid environments, create advanced workflow templates to manage dependent components, secure credentials with Ansible Vault, and integrate with CI/CD pipelines, enabling seamless and repeatable automation of complex, multi-tier application rollouts regardless of infrastructure location.

Q: Will this course cover the development of custom Ansible content, such as creating new modules or plugins to extend Ansible's capabilities?

Yes, a dedicated section within this course focuses on the development of custom Ansible content. You will learn the principles behind creating your own Ansible modules and plugins to address specific automation needs not met by existing modules. Furthermore, the course will cover how to package and distribute this custom content effectively using Ansible Collections, ensuring reusability and maintainability.

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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