



*Training Course:  
Red Hat Certified Advanced System  
Administrator in Ansible*

*23 - 27 November 2026  
London (UK)*

## Training Course: Red Hat Certified Advanced System Administrator in Ansible

Training Course code: IT236609 From: 23 - 27 November 2026 Venue: London (UK) - Training Course Fees: 6300 € Euro

### Introduction

The Red Hat Certified Advanced System Administrator in Ansible training program is designed by Global Horizon Training Center as a comprehensive preparatory program for IT professionals seeking to develop advanced enterprise automation skills using Ansible in Red Hat Enterprise Linux environments. The program is structured around the practical knowledge and competencies commonly expected of advanced Linux administrators responsible for automating system administration tasks across enterprise infrastructures.

Through intensive hands-on laboratories, real-world automation scenarios, and instructor-led practical exercises, participants will learn how to design, develop, secure, and troubleshoot Ansible automation solutions while gaining the confidence required to perform advanced automation tasks in production environments.

### Course Objectives

By the end of this program, participants will be able to:

- Understand enterprise automation concepts using Ansible.
- Configure and manage Ansible control nodes and managed hosts.
- Create, execute, and troubleshoot Ansible playbooks.
- Build reusable automation using Roles and Collections.
- Implement variables, templates, facts, handlers, loops, and conditionals.
- Automate enterprise Linux administration tasks.
- Secure automation using Ansible Vault.
- Manage inventories and configuration efficiently.

- Apply automation best practices for enterprise environments.
- Prepare for advanced practical automation assessments.

## Course Methodology

The program combines:

- Interactive instructor-led sessions
- Extensive hands-on laboratories
- Live demonstrations
- Practical enterprise automation workshops
- Real-world case studies
- Individual and group exercises
- Daily practical assignments
- Final practical assessment and review

## Organizational Impact

Upon completion of this program, organizations will benefit from:

- Increased automation of routine administrative tasks.
- Improved consistency across Linux server environments.

- Reduced manual configuration errors.
- Faster deployment and configuration management.
- Enhanced operational efficiency and productivity.
- Improved infrastructure scalability.
- Better compliance with enterprise operational standards.
- Stronger automation capabilities across IT operations teams.

## Target Audience

This program is designed for:

- Linux System Administrators
- Senior Linux Administrators
- Infrastructure Engineers
- DevOps Engineers
- Platform Engineers
- Cloud Engineers
- Automation Engineers
- IT Operations Professionals
- System Engineers responsible for Linux automation

## Outline

### Day 1 - Ansible Architecture & Environment Setup

- Enterprise Automation Fundamentals
- Introduction to Ansible Architecture
- Installing and Configuring Ansible
- Configuring Control Nodes and Managed Hosts
- SSH Authentication and Key Management
- Working with Static and Dynamic Inventories
- Inventory Groups and Host Variables
- Configuring ansible.cfg
- Running Ad-hoc Commands
- Introduction to YAML Syntax
- Hands-on Laboratory

### Day 2 - Developing Advanced Playbooks

- Building Professional Playbooks
- Managing Variables and Facts

- Registered Variables
- Conditional Task Execution
- Loops and Iteration
- Blocks, Rescue, and Always
- Handlers and Notifications
- Task Tags
- Using Templates with Jinja2
- Managing Files and Directories
- Practical Automation Exercises

### Day 3 - Roles, Collections & Enterprise Automation

- Designing Reusable Automation
- Creating and Managing Ansible Roles
- Role Directory Structure
- Role Dependencies
- Using Ansible Galaxy
- Installing Community Roles
- Working with Collections

- Modular Playbook Design
- Organizing Large Automation Projects
- Enterprise Automation Best Practices
- Hands-on Enterprise Labs

#### Day 4 - Automating Linux Administration

- User and Group Management Automation
- Package Installation and Repository Management
- Service Management
- File Permissions and Ownership
- Storage and Filesystem Automation
- Firewall Configuration Automation
- SELinux Configuration
- Scheduled Tasks Automation
- System Configuration Management
- Network Configuration Automation
- Configuration Validation and Testing
- Practical Administration Labs

## Day 5 - Security, Troubleshooting & Certification Preparation

- Securing Automation with Ansible Vault
- Encrypting Sensitive Data
- Secret Management Best Practices
- Debugging and Troubleshooting Playbooks
- Performance Optimization Techniques
- Error Handling Strategies
- Enterprise Automation Scenarios
- End-to-End Infrastructure Automation Workshop
- Practical Certification-Style Exercises
- Final Hands-on Assessment
- Course Review and Q&A



## Registration form on the Training Course: Red Hat Certified Advanced System Administrator in Ansible

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Company Information

Company Name: .....  
Address: .....  
City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
Position: .....  
Telephone / Mobile: .....  
Personal E-Mail: .....  
Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
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