



*Training Course:  
Certified Specialist in Advanced Automation*

*3 - 7 January 2027  
Istanbul (Turkey)  
DoubleTree by Hilton Istanbul Esentepe*

## Training Course: Certified Specialist in Advanced Automation

Training Course code: IT234833 From: 3 - 7 January 2027 Venue: Istanbul (Turkey) - DoubleTree by Hilton Istanbul Esentepe Training Course Fees: 6300 ₺ Euro

### Introduction

The Red Hat Certified Engineer Specialist in Advanced Automation: Ansible Best Practices is a performance-based test of your knowledge and skill in managing multiple systems using Red Hat Ansible Engine and Red Hat Ansible Tower.

By passing this exam, you become a Red Hat Certified Specialist in Advanced Automation: Ansible Best Practices, which also counts toward becoming a Red Hat Certified Architect RHCA.

The Red Hat Certified Engineer Specialist in Advanced Automation: Ansible Best Practices exam is a performance-based test of your knowledge and skill in managing multiple systems using Red Hat® Ansible® Engine and Red Hat Ansible Tower.

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### Objectives

After completing this course, participants will be able to:

- Use Git effectively for managing Ansible automation code and repositories
- Manage inventory variables and structure host/group variable files efficiently
- Control and optimize task execution in Ansible playbooks
- Apply filters, plugins, and lookups to transform and manipulate data
- Implement advanced delegation techniques for distributed task execution
- Install, configure, and manage Red Hat Ansible Tower
- Manage users, teams, inventories, and credentials in Ansible Tower
- Create and manage projects, job templates, and workflows
- Use Ansible Tower API for automation and job execution
- Perform backup and maintenance of Ansible Tower environments
- Apply best practices for scalable automation using Ansible Engine

### Target Audience

This course is designed for users who need to set recommended design patterns and operate automation practices at scale,

including these roles:

- DevOps engineers
- Linux system administrators, developers
- Release engineers
- Other IT professionals with basic expertise using Ansible or Red Hat Ansible Engine to automate, provision,

configure and deploy applications and services in a Linux environment

## Outlines

### Day 1: Git & Inventory Management

- Understand and use Git
- Clone a Git repository
- Modify, update, and manage files in Git
- Commit and push changes to repository
- Manage inventory variables
- Structure host and group variables
- Override inventory settings using special variables
- Manage multiple host variable files

### Day 2: Task Execution & Data Management

- Manage task execution
- Control privilege escalation
- Run selected tasks
- Transform data using filters and plugins
- Use lookup plugins to fetch external data
- Template data into playbooks
- Implement loops with advanced structures
- Inspect and manipulate network-related variables

### Day 3: Delegation & Ansible Tower Installation

- Delegate tasks to different managed hosts
- Control fact gathering in delegated tasks
- Install Ansible Tower
- Perform initial configuration of Ansible Tower
- Basic system setup and validation

### Day 4: Access, Inventories & Projects Management

- Manage Ansible Tower users and teams
- Configure role-based access control
- Manage inventories and credentials
- Create dynamic inventories LDAP/DB sources
- Create machine and source control credentials
- Manage projects and source repositories
- Create job templates

### Day 5: Workflows, API & Backup

- Create job workflow templates
- Manage and automate job workflows
- Work with Ansible Tower API
- Write API scripts to launch jobs
- Backup and restore Ansible Tower

Best practices for enterprise automation

## Registration form on the Training Course: Certified Specialist in Advanced Automation

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

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- ☐ Please find enclosed a cheque made payable to Global Horizon
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