



# التحضير لاختبار EX294 RHCE : أتمتة Red Hat Ansible باستخدام



**AGILE LEADERS**  
Training Center

01 - 05 Nov 2026  
الكويت

## التحضير للاختبار EX294 RHCE :أتمتة Hat Red باستخدام Ansible

المرجع: 95\_79281 التاريخ: 01 - 05 Nov 2026 الموقع: الكويت الرسوم: Euro 5500

### Course Overview:

"Red Hat RHCE Exam Prep Training Course: Learn, Practice & Pass EX294" is a comprehensive 5-day training program designed to help IT professionals prepare for the RHCE certification exam EX294. This hands-on course focuses on Ansible automation, RHEL 9 system administration, and enterprise Linux security hardening.

Participants will gain practical skills in using Ansible Playbooks, managing systems efficiently, securing Linux environments with SELinux and firewalld, and deploying compliance and vulnerability remediations using enterprise grade tools. The course also introduces virtual lab environments, guiding learners in setting up RHCE online labs with VirtualBox. The course combines theory and practice to ensure participants are fully equipped to pass the RHCE EX294 exam with confidence.

### Target Audience:

- Linux System Administrators
- DevOps Engineers
- IT Infrastructure Specialists
- Automation Engineers
- Red Hat Certified System Administrators RHCSA preparing for next level

### Targeted Organizational Departments:

- IT Infrastructure and Operations
- DevOps and Automation
- Cybersecurity Teams
- Cloud Services and Linux Engineering Teams

### Targeted Industries:

- Information Technology
- Telecommunications
- Cloud Hosting and Managed Services
- Financial Services and Banking
- Government and Defense
- Healthcare and Critical Infrastructure

## Course Offerings:

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

- Use Ansible to automate RHEL 9 systems and services
- Write and manage Ansible Playbooks and Roles for system administration
- Harden Linux systems using SELinux, firewalld, and FIPS policies
- Perform compliance scans and automate remediations with Ansible
- Configure secure SSH, automate system encryption with LUKS, and NBDE
- Prepare and simulate RHCE EX294 exam tasks in a VirtualBox lab environment

## Training Methodology:

This course uses a blended learning methodology to maximize engagement and retention. Participants will engage in interactive instructor-led sessions, live demonstrations, and practical labs using Ansible and RHEL 9. Real-world case studies and hands-on assignments will enhance the application of key concepts. Daily knowledge checks and -group problem-solving sessions will be incorporated to reinforce learning. Participants will receive RHCE exam style scenario questions for practice and reflection.

## Course Toolbox:

- RHCE Exam-style Scenario Sheets
- Ansible Playbook Templates and Sample Code
- Lab Setup Guide for RHCE with VirtualBox
- Task Checklists & Exam Readiness Rubric
- SELinux and Firewalld Configuration Examples

Note: Tools are not provided, but the course offers insights, examples, and references for practical use.

## Course Agenda:

### Day 1: Getting Started with RHCE and Ansible Fundamentals

- Overview of RHCE EX294 Exam Structure and Competency Areas **Topic 1:**
- Installing and Configuring Ansible on RHEL 9 **Topic 2:**
- Inventory Management and Ad-hoc Commands in Ansible **Topic 3:**
- Writing and Running Basic Ansible Playbooks **Topic 4:**
- Using Variables, Handlers, and Templates in Playbooks **Topic 5:**
- Troubleshooting Initial Configuration Tasks **Topic 6:**
- RHCE Exam Focus Review + Ansible Basics Recap **Reflection & Review:**

## Day 2: Advanced Ansible and Role-Based Automation

- Creating Reusable Roles and Managing Role Dependencies Topic 1: •
- Structuring Ansible Projects with Best Practices Topic 2: •
- Using Ansible Galaxy and Collections for Automation Topic 3: •
- Debugging and Testing Ansible Playbooks Topic 4: •
- Ansible Vault and Credential Management Topic 5: •
- Validating and Refactoring Automation Workflows Topic 6: •
- RHCE Ansible Role Automation + Practice Labs Reflection & Review: •

## Day 3: RHEL 9 System Administration for RHCE

- Managing Users, Groups, and Permissions via Ansible Topic 1: •
- Configuring Networking and System Services Topic 2: •
- Managing Storage, LVM, and Mounts with Playbooks Topic 3: •
- Software Management and Service Control via Automation Topic 4: •
- Task Automation and Cron Jobs Using Ansible Topic 5: •
- Applying System Settings Across Multiple Hosts Topic 6: •
- Practical Tasks from RHCE System Administration Reflection & Review: •

## Day 4: Security Hardening with SELinux, FirewallD, and FIPS

- Implementing SELinux Modes, Booleans, and Contexts Topic 1: •
- Managing and Automating firewallD Rules and Zones Topic 2: •
- Enabling and Managing FIPS Mode and Crypto Policies Topic 3: •
- Encrypting Block Devices with LUKS and NBDE Topic 4: •
- Compliance Scanning and Auto-Remediation with OpenSCAP & Ansible Topic 5: •
- Secure Configuration of SSH and Audit Rules Topic 6: •
- Security Hardening Simulation Labs for RHCE Reflection & Review: •

## Day 5: RHCE Practice Lab and Exam Simulation

- Setting Up RHCE Virtual Lab Environments with VirtualBox Topic 1: •
- Full RHCE Practice Exam Timed Simulation Topic 2: •
- Common Pitfalls and Debugging Exam Tasks Topic 3: •
- Reviewing the RHCE Evaluation Criteria and Sample Solutions Topic 4: •
- Personalized Study and Improvement Plan Creation Topic 5: •
- Final Checklist for Certification Readiness Topic 6: •
- Final Review + Exam Day Strategies + Q&A Reflection & Review: •

## FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

RHCSA certification is recommended. Participants should be familiar with basic Linux system administration and the command line.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4-5 hours, with breaks and interactive activities included.  
The total course duration spans five days, approximately 20-25 hours of instruction.

What is the best way to prepare for system hardening topics like SELinux and firewalld for the RHCE exam?

Use real-world scenarios to practice configuring SELinux booleans, managing contexts, and building Ansible tasks to automate firewall and compliance configurations.

### How This Course is Different from Other RHCE Exam Prep Courses:

Unlike typical RHCE prep courses that only focus on exam content, "Red Hat RHCE Exam Prep Training Course: Learn, Practice & Pass EX294" incorporates real-world use cases, lab setup guides, and security hardening practices using tested Linux tools and workflows. With dedicated lab simulation days, step-by-step task breakdowns, and a focus on automation with Ansible, this course empowers participants not only to pass the EX294 exam but to become effective Red Hat Certified Engineers in production environments.

## فئات الدورات التدريبية

|                                                    |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| الدورات التدريبية في مجال البيئة والاستدامة        | دورات إدارة الجودة وتطوير العمليات                  |
| دورات إدارة و تحليل البيانات ودورات علم البيانات   | دورات إدارة و تطوير الموارد البشرية                 |
| دورات الذهن السيرياني ودورات تقنية المعلومات       | دورات الاتصال الجماهيري و السياسات والعلاقات العامة |
| دورات التدريب القانوني والهشتريات والتعاقدات       | دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات |
| دورات الحوكمة وإدارة المخاطر والامتثال             | دورات السكرتارية و إدارة المكاتب                    |
| دورات الصحة والسلامة والذهن المهني                 | دورات الصيانة ودورات المجالات الهندسية المتنوعة     |
| دورات المحاسبة و التهويل و دورات الإدارة المالية   | دورات المهارات الشخصية وتطوير الذات                 |
| دورات في مجالات القيادة والإدارة                   | دورات معتمدة من قبل هيئات دولية                     |
| دورات مكتب إدارة المشاريع وإدارة المشاريع الرشيقية |                                                     |



## معدن التدريب

|                                      |                                         |                                    |
|--------------------------------------|-----------------------------------------|------------------------------------|
| أكر<br>غانا                          | أثينا<br>اليونان                        | أبوظبي<br>الإمارات العربية المتحدة |
| الجبيل<br>المملكة العربية السعودية   | استنبول<br>تركيا                        | أهستردام<br>هولندا                 |
| الرياض<br>المملكة العربية السعودية   | الدوحة<br>قطر                           | الدار البيضاء<br>المغرب            |
| المنامة<br>مملكة البحرين             | الكويت<br>الكويت                        | القاهرة<br>مصر                     |
| بانكوك<br>تايلند                     | باكو<br>أذربيجان                        | باريس<br>فرنسا                     |
| برلين<br>ألمانيا                     | برشلونة<br>إسبانيا                      | براغ<br>جمهورية التشيك             |
| تيليسي<br>جورجيا                     | بوكيت<br>تايلاند                        | بورتو<br>البرتغال                  |
| جنيف<br>سويسرا                       | جاكارتا<br>جمهورية إندونيسيا            | تورنتو<br>كندا                     |
| روما<br>إيطاليا                      | حلي<br>الإمارات العربية المتحدة         | جوهانسبرغ<br>جنوب أفريقيا          |
| سنغافورة<br>سنغافورة                 | سان دييغو<br>الولايات المتحدة الأمريكية | زنجان<br>تنزانيا                   |
| شيكاغو<br>الولايات المتحدة الأمريكية | شرم الشيخ<br>مصر                        | سيول<br>كوريا الجنوبية             |
| طوكيو<br>اليابان                     | طشقند<br>أوزبكستان                      | طرابزون<br>تركيا                   |
| فرانكفورت<br>ألمانيا                 | عن بعد<br>منصة زووم                     | عمان<br>المملكة الأردنية الهاشمية  |

## مدن التدريب

|                          |                                       |                    |
|--------------------------|---------------------------------------|--------------------|
| كيب تاون<br>جنوب افريقيا | كوالالمبور<br>ماليزيا                 | فيينا<br>النمسا    |
| لندن<br>المملكة المتحدة  | لشبونة<br>البرتغال                    | لانكاوي<br>ماليزيا |
| مسقط<br>سلطنة عمان       | هدريد<br>اسبانيا                      | ماربيا<br>اسبانيا  |
| ميونخ<br>ألمانيا         | ميلان<br>إيطاليا                      | مونترو<br>سويسرا   |
|                          | نيويورك<br>الولايات المتحدة الأمريكية | نيروبي<br>كينيا    |