

# RED HAT ENTERPRISE LINUX AUTOMATION WITH ANSIBLE (RH294)

Course Code: 100443

Learn how to automate Linux system administration tasks with Red Hat Ansible Automation Platform.

Red Hat Enterprise Linux Automation with Ansible (RH294) is designed for Linux system administrators and developers who need to automate provisioning, configuration, application deployment, and orchestration.

This course is based on Red Hat Enterprise Linux 9 and Red Hat Ansible Automation Platform 2.2

## **Course content summary**

- Installing Red Hat Ansible Automation Platform on control nodes.
- Creating and updating inventories of managed hosts and managing connections to them.
- Automating administration tasks with Ansible Playbooks and ad hoc commands.
- Writing effective playbooks at scale.
- Protecting sensitive data used by Ansible Automation Platform with Ansible Vault.
- Reusing code and simplifying playbook development with Ansible Roles and Ansible Content Collections.

## **What You'll Learn**

### **Impact on the organization**

- Bring operational efficiency by removing manual processes through automation.
- Easily scale the organization's dynamic IT infrastructure.
- Accelerate application time to value.
- Rapidly adapt and implement needed innovation through DevOps practices.

### **Impact on the individual**

You will be able to apply automation first principles to solve real-world Linux system and services problems through the effective creation of Ansible playbooks and application of Red Hat Ansible Automation Platform. You will gain the skills to

automate your workflows, build the foundation for DevOps practices, and learn how to leverage Ansible Automation Platform for developmental efficiencies.

## Who Needs to Attend

### Audience for this course

This course is geared toward Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers who are responsible for these tasks:

- Automating configuration management
- Ensuring consistent and repeatable application deployment
- Provisioning and deployment of development, testing, and production servers
- Integrating with DevOps continuous integration/continuous delivery workflows

### Prerequisites

- Pass the Red Hat Certified System Administrator (RHCSA) exam (EX200), or demonstrate equivalent Red Hat Enterprise Linux knowledge and experience
- Take our free assessment to gauge whether this offering is the best fit for your skills.

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CLASSROOM LIVE

\$5,564 CAD

4 Day

## Classroom Live Outline

### **Introduce Ansible**

- Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

### **Implement an Ansible playbook**

- Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

### **Manage variables and facts**

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

### **Implement task control**

- Manage task control, handlers, and task errors in Ansible Playbooks.

### **Deploy files to managed hosts**

- Deploy, manage, and adjust files on hosts managed by Ansible.

### **Manage complex plays and playbooks**

- Write playbooks that are optimized for larger, more complex plays and playbooks.

### **Simplify playbooks with roles**

- Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

### **Troubleshoot Ansible**

- Troubleshoot playbooks and managed hosts.

### **Automate Linux administration tasks**

- Automate common Linux system administration tasks with Ansible

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VIRTUAL CLASSROOM LIVE

\$6,345 CAD

5 Day

## Virtual Classroom Live Outline

### **Introduce Ansible**

- Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

### **Implement an Ansible playbook**

- Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

### **Manage variables and facts**

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

### **Implement task control**

- Manage task control, handlers, and task errors in Ansible Playbooks.

### **Deploy files to managed hosts**

- Deploy, manage, and adjust files on hosts managed by Ansible.

### **Manage complex plays and playbooks**

- Write playbooks that are optimized for larger, more complex plays and playbooks.

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### **Troubleshoot Ansible**

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### **Automate Linux administration tasks**

- Automate common Linux system administration tasks with Ansible

May 19 - 23, 2025 | 11:00 AM - 5:00 PM EST

Jun 2 - 6, 2025 | 11:00 AM - 5:00 PM EST

Jun 9 - 13, 2025 | 11:00 AM - 5:00 PM EST

Jun 16 - 20, 2025 | 11:00 AM - 5:00 PM EST

Jun 23 - 27, 2025 | 11:00 AM - 5:00 PM EST

Jul 7 - 11, 2025 | 11:00 AM - 5:00 PM EDT

Jul 14 - 18, 2025 | 11:00 AM - 5:00 PM EDT

Jul 21 - 25, 2025 | 11:00 AM - 5:00 PM EDT

Jul 28 - Aug 1, 2025 | 11:00 AM - 5:00 PM EDT

Aug 18 - 22, 2025 | 11:00 AM - 5:00 PM EDT

Aug 25 - 29, 2025 | 11:00 AM - 5:00 PM EDT

Sep 8 - 12, 2025 | 11:00 AM - 5:00 PM EDT

Sep 15 - 19, 2025 | 11:00 AM - 5:00 PM EDT

Sep 22 - 26, 2025 | 11:00 AM - 5:00 PM EDT

Sep 29 - Oct 3, 2025 | 11:00 AM - 5:00 PM EDT

Oct 6 - 10, 2025 | 11:00 AM - 5:00 PM EDT

Oct 27 - 31, 2025 | 11:00 AM - 5:00 PM EDT

Nov 3 - 7, 2025 | 11:00 AM - 5:00 PM EST

Nov 17 - 21, 2025 | 11:00 AM - 5:00 PM EST

Dec 1 - 5, 2025 | 11:00 AM - 5:00 PM EST

Dec 8 - 12, 2025 | 11:00 AM - 5:00 PM EST

Dec 15 - 19, 2025 | 11:00 AM - 5:00 PM EST

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ON-DEMAND

\$5,393 CAD

## On-Demand Outline

### **Introduce Ansible**

- Describe the fundamental concepts of Red Hat Ansible Automation Platform and how it is used, and install Red Hat Ansible Automation Platform.

### **Implement an Ansible playbook**

- Create an inventory of managed hosts, write a simple Ansible playbook, and run the playbook to automate tasks on those hosts.

### **Manage variables and facts**

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

### **Implement task control**

- Manage task control, handlers, and task errors in Ansible Playbooks.

### **Deploy files to managed hosts**

- Deploy, manage, and adjust files on hosts managed by Ansible.

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PRIVATE GROUP TRAINING

4 Day

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