

# PRACTICAL ANSIBLE SKILLS

Course Code: 821591

A 3-day, lab-intensive course designed to help you to use Ansible to automate IT.

Practical Ansible Skills is a three-day, lab-intensive course for those responsible for automating configuration management, deploying applications, provisioning, testing, and production servers, and integrating with DevOps CI/CD workflows.

Throughout the course, participants will study core Ansible features such as automated provisioning, configuration management, service deployment, and operational processes. In addition, this course also covers business-related topics like integrating with Docker, Ansible Tower, and handling sensitive data.

## What You'll Learn

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our expert practitioner attendees will explore how to:

- Describe Ansible concepts and install Red Hat Ansible Engine
- Deploy Ansible and Configure Ansible to manage hosts and run ad hoc Ansible commands.
- Implement playbooks
- Write a simple Ansible playbook and run it to automate tasks on multiple managed 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 large projects
- Write playbooks that are optimized for larger, more complex projects.
- 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.

## Who Needs to Attend

This is an introductory level course for Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers.

## Prerequisites

This is an Introductory level course for experienced Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers. Ideally students should have familiarity with basic Python scripting. Attendees without programming skills can follow along with the scripting portion of the labs.



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CLASSROOM LIVE

\$1,595 USD

3 Day

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VIRTUAL CLASSROOM LIVE

\$1,995 USD

3 Day

## Virtual Classroom Live Outline

- **Ansible Overview**
  - ☒ Ansible Architecture
  - ☒ Ansible theory of operation/history
  - ☒ Inventories
  - ☒ Deploying and Installation Ansible (installation, major configuration files, commands,inventories)
- **Ansible Elements**
  - ☒ Playbooks (YAML, modules)
  - ☒ Variables and inclusions (facts, etc)
  - ☒ Labs and use cases
- **Provisioning with Ansible**
  - ☒ Task Control (Construction Flow Control, Handlers, Tags, Errors)
  - ☒ Jinja2 Templates
- **Managing Ansible**
  - ☒ Roles (structure, creating roles)
  - ☒ Ansible galaxy
  - ☒ Managing Multiple servers
  - ☒ Ansible Automation
  - ☒ Ansible Management Best practices
  - ☒ Ansible and DevOps (Ansible for AWS, Azure)
  - ☒ Ansible Modules
- **Additional Ansible Topics**
  - ☒ Optimizing Ansible (configuring connection types, delegations, and parallelisms)
  - ☒ Working with the Ansible Vault (configuration and execution)
  - ☒ Troubleshooting issues (playbooks, etc)
  - ☒ Ansible Tower (overview, installing, account management, hosts, jobs)
  - ☒ Ansible vs. other platforms (terraform, etc.)

Virtual Classroom Live Labs

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with 50% machine-based practical labs and exercises.

Mar 2 - 4, 2026 | 8:30 AM - 4:30 PM EST

May 27 - 29, 2026 | 8:30 AM - 4:30 PM EDT

Jul 20 - 22, 2026 | 8:30 AM - 4:30 PM EDT

Sep 21 - 23, 2026 | 8:30 AM - 4:30 PM EDT

Nov 2 - 4, 2026 | 8:30 AM - 4:30 PM EST



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PRIVATE GROUP TRAINING

3 Day

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