

Hands-on Ansible Essentials | Introduction to Automation with Ansible (TTDV7580)

Price: 2295

Duration: 3 days

Delivery Methods: Virtual

Overview

Hands-on Ansible / Introduction to Automation with Ansible is a three-day, lab-intensive course geared for toward those responsible for automation of configuration management; consistent and repeatable application deployment; provisioning and deployment of development, testing, and production servers; and (optionally) integration with DevOps CI/CD workflows. Throughout the course participants will explore core Ansible features such as automatic provisioning, configuration management, service deployment and operational processes. This course also covers enterprise topics such as managing sensitive data (Ansible Vault), Ansible Tower, and integrating with Docker (optional). Attendees might include Linux system administrators, DevOps engineers, infrastructure automation engineers, and systems design engineers.

Audience Profile

The audience would include system administrators, DevOps engineers, and IT professionals looking to automate server configuration, deployment, and management tasks.

At Course Completion

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 (optional – we can pre-install is as well if desired, depending on the audience)

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.

Outline

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We will work with you to tune this course and level of coverage to target the skills you need most.

Ansible Overview

Overview of Architecture

Overview of Deployments

Inventory

Deploying Ansible

Installing

Configuration Files

Running Ad Hoc Commands

Dynamic Inventory

Playbooks

Writing YAML Files

Modules

Variables and Inclusions

Variables

Facts

Inclusions

Task Control

Constructing Flow Control

Handlers

Tags

Handling Errors

Jinja2 Templates

Roles

Role Structure

Creating Roles

Deploying Roles with Ansible Galaxy

Optimizing Ansible

Configuring Connection Types

Configuring Delegation

Configuring Parallelism

Ansible Vault

Configuring Ansible Vault

Executing with Ansible Vault

Troubleshooting Ansible

Troubleshooting Playbooks

Troubleshooting Managed Hosts

Ansible Tower

Ansible Tower overview

Installing

Account management

Hosts

Jobs

Prerequisites

Attendees should have incoming experience similar to the topics listed in the course(s) below or should have attended these as a pre-requisite:

- Introduction to Python Programming Basics
- Introduction to Linux

Course Schedule

Date	Time	Price	Options
06/16/2026	09:00 AM - 05:00 PM CT	2,295.00	Buy Now Enroll
09/21/2026	09:00 AM - 05:00 PM CT	2,295.00	Buy Now Enroll

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What happens when I finish my class?

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