



Consulting and Training | Reach New Heights

Course Name

Ansible Automation: Beginner to Advanced

Sector Name

Information Technology

Document Type

Generated by Boostlab

[Click Here To Visit Course](#)

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770



Ansible Automation: Beginner to Advanced

Course Introduction

Ansible Automation: Beginner to Advanced

Welcome to "Ansible Automation: Beginner to Advanced," a **five-day** course designed to equip professionals with the skills needed to automate IT infrastructure using Ansible. As organizations increasingly adopt automation to streamline operations, mastering Ansible's capabilities becomes essential for managing servers, networks, and cloud environments efficiently. This course provides a comprehensive understanding of Ansible's architecture, playbooks, and modules, enabling you to design and implement automation workflows that meet organizational needs.

Through interactive sessions and hands-on labs, you will explore advanced topics such as playbook design, inventory management, and role-based automation. You will also learn how to integrate Ansible with CI/CD pipelines, ensuring seamless collaboration between development and operations teams. The course emphasizes practical application, enabling you to design scalable, secure, and maintainable automation workflows that align with modern DevOps practices.

By the end of this course, you will have the expertise to automate IT infrastructure effectively, fostering a culture of automation,

collaboration, and continuous improvement. Whether you are a system administrator, DevOps engineer, or IT professional, this course provides the knowledge and skills necessary to excel in automation implementation and optimization. With Ansible as your foundation, you will be prepared to tackle complex challenges in IT operations.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Ansible Automation: Beginner to Advanced

Target Audience

This course is ideal for system administrators, DevOps engineers, and IT professionals involved in automation. It is particularly beneficial for individuals looking to gain a foundational understanding of Ansible and its practical applications.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Ansible Automation: Beginner to Advanced

Learning Objectives

- ✓ Understand the principles of automation and their role in modern IT environments.
- ✓ Design and implement Ansible playbooks for various use cases.
- ✓ Manage inventory files and configure role-based automation.
- ✓ Integrate Ansible with CI/CD pipelines for automated workflows.
- ✓ Troubleshoot common Ansible issues and optimize performance.

ABU DHABI: +971 2 449 6000

ABU DHABI: +971 50 412 3294

DUBAI: +971 4 888 6787

KSA: +966 56 416 0617

EGYPT: +20 127 111 1770

[Click Here To Visit Course](#)



Ansible Automation: Beginner to Advanced

Course Outline

✓ Day 01

Foundations of Ansible

- ✓ Introduction to Automation
- ✓ Definition and importance of automation in IT environments.
- ✓ Benefits of implementing automation with Ansible.
- ✓ Overview of Ansible's architecture and components.

Setting Up Ansible

- ✓ Installing Ansible on Linux and Windows systems.
- ✓ Configuring inventory files and SSH connections.

Interactive Session

- ✓ Hands-on exercise: Run a simple Ansible playbook.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Ansible Automation: Beginner to Advanced

Course Outline

✓ Day 02

Building Playbooks

- ✓ Understanding Playbook Syntax
- ✓ YAML basics and Ansible playbook structure.
- ✓ Writing and debugging Ansible playbooks.

Managing Tasks

- ✓ Defining tasks, handlers, and templates.
- ✓ Using variables and conditionals in playbooks.

Practical Exercise

- ✓ Create a playbook to configure a web server.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Ansible Automation: Beginner to Advanced

Course Outline

✓ Day 03

Inventory and Roles

- ✓ Inventory Management
- ✓ Organizing hosts and groups in inventory files.
- ✓ Using dynamic inventories for cloud environments.
- ✓ Role-Based Automation
- ✓ Creating reusable Ansible roles.
- ✓ Organizing roles for scalability.
- ✓ Role Play
- ✓ Build an Ansible role and apply it to multiple hosts.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Ansible Automation: Beginner to Advanced

Course Outline

✓ Day 04

Integrating Ansible with CI/CD

- ✓ Automating Workflows
- ✓ Integrating Ansible with Jenkins, GitLab, and GitHub Actions.
- ✓ Automating server provisioning and configuration.

Multi-Environment Deployments

- ✓ Deploying configurations across development, staging, and production.
- ✓ Managing environment-specific variables.

Group Activity

- ✓ Automate server provisioning using Ansible and a CI/CD pipeline.

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)



Ansible Automation: Beginner to Advanced

Course Outline

✓ Day 05

Advanced Topics and Best Practices

- ✓ Securing Ansible
- ✓ Protecting sensitive data with Ansible Vault.
- ✓ Enforcing access controls for playbooks.

Scaling Ansible

- ✓ Optimizing performance with parallel execution.
- ✓ Handling large-scale automation workflows.

Best Practices and Real-World Examples

- ✓ Reviewing best practices for Ansible usage.
- ✓ Discussing real-world case studies and success stories.

Final Project Presentation: Comprehensive Ansible Automation Workflow

- ✓ Closing Remarks



ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

ROOST

Ansible Automation: Beginner to Advanced

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 23, 2027	May 27, 2027	5 days	4250.00 \$	KSA , Riyadh
Jan. 18, 2027	Jan. 22, 2027	5 days	4950.00 \$	Netherlands , Amsterdam
Aug. 24, 2026	Aug. 28, 2026	5 days	4250.00 \$	UAE , Dubai
Nov. 23, 2026	Nov. 27, 2026	5 days	4250.00 \$	UAE , Dubai

ABU DHABI: +971 2 449 6000
ABU DHABI: +971 50 412 3294
DUBAI: +971 4 888 6787
KSA: +966 56 416 0617
EGYPT: +20 127 111 1770

[Click Here To vist Course](#)

info@boostuae.com info@boostorg.com

Generated by BoostLab •

