Ansible Basics: Automation Technical Overview (DO007) Training

Duration: **30 Day**

BILGINC IT Academy
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Overview

Discover how to create, scale, and manage automation with Red Hat Ansible Automation Platform.

Ansible Basics: Automation Technical Overview (AU094) is a free, on-demand video series designed to introduce participants to Red Hat Ansible Automation Platform and the fundamental principles of IT automation with Ansible.

The course provides a high-level overview of how Ansible can support configuration management, provisioning, application deployment, and compute infrastructure management across cloud, virtual, and physical environments.

Participants are introduced to the essential components of the Ansible ecosystem while exploring how automation can simplify recurring IT operations and support the management of modern production environments.

This course is based on **Ansible Automation Platform 2.5**.

AU094 explores how Ansible can simplify common IT activities such as configuration management, application deployment, and orchestration.

The course introduces essential Ansible concepts, including **modules, tasks, and playbooks**. Through practical, real-world examples, participants also explore the role of Automation Controller within automation workflows and learn how Ansible Automation Platform can support the management of production environments.

The course is presented by **Roger Lopez, Principal Technical Marketing Manager – Ansible**.

Recommended Next Course and Certification

Participants who want to continue developing practical Ansible automation skills after AU094 may consider:

- **Red Hat Enterprise Linux Automation with Ansible (AU294)**
- **Red Hat Certified Engineer (RHCE) Exam (EX294)**

Prerequisites

There are **no prerequisites** for this technical overview.

Participants can attend the course without previous hands-on experience with Ansible.

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Who Should Attend

This technical overview is intended for professionals who want to gain a high-level understanding of Ansible and IT automation.

The course is particularly relevant for:

- IT leaders,
- System and platform administrators,
- IT engineers,
- System and solution architects,
- Other IT professionals interested in understanding Ansible and automation technologies.

What You Will Learn

After completing AU094, participants should have a high-level understanding of Ansible and its role in enterprise IT automation.

Participants will be able to:

- Explain the fundamental role of Ansible in IT automation.
- Understand how Ansible can support configuration management, deployment, and orchestration.
- Recognize core Ansible concepts such as modules, tasks, and playbooks.
- Describe the general purpose of variables, templates, roles, and collections.
- Understand the role of Automation Controller within automation processes.
- Recognize the importance of role-based access control in enterprise automation.
- Understand the basic concept of Ansible workflows.
- Explain the purpose of Event-Driven Ansible at a high level.
- Gain an overall understanding of how Ansible Automation Platform can be used to manage production environments.

Outline

Course Introduction

Get an overview of the course, its main topics, and the fundamental approach behind Ansible automation.

The Automation Advantage

Explore the key benefits of introducing automation into IT operations and understand how automation can improve the management of recurring processes.

Ansible Basics

Learn the fundamental concepts behind Ansible and understand its overall approach to creating IT automation.

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Ansible Variables

Explore how variables can be used to create more flexible and reusable automation.

Ansible Constructs

Become familiar with the core constructs used to build and organize Ansible automation.

Ansible Templates

Learn how templates can support dynamic configurations that adapt to different systems and environments.

Ansible Roles

Explore Ansible roles and understand how they help organize automation content into modular and reusable components.

Ansible Collections

Learn how collections are used to organize and distribute Ansible content and understand their role within the broader automation ecosystem.

Role-Based Access Control (RBAC)

Explore how role-based access control can be used to manage access to automation resources for different users and teams.

Ansible Workflows

Understand how workflows can connect multiple automation steps to create more comprehensive automated processes.

Event-Driven Ansible Overview

Get an introduction to Event-Driven Ansible and explore the concept of triggering automation in response to defined events or changes.

Next Steps

Review the available paths for continuing your Ansible learning journey and developing more advanced automation skills.