



Ansible Training Curriculum

STRUCTURE



Ansible Training Curriculum

“Learn all about Ansible and establish yourself as a certified Ansible expert right away”

About Croma Campus:

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

Course Objectives:

- Learn to automate system administration tasks on managed hosts with Ansible
- Covers Ansible Architecture, Installation and Configuration of Ansible
- Get introduced to Ansible Roles and Ansible Modules
- Comprehensive hands-on with Playbooks
- Use Ansible Tower to easily manage enterprise Deployment

Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | Multiple Hands-on Exercises
- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work.** You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**
- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by **ISO 9001:2015 & E-Cell IIT Jodhpur**) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

Course Description:

Ansible is an open source configuration management, software provisioning, and application deployment tool. Its application is found in many Unix-like systems. Additionally, it can be configured to work perfectly with Microsoft Windows as well.

Ansible is gaining massive attention worldwide as the tool provides gigantic and dynamic productivity capabilities like few others. In 2017, Ansible expanded its user base by over 50%. An integrated Ansible course promises a rewarding career to beginners and professionals alike in the expanding global development landscape.

The tool provides a robust mechanism to automate sophisticated multi-tier IT systems. Hence, it is gaining traction among technology giants due to a wide variety of evolving automation challenges. The rising interest in this field has led to over 72,000 active members of Ansible meetups globally.



Ansible tool is the new gateway to automation for companies. It is the most widely used automation tool on GitHub today. Ansible has a growing community of contributors and is currently at 4000 contributors as stated by GitHub, who present new modules to the developing community at large. In short, if you are not using Ansible for automation, it's time you get in tandem with the world and do it.

Prerequisites:

No programming or previous automation experience is required. But, the individual should possess the following in order to take the Ansible course:

- Linux Command Line Operations
- Text Editor
- Experience with installing and configuring applications

Ansible course is important for network engineers as well as software developers. The tool is the first step to creating remarkable scalable IT environments, a dire need for many companies. Hence, mastery of Ansible course is guaranteed to land you a job in your desired field.

Course Content:

Module 1: Introduction to Ansible

- Evolution of Infrastructure
- Overview of Infrastructure as a Code
- What is Configuration Management
- Ansible Overview

Module 2: Ansible Architecture & Installation

- Ansible Architecture and its working
- Ansible in DevOps
- Installation and Configuration
- Working with Command Line Tools

Module 3: The Playbook Grammar

- Playbook YAML definition
- Playbook terms
- Playbook tasks
- Writing Ansible Playbooks
 - Hosts and Users
 - Variables
 - Tasks
 - Handlers
 - Jinja2 Templates

Module 4: Ansible Modules

- Overview of Modules
- Types of Modules
- Core Modules
- Extras Modules
- Return Values
- Adhoc Commands
- Case Study

Module 5: Ansible Roles

- Overview of Roles
- Role Directory Structure
- Using Roles
- Working with Ansible Galaxy

Module 6: Ansible Tower

- Installing Ansible Tower
- Features of Ansible Tower
- Managing Jobs

- Manage and Track Inventory
- Remote Command Execution
- Case Study