



# ANSIBLE

## Online Training

From Beginner to Expert Level



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**Spark Databox** is known to be a pre-eminent platform for software certificate training and career development. Through our mission, we are a pioneer or positive change, improve productivity, increase the workforce, and creating a career opportunity for everyone. We are India's #1 software training institute. Apart from receiving excellent live training you will also receive free self-paced video courses, training materials, placement support, mock interviews and many more.

## Program Key Features

- ❖ 100% Practical training
- ❖ Experienced Trainers
- ❖ 100% Placement assistance
- ❖ Small batch size
- ❖ Customized training content

- ❖ Real-time project training
- ❖ Fully equipped cloud lab
- ❖ 100% Customer support
- ❖ 100% Money back guarantee

## About Course:

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Spark Databox **Ansible online Training** will benefit you acquires the skills and experience needed to automate the administration and deployment of systems over Linux, Windows operating systems utilizing Ansible in business circumstances. It provides in-depth knowledge on how to design and run Ansible playbooks to install, configure, and automate operations through hands-on practical training using real-time cases. Additionally, you will be enabled to operate on two real-time Ansible applications in your training that are in series with this Ansible online Certification Exam.

## Contents

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### Section 1: Ansible - Introduction

- Configuration Management & Orchestration
- Why configuration management is critical?
- Ansible - Pros & Cons
- Web scale
- Ansible vs Chef
- Ansible vs Puppet

### Section 2: Setting up the environment

- Some prerequisites
- Getting set up on a Mac
- Getting set up on Linux
- Getting set up on Windows
- Testing with Vagrant
- Using SSH keys to connect to your target nodes

### Section 3: How to work with Inventory?

- Basic inventory example
- Hosts selection and groups
- Host Selection
- Tasks
- Plays

## Section 4: Ansible Playbooks

- Organizing Ansible code
- Git configuration
- Install and configure NTP time synchronization using Playbook
- Packages: apt
- Packages: become
- Packages: with\_items
- Services: service
- Support Playbook 1 - ,Stack Restart
- Services: apache2\_module, handlers, notify
- Files: copy
- Application Modules: pip
- Files: file
- Files: template
- Files: lineinfile
- Application Modules: mysql\_db, mysql\_user

## Section 5: Provisioners

- Connecting Ansible to your preferred cloud provider (we'll use DigitalOcean)
- Creating a new server instance
- Dynamic inventory
- Dynamic inventory on Amazon AWS
- Mixing static and dynamic inventory

## Section 6: Highly available infrastructure with Ansible

- Spec up our inventory and host groups
- Using roles
- Configure our database backend
- Configure our web server front-end
- Configure a replicated filesystem
- Configure centralized logging

## Section 7: Application deployments with Ansible

- Deploying our app from SCM to our local Vagrant environment
- Production deployment after QA
- Updating our application
- Ansible compares vs Capistrano

## Section 8: Docker containers with Ansible

- Brief intro to Docker
- The synergy of containerization and automation
- Using Ansible to build Docker containers
- MySQL containers
- Web application containers
- Data storage containers

## Section 9: Testing and continuous integration

- Unit, integration and functional testing
- Automating your testing using GitHub and Travis CI

## Section 10: Real-time project training

- Ansible project environment setup in Spark Databox Lab
- Real-time Ansible project
- Project demonstration
- Expert evaluation and feedback

## Section 11: You made it!!

- Spark Databox Ansible certification
- Interview preparation
- Mock interviews
- Resume preparation
- Knowledge sharing with industry experts
- Counseling to guide you to a right path in Ansible career

## You made it!!

Post completion of Ansible Online Course, a proper orientation for placements is done. With this training from experienced trainers, as professionals, you will be equipped with different proficiencies. This is a chance to open up and widen your prospects.

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