

DEVOPS

INTERMEDIATE

3 DAYS

Configuration Management with Ansible

Build a strong foundation in configuration management and automation using Ansible by understanding its architecture, components, and workflows. Learn how to install, configure, and use playbooks, roles, inventories, and modules to automate infrastructure deployment and operational tasks at scale.

Why Ansible?

Automation

Ansible enables businesses to automate repetitive and time-consuming IT tasks, reducing manual errors and increasing productivity.

Cost-effective

Ansible is an open-source tool, which means it is free to use and can significantly reduce the cost of managing and deploying IT infrastructure.

Consistency

With Ansible, your team can reduce the risk of configuration drift and ensure that all systems are up-to-date and secure.

What you'll be able to do

- ✓ Gain a comprehensive understanding of Ansible, its architecture, and its components.
- ✓ Learn how to install and configure Ansible on different operating systems and platforms.
- ✓ Understand the concepts of Ansible Playbooks and Roles.
- ✓ Learn how to use Ansible's inventory and variables to manage and deploy infrastructure.
- ✓ Master the skill of how to use Ansible modules and plugins to extend Ansible's functionality and automate complex IT tasks.

Who this is for

- System Administrators
- IT Operations staff
- Developers
- DevOps Engineers
- Network Engineers
- Managers
- Cloud Architects
- Data Center Engineers
- Test Engineers

Curriculum

01 Ansible Foundations

- Apply ansible foundations with Ansible in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
- Validate outcomes, logs, and failure modes
- Capture reusable patterns for team standards

02 Inventory and Ad-hoc Commands

- Apply inventory and ad-hoc commands with Ansible in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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03 Modules

- Apply modules with Ansible in practical DevOps workflows
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04 Playbooks

- Apply playbooks with Ansible in practical DevOps workflows
- Complete hands-on labs with realistic scenarios
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05 Roles

- Apply roles with Ansible in practical DevOps workflows
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06 Provisioning Patterns

- Apply provisioning patterns with Ansible in practical DevOps workflows
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07 Troubleshooting

- Apply troubleshooting with Ansible in practical DevOps workflows
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08 Best Practices

- Apply best practices with Ansible in practical DevOps workflows
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- Capture reusable patterns for team standards