

Why OneCloud?

OneCloud Consulting is dedicated to providing exceptional technical education and professional services. Our team of experts combine skill, knowledge, and experience in providing quality education on Cloud Transformation, Infrastructure Automation, and Software Development. Our specializations include Cloud Services, Network and Services Automation, Data Center Solution Design and Deployment Services, and Technical Strategy.

Course Description

This course will allow you to automate system administration tasks on managed hosts with Ansible and also help network engineers to perform Network automation. Learn how to create Ansible playbooks for standardization of task execution, manage encryption of Ansible Vaults, and how to leverage Ansible in a DevOps environment.

Learning Objectives

- Install and troubleshoot Ansible on central nodes and managed hosts
- Network automation using Ansible
- Use Ansible to run ad-hoc commands and playbooks to automate tasks
- Write effective Ansible playbooks
- Protect encrypted data needed for tasks with Ansible Vault

Course Agenda

Module 1:

- Why Ansible?

Module 2:

- Real World Use Cases

Module 3:

- Ansible Overview
- Network Modules – Cisco and Arista

Module 4:

- Ansible CLI Tips & Tricks
- Lab 1 –CLI Tools
- Lab 2 –Ad-Hoc Commands

Module 5:

- Troubleshooting
- Linters & Tools
- Lab 3 –Troubleshooting

Module 6:

- Inventory, Playbooks, Vault
- Lab 4 –Inventory
- Lab 5 –Playbooks
- Lab 6 –Vault

Module 7:

- Variables, Facts & Inclusions
- Lab 7 –Variables and Inclusions

Course Type:
Instructor Led Training, with Hands on Lab

Course ID:
ANSIBLE

Duration:
2 Day

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Module 8:

- Loops & Task Controls
- Lab 8 –Loops

Module 9:

- Jinja2
- Lab 9 –Implementing Jinja2 Templates

Module 10:

- Roles
- Lab 10 – Roles

Module 11:

- Advanced Networking
- Lab 11 –Network Orchestration

Labs

Lab 1: CLI Tools

Lab 2: Ad-Hoc Commands

Lab 3: Troubleshooting & Tools

Lab 4: Inventory

Lab 5: Playbooks

Lab 6: Vault

Lab 7: Variables and Inclusions

Lab 8: Loops

Lab 9: Implementing Jinja2 Templates

Lab 10: Roles

Lab 11: Network Orchestration