AWX for Beginners

Duration: 3 days (8hrs/day)

Prerequisites:

- Configuration management with Ansible
- Basic knowledge of Containers

Course Objective: This comprehensive AWX course, covering AWX installation, managing users and groups, inventories, credentials, job templates is designed to equip learners with the skills needed to manage ansible automation in the enterprise.

AWX version: latest

Lab Requirement: Koenig-DC

Module 1 – Execution environment and git

Introduction to Execution environment

Introduction to Ansible navigator

Introduction to git

Lab: Run playbooks with Ansible Navigator

Lab: Manage ansible playbooks with git

Module 2 – Installation of AWX

Setup AWX in Kubernetes

Lab: Installation of Kubernetes 1-Master and 2-Nodes Cluster

Lab: Installation of AWX in Kubernetes using AWX operator

Module 3 – Managing access with users and teams

Create new users and explain the types of users

Create teams and add users to teams

Lab: Create users in AWX

Lab: Create teams in AWX and assign users to teams

Module 4 – Managing inventories and credentials

Create static inventory in AWX

Create machine credentials for inventory hosts to allow AWX to run ansible jobs on them

Lab: Create static inventory

Lab: Create Machine credentials

Module 5 – Managing projects and launching ansible jobs

Create projects that fetch information from git repository

Launch ansible playbooks using job template

Lab: Create ansible project

Lab: Launch ansible playbooks using job template

Module 6 – Constructing advanced job workflow

Create job template survey to launch jobs with custom settings

Create workflow job template to launch multiple ansible jobs as single workflow

Lab: Create job template with survey

Lab: Launch multiple ansible jobs with workflow template