
DevOps Automation with Red Hat Ansible Eğitimi

Eğitim Hakkında

Ansible is a software platform by Red Hat that can be employed to automate development (Dev) and operations (Ops) tasks. One of its most advantageous solutions is Ansible Tower. Formally known as AWX, Ansible Tower is a web-based management system for Ansible projects. Red Hat Ansible Tower allows its users to efficiently execute and maintain IT workflows while scaling to complex implementations of software development.

This instructor-led, live training (online or onsite) is aimed at DevOps engineers, developers, and project managers who wish to utilize Red Hat Ansible Tower to optimize enterprise application development processes and orchestrate better business environments.

Neler Öğreneceksiniz

- Setup Red Hat Ansible Tower and configure other necessary
- Ansible automation tools.
- Execute and manage Ansible projects using the centralized Ansible Tower system.
- Operate the Red Hat Ansible Tower web interface and integrate it with external platforms.
- Leverage Ansible Tower resources and features to attain a dynamic and effective organization.

Eğitim İçeriği



Introduction

Setting up Red Hat Ansible Tower and Configuring Core Ansible Tools

- System requirements for operating with Ansible Tower
- Upgrading and migrating to Red Hat Ansible Tower
- Web proxy and Websocket configurations for Ansible Tower

Overview of Red Hat Ansible Tower Features and Architecture

- Implementing known Ansible concepts
- Red Hat Ansible Tower for users and administrators

Running and Managing Ansible Tower Services

- Integrating external databases to a Tower node

Navigating the User Interface of Ansible Tower

- Monitoring and operating the Activity Stream
- Utilizing viewing information options in Ansible Tower
- Working with Ansible Tower Dashboard
- Accessing and configuring user tasks and schedules

Searching and Sorting Features in Red Hat Ansible Tower

Overview of Additional Ansible Tower Resources and Administrative Options



Controlling User Access and Role-Based Access Control in Red Hat Ansible Tower

- **Organizational roles relevant to Ansible Tower interface**
- **Creating and managing users in Ansible Tower**
- **Delegating user permissions**
- **Creating and working with teams in Ansible Tower**

Writing and Customizing Tower Inventory Scripts

- **What is a static Tower inventory?**
- **Importing Tower inventory files and updating a project**

Getting Started with Ansible Tower Credentials

- **Familiarizing with custom credential types in Ansible Tower**
- **Working with multi-credential assignments**
- **Specifying multiple vault credentials for job templates**
- **Linking credential fields to external systems**
- **Uploading machine and cloud credentials to Ansible Tower**

Creating Machine Credentials for Accessing Inventory Hosts

Managing and Cleaning Up Ansible Tower Data

- Removing old data and ob history
- Handling expired Ansible Tower components

Overview of Ansible Tower Applications, Projects, and Inventories Management

- Manipulating job templated and job slicing
- Configuring workflow templates in Ansible Tower

Clustering with OpenShift in Red Hat Ansible Tower

Deploying and Carrying Out Advanced Configurations using OpenShift in Ansible Tower

Securing Ansible Tower and Managing Administrative Functionalities

- Advanced Tower functionalities and authentication methods

Operating Ansible Tower with GitHub and Webhooks

Integrating Red Hat Ansible Tower with Ansible API

Backing Up and Restoring Ansible Tower

Troubleshooting Red Hat Ansible Tower and Reviewing Logs

Summary and Conclusion