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DO417: Microsoft Windows Automation with Red Hat Ansible

Course Code: DO417
Duration: 5 days
Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

Learn how to automate administration on Windows Server to enable your DevOps workflow

Microsoft Windows Automation with Red Hat Ansible (DO417) is designed for Windows Server professionals without previous Ansible® experience. You will use Ansible to write automation playbooks for Microsoft Windows systems to perform common system administration tasks reproducibly at scale. You will also learn to use Red Hat® Ansible Tower to securely manage and run your Ansible playbooks from a central web-based user interface.

This course is based on Red Hat Ansible Engine 2.8, Red Hat Ansible Tower 3.5, and Windows Server 2016 and 2019.

SKILLS COVERED

- Configure Microsoft Windows systems to be managed with Ansible.
- Create and manage inventories of managed hosts and provide credentials to manage them to Red Hat Ansible Tower.
- Write Ansible playbooks to consistently automate multiple tasks and apply them to managed hosts.
- Run individual ad hoc automation tasks and complex playbooks from Red Hat Ansible Tower.
- Create survey forms in Red Hat Ansible Tower to simplify playbook operation.
- Parameterize playbooks using variables and facts.
- Write and reuse existing Ansible roles to simplify playbook creation and reuse code.
- Leverage existing PowerShell DSC code to extend the power of Ansible automation.
- Automate common Windows Server system administration tasks using Ansible.

WHO SHOULD ATTEND?

Windows Server administrators interested in automating management tasks and in using automation tools to implement their DevOps workflow.

PREREQUISITES

Windows Server administrators interested in automating management tasks and in using automation tools to implement their DevOps workflow.

MODULES

Module 1: Introduction to Red Hat Ansible Automation

Module 2: Run simple automation commands

Module 3: Implement Ansible playbooks

Module 4: Manage variables and facts

Module 5: Install and update software

Module 6: Implement task control

Module 7: Deploy files to managed hosts

Module 8: Interact with users and domains

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Module 9: Automate Windows automation tasks

Module 10: Manage large projects

Module 11: Construct Ansible Tower workflows

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