Microsoft Windows Automation with Red Hat Ansible Automation Platform (DO417)

ID DO417 **Price** 3,740.— €(excl. tax) **Duration** 4 days

Course Overview

Introduction to performing core system administration tasks by creating and running automation for a Windows Server using Red Hat Ansible Automation Platform.

Microsoft Windows Automation with Red Hat Ansible Automation Platform (DO417) is designed for System administrators, DevOps engineers, and developers who want to learn how to automate the deployment and management of Microsoft Windows servers and applications hosted on them using Red Hat Ansible Automation Platform.

This course is based on Red Hat® Ansible Automation Platform 2.4.

Who should attend

System administrators, DevOps engineers, and developers who are responsible for automating the deployment and management of Microsoft Windows servers and applications hosted on them using Red Hat Ansible Automation Platform.

Prerequisites

- A basic understanding of Windows Server administration is expected
- Students do not need any previous experience with Ansible or Linux
- There are no prerequisites for this course

Course Objectives

Impact on the Organization

- Automation of Microsoft Windows systems with Red Hat Ansible Automation Platform can reduce the time needed for maintenance windows, ensure consistency in configuration and deployment of servers and applications, and reduce cost incurred due to human error. It also provides a single automation solution that can be extended to management of network administration and Linux systems in the datacenter Impact on the Individual Impact to the student Students learn how to create and run automation for Windows Server using Red Hat Ansible Automation Platform, in order to perform core system administration tasks Students can use automation to perform their tasks consistently, repeatably, and automatically, saving time and avoiding errors that might be caused by performing these tasks manually.

Impact on the Individual

- Students learn how to create and run automation for Windows Server using Red Hat Ansible Automation Platform, in order to perform core system administration tasks.
- Students can use automation to perform their tasks consistently, repeatably, and automatically, saving time and avoiding errors that might be caused by performing these tasks manually.

Course Content

- Writing Ansible Playbooks that automate tasks on Microsoft Windows servers
- Managing Ansible Playbooks stored in a Git-based version control system
- Running Ansible Playbooks by using the automation controller web-based UI
- Managing and ensuring software and Windows features are installed and up-to-date using Ansible automation
- Writing efficient tasks in Ansible Playbooks by using loops, conditional tests, and handlers
- Writing Ansible Playbooks that ensure plays can recover when tasks fail
- Deploying, modifying, and managing files with Ansible on your Windows servers, using completed files and Jinja2 templates
- Managing local and domain users, managing Active Directory domains, and generating dynamic inventory of

managed hosts in automation controller based on domain membership
- Automating specific, common Windows Server administration tasks
- Reusing existing automation code by using Ansible Content Collections, Ansible Roles, and Ansible integration with PowerShell Desired State Configuration (DSC) resources

Detailed Course Outline

Introducing Red Hat Ansible Automation Platform

- Describe the fundamental concepts of Ansible and how it is used, and install development tools from Red Hat Ansible Automation Platform

Preparing for Ansible Operations

- Prepare Microsoft Windows hosts for Ansible automation and automation controller to run automation on those hosts

Implementing Ansible Playbooks

- Write a simple playbook to automate tasks on multiple Microsoft Windows-based hosts, and then run the playbook with automation controller

Managing Variables and Facts

- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts

Installing and Configuring Software

- Install, manage, and ensure software is up to date using Ansible Playbooks. Install, manage, and ensure software is up to date using Ansible Playbooks

Implementing Task Control

- Manage task execution using loops, conditional tests, and handlers, and recover when tasks fail

Deploying Files to Managed Hosts

- Deploy, modify, and manage files on your managed hosts

Reusing Code with Ansible Roles and Ansible Content Collections

- Write playbooks that are optimized for larger and more complex projects and that reuse existing automation code

Interacting with Users and Domains

- Manage local and domain users and Active Directory domains on managed hosts, and generate a dynamic inventory of managed hosts in automation controller based on domain membership

Automating Windows Administration Tasks

- Automate common Windows Server administration tasks

Comprehensive Review

- Review tasks from Microsoft Windows Automation with Red Hat Ansible Automation Platform

About Fast Lane

Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

Fast Lane Services

- ✓ High End Technology Training
- ✓ Business & Soft Skill Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digital Learning Solutions
- ✓ Content Development
- ✓ Remote Labs
- ✓ Talent Programs
- ✓ Event Management Services

Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

Technologies & Solutions

- ✓ Digital Transformation
- ✓ Artificial Intelligence
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center

Worldwide Presence
with high-end training centers around the globe

Multiple Awards
from vendors such as AWS, Microsoft, Cisco, Google, NetApp, VMware

Experienced SMEs
with over 19.000 combined certifications

Germany
Fast Lane Institute for Knowledge Transfer GmbH
Tel. +49 40 25334610
info@flane.de / www.flane.de

Austria
ITLS GmbH
(Partner of Fast Lane)
Tel. +43 1 6000 8800
info@itls.at / www.itls.at

Switzerland
Fast Lane Institute for Knowledge Transfer (Switzerland) AG
Tel. +41 44 8325080
info@flane.ch / www.flane.ch