VMware Aria Automation: Install, Configure, Manage [V8.17]

Kód kurzu: VMW_AICM

During this five-day course, you focus on installing, configuring, and managing VMware® Aria Automation™ 8.17 on premises systems. You learn to use VMware Aria Automation to automate the delivery of virtual machines, applications, and personalized IT services across different data centers and hybrid cloud environments. The course covers how VMware® Aria Automation Service Broker™ can aggregate content in native formats from multiple clouds and platforms into a common catalog. This course also covers interfacing VMware Aria Automation with other systems using VMware® Aria Automation Orchestrator™ and how to use VMware Aria Automation to manage Kubernetes systems and use other systems. In this course, you will use VMware® Aria Automation Config™ as a configuration management tool.

Pro koho je kurz určen

System administrators and system integrators responsible for designing, implementing, and managing VMware Aria Automation

Co Vás naučíme

By the end of the course, you should be able to meet the following objectives:

- Install and configure VMware Aria Automation
- Describe the VMware Aria Automation architecture and its use cases in multitenant cloud environments
- Identify the roles of VMware Identity Manager and VMware Aria Suite Lifecycle
- Configure and manage cloud accounts and projects for compute resources
- Configure, customize, and manage VMware Aria Automation Templates
- Configure VMware Aria Automation Service Broker for creating a self-service catalog
- Use the self-service portal to request and manage deployments in VMware Aria Automation
- Integrate NSX with VMware Aria Automation
- Integrate VMware Aria Automation with VMware Cloud Foundation
- Describe VMware Aria Automation extensibility
- Use and manage Kubernetes clusters from VMware Aria Automation
- Use VMware Aria Automation Config for software deployment and configuration management
- Identify the key log files and commands to troubleshoot VMware Aria Automation

Požadované vstupní znalosti

This course requires the students to have strong knowledge on basic VMware vSphere® concepts.

Students should be able to perform the following tasks with no assistance or guidance before enrolling in this course:

- Create VMware® vCenter® objects, such as data centers and folders
- Create a virtual machine using a wizard or a template
- Modify a virtual machine's hardware
- Navigate through the VMware vSphere Client

Osnova kurzu

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 VMware Aria Automation Overview and Architecture

- Describe the purpose and functionality of VMware Aria Automation
- Identify the key services offered by VMware Aria Automation
- Describe the VMware Aria Automation architecture
- Describe the use of VMware Identity Manager
- Describe the relationship between Kubernetes clusters, container, and VMware Aria Automation services

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3 Installing VMware Aria Automation

- List the different VMware Aria Automation deployment types
- Describe the purpose of Easy Installer
- Describe the VMware Aria Automation installation process

4 Authentication and Authorization

- Identify the steps to integrating VMware Identity Manager with Active Directory
- Describe the features of VMware Identity Manager
- Describe the user roles available in VMware Aria Automation
- Identify the key tasks performed by each user role
- Define custom roles
- Configure branding and multitenancy

5 Basic Initial Configuration

- List the VMware Aria Automation basic configuration steps for creating and deploying a VMware Aria Automation template
- Create a basic configuration with a cloud account, cloud zone, project, flavor mapping, and image mapping

6 VMware Aria Automation Templates

- Configure and deploy a basic VMware Aria Automation template
- Create a VMware Aria Automation template that can run on any cloud
- Use cloudConfig and cloudbase-init to run commands, create users, and install software
- Use YAML for inputs, variables, and conditional deployments

7 Using VMware Aria Automation Tags

- Configure tags
- Describe functions of tags
- Manage tags

8 Configuring Storage in VMware Aria Automation

- Configure storage profiles
- Use tags and storage profiles

9 Integrating NSX With VMware Aria Automation

- List the capabilities and use cases of NSX
- Describe the NSX architecture and components
- Integrate NSX with VMware Aria Automation
- List the supported network profiles in VMware Aria Automation
- Use the NSX components to design a multitier application with VMware Aria Automation Templates
- Identify the network and security options available in design canvas
- Create and manage on-demand networks and security groups
- Configure NSX Day 2 actions

10 Integrating VMware Aria Automation with Cloud Systems

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- Configure and use VMware Cloud Foundation® accounts
- Configure and use a VMware® Cloud Director™ account
- Configure and use an AWS cloud account
- Configure and use an Azure cloud account
- Configure and use a Google Cloud Platform cloud account

11 Using VMware Aria Automation Service Broker
- Release a VMware Aria Automation template
- Define content source and content sharing
- Define VMware Aria Automation policy enforcement
- Use custom forms for catalog items

12 VMware Aria Automation Extensibility
- Describe VMware Aria Automation extensibility
- Use event topics
- Create a subscription
- Call a VMware Aria Automation Orchestrator workflow
- Create ABX actions

13 Integration with Kubernetes
- Explore Kubernetes integration
- Describe a Tanzu Kubernetes cluster deployment
- Connect to an existing Kubernetes cluster
- Create a VMware Aria Automation template with
- Kubernetes components

14 Introduction to VMware Aria Automation Config
- Describe VMware Aria Automation Config
- Use VMware Aria Automation Config for software deployment
- Use VMware Aria Automation Config for configuration management
- Use VMware Aria Automation Config with event driven orchestration

15 Troubleshooting and Integration with VMware Aria Suite
- Demonstrate how to monitor deployment history
- Demonstrate basic troubleshooting
- Execute CLI commands
- Explain how to collect logs
- Describe integration with VMware® Aria Operations™ for Logs
- Describe integration with VMware Aria Operations

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