VMWA-16 - VMWARE ARIA AUTOMATION: INSTALL, CONFIGURE, MANAGE [V8.17]

Categoria: **VMware**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	VMware	VMware Certified Instructor	Professionista IT	VMware

OBIETTIVI

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

PREREQUISITI

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

CONTENUTI

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

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

- -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

INFO

Materiale didattico: Materiale didattico ufficiale VMware in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)