

# VMWA-16 - VMWARE ARIA AUTOMATION: INSTALL, CONFIGURE, MANAGE

## [V8.17]

Categoria: **VMware**

### INFORMAZIONI SUL CORSO



Durata:  
5 Giorni



Categoria:  
VMware



Qualifica Istruttore:  
VMware Certified  
Instructor



Dedicato a:  
Professionista IT



Produttore:  
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)