



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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CODE:	LENGTH:	PRICE:
EDU-VMW-VAAAT	40 Hours (5 days)	\$4,250.00

## Description

This five-day course is a follow-on to the VMware Aria Automation: Install, Configure, Manage course. During this course, you will take a deeper dive into advanced topics using features of VMware Aria Automation such as deploying user systems and interfacing Aria Automation with other platforms. You will also learn how to deploy a cluster environment using VMware Aria Suite Lifecycle and interface with, and use, vSphere with Tanzu Kubernetes. This course makes heavy use of hands-on labs.

## Objectives

Upon completing this course, the learner will be able to meet these overall objectives: Describe and configure VMware Aria Automation in a clustered enterprise deployment using with VMware Aria Suite Lifecycle Scale out VMware Identity Manager to support High Availability Use external Certificate Authorities to configure security certificates in VMware Aria Automation Create YAML templates to configure VMware Aria Automation using cloudConfig Use VMware Aria Automation advanced templates to deploy a 2-tier Database-Server using MySQL and phpMyAdmin Use Advanced VMware NSX networking features including NAT, routed networks, load balancers, security groups, and tags Integrate and use NSX Advanced Load Balancer with VMware Aria Automation and VMware NSX Create and use Aria Automation Pipelines to deploy software and connect to Kubernetes Create and use Ansible playbooks that integrate with VMware Aria Automation Integrate Aria Automation with Terraform Integrate Aria Automation with GitLab Create Orchestrator Workflows and ABX Actions that interface with other systems and use REST calls Configure and use Orchestrator Workflows and ABX actions to create day-2 actions and interface with Powershell scripts Use Aria Automation to deploy minions and deploy software

## Audience

The primary audience for this course is as follows: Experienced system administrators and system integrators responsible for using VMware Aria Automation in advanced configurations in enterprise deployments.

## Prerequisites

This course requires completion of the following course: VMware Aria Automation: Install, Configure, Manage [V8.10]

## Program

Module 1: Course Introduction Introductions and course logistics Course objectives Module 2: VMware Aria Automation Clustered Deployment Using Aria Suite Lifecycle in a clustered deployment Configure External Certificates Configure VMware NSX Advanced Load Balancer Install VMware Aria Automation using Clustered Deployment Scale out VMware Identity Manager to support High Availability Module 3: Advanced VMware Aria Automation Templates Use advanced YAML and cloudConfig to deploy a functioning 2-tier application with a phpMyAdmin front end server and a MySQL database server Use cloudConfig and clou-init Use advanced YAML techniques to create configuration files and add users to deployed virtual machines Module 4: Advanced Networking Use VMware NSX advanced features in VMware Aria Automation templates Interfacing to IPAMs Use VMware NSX NAT in VMware Aria Automation templates Use VMware NSX Routed Networks Use VMware NSX Advanced Load Balancer Use VMware NSX Security Groups Module 5: Advanced Orchestrator Workflows Create Day-2 Actions with Orchestrator workflows Use Orchestrator to Add computer objects to Active Directory when VMware Aria Automation deploys templates Create VMware Aria Automation Custom Resources Create VMware Aria Automation Resource Actions Use VMware Aria Automation with Orchestrator to perform REST calls Module 6: Using ABX Actions Use ABX to create day-2 Actions Create ABX Action-Flows Use ABX to make REST calls Module 7: Kubernetes Integration Describe vSphere With Tanzu Create a Supervisor Cluster Create a Supervisor Namespace Create Cluster Plans Deploy a Tanzu Kubernetes cluster from Aria Automation Manage Kubernetes Tanzu clusters from Aria Automation Execute YAML code and deploy software in a managed Tanzu Kubernetes cluster Connect to an existing generic Kubernetes cluster Create Kubernetes namespaces from Aria Automation Interface Aria Automation to other Kubernetes systems Module 8: Aria Automation Pipelines Create and use CI/CD pipelines Use the Pipeline user interface Add states and tasks to a pipeline Integrate code from a pipeline with Gitlab Use an Aria Automation pipeline to install software Use an Aria Automation

Pipeline to Create a Kubernetes Namespace and a Deployment Module 9: Aria Automation and Configuration Management Describe Ansible, Puppet, and Terraform Integrate Ansible with VMware Aria Automation Integrate Terraform with VMware Aria Automation Call Terraform from VMware Aria Automation Use Terraform to manage VMware Aria Automation Deploy an Aria Automation Config minion Install software on an Aria Automation Config minion Create and manage files on a Linux system with Aria Automation Config

## **Session Dates**

On request. Please [Contact Us](#)

## **Additional Information**

[This training is also available as onsite training. Please contact us to find out more.](#)