



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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VMware Aria Automation: Orchestration and Extensibility [V8.13]

CODE:	LENGTH:	PRICE:
EDU-VMW-VAAOE	40 Hours (5 days)	\$4,625.00

Description

During this five-day course, you focus on using VMware Aria Automation Orchestrator™ to extend the functionality of VMware Aria Automation™. You learn how to provide XaaS (Anything as a Service) and implement machine lifecycle extensibility using the VMware Aria Automation Event Broker. You also learn how to create VMware Aria Automation Orchestrator workflows and VMware Aria Automation ABX actions. You learn about various features, including basic scripting implementation along with logic processing to implement a variety of functions to use in your environment. This course teaches implementing debugging, loops, conditions, and user interactions in VMware Aria Automation Orchestrator. The course introduces the VMware Aria Automation Orchestrator HTML 5 interface, along with API calls and REST functions, to give you the groundwork to implement a variety of plugins and scripts. This course is designed to give you the tools to craft custom solutions in the product.

Objectives

Upon completing this course, the learner will be able to meet these overall objectives: Describe the features, benefits, components, and integration of VMware Aria Automation Orchestrator and VMware Aria Automation Describe the role of VMware Aria Automation Orchestrator workflows and content elements in automation Use the VMware Aria Automation Orchestrator client to access and navigate the VMware Aria Automation Orchestrator platform, and to import and run VMware Aria Automation Orchestrator library workflows Design, develop, and run custom reusable VMware Aria Automation Orchestrator workflows Use VMware APIs in the VMware Aria Automation Orchestrator workflow Integrate VMware Aria Automation with VMware Aria Automation Orchestrator instances to extend infrastructure as a service (IaaS) system life-cycle processes and to enhance and deliver custom IT services Use anything as a service (XaaS) to extend VMware Aria Automation to other enterprise systems Use the VMware Aria Automation Event Broker service to trigger specific VMware Aria Automation Orchestrator workflows

Audience

The primary audience for this course is as follows: Experienced VMware administrators, automation and orchestration specialists, system integrators, private cloud administrators, and public cloud administrators

Prerequisites

Before taking this course, you should have completed the following course: VMware Aria Automation: Install, Configure, Manage [V8.10] course or equivalent knowledge You should also have the following understanding or knowledge: Knowledge of VMware vSphere Working knowledge of scripting or programming using JavaScript, Windows PowerShell, Perl, Java, Python, or similar languages. All code is provided during class.

Program

Module 1: Course Introduction Introductions and course logistics Course objectives Module 2: Overview of VMware Aria Automation and VMware Aria Automation Orchestrator Define the purpose of VMware Aria Automation Outline the purpose of VMware Aria Automation Orchestrator Describe the main components of VMware Aria Automation Describe the main components of VMware Aria Automation Orchestrator Module 3: Using Schema Elements Describe a scriptable task Run a Polyglot script from a VMware Aria Automation Orchestrator workflow Run JavaScript from a VMware Aria Automation Orchestrator workflow Run a VMware Aria Automation Orchestrator workflow from a VMware Aria Automation Orchestrator workflow Run an action from a VMware Aria Automation Orchestrator workflow Use VMware Aria Automation Orchestrator workflows both synchronously and asynchronously Module 4: Working with Variables Define inputs, outputs, and variables in VMware Aria Automation Orchestrator workflows Bind variables in VMware Aria Automation Orchestrator workflows Explain the purpose of binding in VMware Aria Automation Orchestrator workflows Wrap VMware Aria Automation Orchestrator workflows Using APIs and the API Explorer Create actions in VMware Aria Automation Orchestrator Use Aria Automation Orchestrator input forms Handle user interactions in VMware Aria

Automation Orchestrator Module 5: Handling Exceptions, Logging, and Debugging Identify the function of exception handling Handle exceptions in VMware Aria Automation Orchestrator workflows Use logs in VMware Aria Automation Orchestrator workflows Debug VMware Aria Automation Orchestrator workflows Monitor variable values Module 6: Branching and Looping Use decision schema element for branching in VMware Aria Automation Orchestrator workflows Use switch schema element for branching in VMware Aria Automation Orchestrator workflows Use loops in VMware Aria Automation Orchestrator workflows Module 7: Working with Assets Create and use configuration elements in VMware Aria Automation Orchestrator Use resources in VMware Aria Automation Orchestrator Create and use packages in VMware Aria Automation Orchestrator Module 8: Working with Plug-Ins Explain the functionality of VMware Aria Automation Orchestrator plug-ins Download and install plug-ins Use the SSH plug-in in VMware Aria Automation Orchestrator Use the REST plug-in in VMware Aria Automation Orchestrator Use the VMware Aria Automation plug-in in VMware Aria Automation Orchestrator Use the PowerShell plug-in in VMware Aria Automation Orchestrator Use dynamic types in VMware Aria Automation Orchestrator Module 9: Working with Versioning and Git Manage versioning in VMware Aria Automation Orchestrator Use Git in VMware Aria Automation Orchestrator Module 10: Working with Time-Related Schema Elements Use scheduling in VMware Aria Automation Orchestrator Use sleeping in VMware Aria Automation Orchestrator Use waiting in VMware Aria Automation Orchestrator Module 11: Introduction to Extensibility Introduction to VMware Aria Automation extensibility Explain the Event Broker Service Explain life cycle integration Module 12: Using the Event Broker Explain the functionality of the Event Broker Service Overview of VMware Aria Automation Event Broker Create VMware Aria Automation subscriptions Data exchange between VMware Aria Automation and VMware Aria Automation Orchestrator Module 13: Using ABX Actions Overview of Action Based Extensibility (ABX) Describe Function as a Service (FaaS) Differentiate between VMware Aria Automation Orchestrator and ABX Create an ABX action that is called by a VMware Aria Automation subscription Module 14: Working with Services, Custom Resources, and Resource Actions Describe the service broker service Use VMware Aria Automation Orchestrator as a content source in VMware Aria Automation Create custom resources in VMware Aria Automation Create resource actions in VMware Aria Automation Module 15: Capturing the vSphere Client Code Use vSphere Client code capture to capture code in VMware Aria Automation Orchestrator workflow, JavaScript, PowerCLI or other languages Use the captured code in VMware Aria Automation Orchestrator workflows or actions

Session Dates

On request. Please [Contact Us](#)

Additional Information

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