

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

1 Introductions and course logistics

- Course objectives

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

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

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 VMware Aria Automation Orchestrator input forms
- Handle user interactions in VMware Aria Automation Orchestrator

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

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

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

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

9 Working with Versioning and Git

- Manage versioning in VMware Aria Automation Orchestrator
- Use Git in VMware Aria Automation Orchestrator

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

11 Introduction to Extensibility

- Introduction to VMware Aria Automation extensibility
- Explain the Event Broker Service
- Explain life cycle integration

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

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

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

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