On Demand: VMware vRealize Automation: Install, Configure, Manage [V8]
HM9N7S

During this course, you focus on installing, configuring, and managing VMware vRealize® Automation™. You gain an understanding on how to use vRealize Automation to automate the delivery of virtual machines, applications, and personalized IT services across different data centers and hybrid cloud environments. The course covers how to manage both on-premise systems and cloud services and how vRealize Automation Service Broker can aggregate content in native formats from multiple clouds and platforms into a common catalog. You learn how to interface vRealize Automation with other systems using VMware vRealize® Orchestrator™ and how to use vRealize Automation to manage Kubernetes systems and leverage other systems. This course makes heavy use of hands-on labs.

Audience

Experienced system administrators and system integrators responsible for designing and implementing vRealize Automation

Prerequisites

This course requires:
Completion of one of the following courses:
• VMware vSphere: Install, Configure, Manage [V6.x], or
• VMware vSphere: Fast Track [V6.x]
Experience working at the command line is helpful.
This course requires that a student be able to perform the following tasks with no assistance or guidance before enrolling in this course:
• Create VMware vCenter Server® objects, such as data centers and folders
• Create a virtual machine using a wizard or a template
• Modify a virtual machine’s hardware
• Migrate a virtual machine with VMware vSphere® vMotion®
• Migrate a virtual machine with VMware vSphere® Storage vMotion®
• Configure and manage a vSphere DRS cluster with resource pools
• Configure and manage a VMware vSphere® High Availability cluster

If you cannot perform all of these tasks, VMware recommends that you complete one of the prerequisite courses before enrolling in VMware vRealize Automation: Install, Configure, Manage.

Why HPE Education Services?
• IDC MarketScape leader 5 years running for IT education and training*
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• Simplified purchase option with HPE Training Credits

*Realize Technology Value with Training, IDC Infographic 2017, Sponsored by HPE, October 2017
**Course objectives**

By the end of the course, you should be able to meet the following objectives:

- Describe the vRealize Automation architecture and use cases in cloud environments
- Manage vRealize Automation entities on VMware and third-party virtual and cloud infrastructures
- Configure and manage cloud accounts, projects, flavor mappings, image mappings, network profiles, storage profiles, volumes, tags, and services
- Create, modify, manage, and deploy blueprints
- Connect to a Kubernetes Cluster and manage images and deployments
- Customize services and virtual machines with cloudConfig
- Configure and manage the Service Broker
- Configure and manage ABX actions, custom properties, event broker subscriptions, and VMware vRealize® Orchestrator™ workflows
- Integrate with vRealize Orchestrator
- Install vRealize Automation with VMware vRealize® Suite Lifecycle Manager™
- Describe cloud automation services (Cloud Assembly™ and Code Stream™).
- Use logs and CLI commands to monitor and troubleshoot vRealize Automation
## Detailed course outline

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Service Broker
- Describe the use case of Service Broker
- Define Service Broker policy enforcement
- Define content source and content sharing
- Use custom forms for catalog items
- Use cloudConfig to install software
- Use cloudConfig to manage the power state
- Use cloudConfig to format disks and mount volumes
- Use cloudConfig to create users
- Use cloudConfig to manage the power state
- Use cloudConfig to format disks and mount volumes
- Use cloudConfig to create users

Customization of Blueprints
- Describe cloudConfig and Cloud-Init
- Create vSphere virtual machine templates that can be used with Cloud-Init
- Use cloudConfig to create users
- Use cloudConfig to customize the hostname
- Use cloudConfig to create users
- Use cloudConfig to customize the hostname
- Use cloudConfig to create users

vRealize Automation Extensibility
- Describe ABX actions
- Set custom properties
- Create event topics
- Create subscriptions
- Create and use workflows
- Integrate vRealize Automation with vRealize Orchestrator

vRealize Automation and Kubernetes
- Describe Kubernetes
- Integrate vRealize Automation with Kubernetes clusters

vRealize Automation Monitoring, Logs, and Troubleshooting
- Describe different vRealize Automation log files
- Troubleshoot vRealize Automation
- Replace a vRealize Automation service pod
- Snapshot the vRealize Automation appliance
- Replace a vRealize Automation service pod
- Snapshot the vRealize Automation appliance

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