



2V0-631

VMware Certified Professional 6 - Cloud Management and Automation

Exam Summary – Syllabus – Questions

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Introduction to 2V0-631 Exam on VMware Certified Professional 6 - Cloud Management and Automation

The VMware 2V0-631 exam preparation guide is designed to provide candidates with necessary information about the VCP6-CMA exam. It includes exam summary, sample questions, practice test, objectives and ways to interpret the exam objectives to enable candidates to assess the types of questions-answers that may be asked during the VMware Certified Professional 6 - Cloud Management and Automation (VCP6-CMA) exam.

It is recommended for all the candidates to refer the 2V0-631 objectives and sample questions provided in this preparation guide. The VMware VCP6-CMA certification is mainly targeted to the candidates who want to build their career in Cloud Management and Automation domain and demonstrate their expertise. We suggest you to use practice exam listed in this cert guide to get used to with exam environment and identify the knowledge areas where you need more work prior to taking the actual VMware Certified Professional 6 - Cloud Management and Automation exam.

VMware 2V0-631 Certification Details:

Exam Name	VMware Certified Professional 6 - Cloud Management and Automation (VCP6-CMA)
Exam Code	2V0-631
Exam Price	\$250 USD
Duration	120 minutes
Number of Questions	85
Passing Score	300 / 500
Recommended Training / Books	VMware vRealize Automation: Install, Configure, Manage [V6.2]
Schedule Exam	<u>PEARSON VUE</u>
Sample Questions	VMware 2V0-631 Sample Questions
Recommended Practice	VMware Certified Professional 6 - Cloud Management and Automation (VCP6-CMA) Practice Test

VMware 2V0-631 Exam Syllabus:

Section	Objectives
Section 1: Install, Configure and Upgrade vRealize Suite Components	
Explain vRealize Suite Editions and Features	<p>Knowledge:</p> <ul style="list-style-type: none"> - Determine available features and third party integrations for different vRealize Suite editions - Differentiate vCloud Air solutions - Describe vRealize Automation/vCloud Air integration options - Explain vRealize Business Standard key capabilities - Describe available vRealize Suite editions - Explain vRealize Application Services functionality - Explain vRealize Orchestrator functionality - Determine the appropriate vRealize Suite edition based on customer requirements <p>Tools:</p> <ul style="list-style-type: none"> - VMware vRealize Suite Getting Started Guide - Foundations and Concepts - vRealize Suite Solution Brochure - VMware vRealize Suite Datasheet
Install and Upgrade vRealize Suite Components	<p>Knowledge:</p> <ul style="list-style-type: none"> - Deploy and configure appliances for distributed vRealize deployment (e.g. SSO, automation, DB) - Install or upgrade IaaS components - Configure default tenant and any additional tenants - Appoint administrators and configure load balancer(s) - Integrate vRealize with external systems - Manage SSL certificates - Resolve deployment and configuration issues - Perform upgrade of vCAC 6.1 to vRealize Automation - Download and install updates to vRealize component appliances <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Installation and Configuration Guide - Upgrading to vRealize from vCAC 6.1
Configure and Administer vCloud Connector	<p>Knowledge:</p> <ul style="list-style-type: none"> - Explain the components and configure vCloud Connector - Explain vApp copy process - Determine virtual machine state - Describe necessary configuration for Data Center Extension - Differentiate between functionality of components of vCloud Connector - Implement required network and security settings - Determine storage requirements and add storage for vCloud Connector node

Section	Objectives
	<ul style="list-style-type: none"> - Register vCloud Connector UI with vCenter Server - Register vCloud Networking and Security Manager with the vCloud Connector server - Troubleshoot common vCloud Connector installation and operations issues - Create a vCloud Connector Content Library - Publish vSphere folders and vCloud catalogs to a vCloud Connector Content Library - Subscribe/unsubscribe to a published folder or catalog - Stretch deploy a virtual machine or vApp using Data Center Extension <p>Tools:</p> <ul style="list-style-type: none"> - Installing and Configuring vCloud Connector - Using vCloud Connector - vRealize Automation Installation and Configuration Guide - vSphere Client and Web Client - vCloud Connector vSphere Client Plug-In - vCloud Connector Web UI - vRealize Automation Web Console
Configure vRealize Automation Settings	<p>Knowledge:</p> <ul style="list-style-type: none"> - Configure vRealize system settings to handle system notifications and appearance - Enable connections and set concurrency limits on IaaS server - Configure datacenter locations <p>Tools:</p> <ul style="list-style-type: none"> - Configuring vRealize Automation
Integrate vRealize Automation with vCloud Air	<p>Knowledge:</p> <ul style="list-style-type: none"> - Provision with vCloud Air or vCloud Director vApps - Configure IaaS for vApps - Create vApp and vApp component blueprints - Configure advanced blueprint settings - Monitor workflows and logs - Manage machine life cycle and workflow states - Configure an endpoint in vRealize Automation - Configure vCloud Air OnDemand and Subscription endpoints - Synchronize environment data from vCloud Air - Deploy virtual machines <p>Tools:</p> <ul style="list-style-type: none"> - IaaS Configuration for Cloud Platforms - IaaS Configuration for vCloud Air and vCloud Director
Section 2: Administer vRealize Automation Users, Roles and Privileges	

Section	Objectives
Create Roles and Apply Privileges to Roles	<p>Knowledge:</p> <ul style="list-style-type: none"> - Configure system-wide roles and responsibilities - Assign user roles within tenants - Configure tenant roles and responsibilities - Add identity stores - Appoint tenant administrators <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Foundations and Concepts - vRealize Automation Installation and Configuration - Tenant Administration
Configure AD/LDAP Integration	<p>Knowledge:</p> <ul style="list-style-type: none"> - Configure identity stores - Associate an identity store with a tenant - Configure a native Active Directory identity store <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Installation and Configuration
Section 3: Create and Administer Cloud Networking	
Explain NSX Integration with vRealize Automation	<p>Knowledge:</p> <ul style="list-style-type: none"> - Manage network services with vRealize Automation - Configure NSX integration - Configure IaaS for network integration <p>Tools:</p> <ul style="list-style-type: none"> - IaaS Integration for Multi-Machine Services - NSX Administration Guide - vCloud Automation Center Web Console - vSphere Web Client
Configure and Manage vRealize Automation Networking	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe the available NSX for vSphere Edge network services - Configure DHCP/NAT/VPN/Load balancer - Sub-allocate IP pools - Add static IP addresses - Configure syslog - Configure multi-machine blueprints for network virtualization - Identify the NSX Distributed Firewall components - Use logs to troubleshoot common network service issues <p>Tools:</p> <ul style="list-style-type: none"> - NSX Administration Guide - IaaS Integration for Multi-Machine Services

Section	Objectives
	<ul style="list-style-type: none"> - vCloud Automation Center Web Console - vSphere Web Client
Section 4: Configure and Administer Tenants and Business Groups	
Create and Manage Business Groups	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe specific privilege levels for different business group roles - Manage user roles (e.g. business group manager and support) - Assign Active Directory users and groups to business group roles - Create and manage machine prefixes - Identify and configure custom properties <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Foundations and Concepts - vRealize Automation Tenant Administration - Cloud Properties Reference - vCloud Automation Center Web Console
Create and Manage Tenants	<p>Knowledge:</p> <ul style="list-style-type: none"> - Configure branding for the vRealize Automation console - Add and configure tenant-specific inbound and outbound email notifications - Override/revert to system default email servers - Identify and add identity stores in vRealize Automation - Create and assign user roles to an identity store group <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Tenant Administration - vRealize Automation Web Console - vSphere Client and Web Client
Section 5: Allocate and Manage vRealize Automation Resources	
Create and Manage Fabric Groups	<p>Knowledge:</p> <ul style="list-style-type: none"> - Add and configure endpoints for vSphere and vRealize Automation - Map compute resources to endpoints - Assign correct permissions to manage fabric groups - Collect compute resource data - Monitor resources <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Foundations and Concepts - IaaS Configuration for Virtual Platforms - vRealize Automation Web Console - vSphere Client and Web Client

Section	Objectives
Create and Manage Reservations	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create and manage reservations - Specify reservation information - Select a reservation for a cloud based virtual machine - Create an endpoint to reserve physical machine resources - Determine where reservations have been over allocated - Troubleshoot reservation over-allocation <p>Tools:</p> <ul style="list-style-type: none"> - System Administration - IaaS Configuration for Virtual Platforms - IaaS Configuration for Cloud Platforms - vRealize Automation Web Console
Create and Manage Reservation Policies	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create, configure, and assign one or more reservations to a reservation policy - Create, configure, and assign a reservation policy to one or more blueprints - Create and assign a storage reservation policy <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation System Administration - IaaS Configuration for Virtual Platforms - IaaS Configuration for Cloud Platforms - vRealize Automation Web Console
Section 6: Create and Administer vRealize Automation Components	
Create and Manage Machine/Multi-Machine Blueprints	<p>Knowledge:</p> <ul style="list-style-type: none"> - Explain different blueprint machine types - Explain different blueprint provisioning types - Explain different blueprint actions - Explain run time property precedents - Create single and/or multi-machine blueprints - Create a build profile - Configure appropriate blueprint security - Configure approvals for a blueprint - Given a scenario, determine the appropriate custom properties for the blueprint or build profile <p>Tools:</p> <ul style="list-style-type: none"> - System Administration - IaaS Configuration for Virtual Platforms - IaaS Configuration for Cloud Platforms - vRealize Automation Web Console
Create and Manage Service Catalog Items	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create services, actions, entitlements and approval policies

Section	Objectives
	<ul style="list-style-type: none"> - Configure catalog items and actions - Understand the implications of activating and inactivating entitlements <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Foundations and Concepts - vRealize Automation Tenant Administration - vRealize Automation Web Console
Create and Manage Service Catalog Blueprints	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create and edit service blueprints - Add new service blueprint forms and define appearance of catalog item details - Determine roles required to create and manage service blueprints - Publish a service blueprint as a catalog item <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Advanced Service Design - vRealize Automation Web Console
Create and Manage a Property Dictionary	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe functions of property definitions - Create and manage property definitions and layouts - Determine rights required to use property definitions and layouts <p>Tools:</p> <ul style="list-style-type: none"> - Cloud Properties Reference - vRealize Automation Web Console
Create and Manage Build Profiles	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create and modify a build profile - Create and modify a property set - Add property sets to a build profile <p>Tools:</p> <ul style="list-style-type: none"> - IaaS Configuration for Virtual Platforms - vRealize Automation Web Console
Create Custom Services using Advanced Service Designer	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe vRealize Automation API extensibility options - Create and manage custom services and service blueprints - Describe tools and features for vRealize Automation extensions <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Advanced Service Design

Section	Objectives
	<ul style="list-style-type: none"> - vRealize Automation Machine Extensibility - vRealize Automation Web Console - CloudUtil
Section 7: Monitor and Troubleshoot a vRealize Automation Implementation	
Perform Basic vRealize Automation Troubleshooting	<p>Knowledge:</p> <ul style="list-style-type: none"> - Troubleshoot login issues - Troubleshoot installation and upgrade issues - Identify log file locations <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Installation and Configuration - vRealize Automation Web Console - vSphere Web Client
Audit vRealize Automation Resources and Events	<p>Knowledge:</p> <ul style="list-style-type: none"> - Provide status details of managed virtual machines - Determine status and history of workflows - Identify event attributes - Show display status <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Suite Log Locations - vRealize Automation System Administration - IaaS Configuration for Virtual Platforms - IaaS Configuration for Cloud Platforms - IaaS Configuration for vCloud Air and vCloud Director - IaaS Integration for Multi-Machine Services - IaaS Configuration for Physical Machines
Map vRealize Automation Resources to vSphere Resources	<p>Knowledge:</p> <ul style="list-style-type: none"> - Create resource mappings - Create and publish a resource action - Associate icons to actions <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Using Application Services - vRealize Automation Using Application Library Services
Section 8: Configure and Administer vRealize Orchestrator	
Create and Modify Basic Orchestrator Workflows	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe Orchestrator workflows for converting virtual machines between Orchestrator and IaaS - Describe different Orchestrator workflow types - Create and manage Orchestrator endpoints to run workflows - Use an Orchestrator workflow from an IaaS workflow - Import Orchestrator workflows into vRealize Automation - Configure the default workflow folder for a tenant

Section	Objectives
	<ul style="list-style-type: none"> - Create and publish Orchestrator workflows as catalog items in a service blueprint <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Machine Extensibility - Using the VMware vRealize Orchestrator Client - vRealize Automation Advanced Service Design - vRealize Automation Web Console
Integrate vRealize Orchestrator with vRealize Automation Center	<p>Knowledge:</p> <ul style="list-style-type: none"> - Provision and modify custom resources - Configure vRealize Automation to use external vRealize Orchestrator server - Configure service endpoints <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Automation Machine Extensibility - vRealize Automation Advanced Service Design
Section 9: Configure and Administer vRealize Business Standard	
Install and Configure vRealize Business Standard Appliance	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe system requirements - Configure and access vRealize Business Standard with vRealize Automation - Deploy vRealize Business Standard in vCloud Director and/or vSphere <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Business Standard Installation and Administration Guide
Perform Basic Configuration of vRealize Business Standard Environment	<p>Knowledge:</p> <ul style="list-style-type: none"> - Manage connections from other VMware technologies such as vCenter Server, vCloud and SRM - Manage connections and public cloud user accounts - Update the reference database - Calculate hardware cost depreciation <p>Tools:</p> <ul style="list-style-type: none"> - vRealize Business Standard Installation and Administration Guide - vRealize Business Standard User's Guide
Section 10: Configure and Administer vRealize Application Services	
Install and Configure vRealize Application Services Appliance	<p>Knowledge:</p> <ul style="list-style-type: none"> - Enable Application Services to use a proxy - Register Application Services to vRealize Automation - Setup application provisioning

Section	Objectives
	<ul style="list-style-type: none"> - Manage the Application Services library - Create, deploy and update applications - Troubleshoot connection issues to Application Services <p>Tools:</p> <ul style="list-style-type: none"> - Using Application Services - Using Application Services Library Services - Application Services Troubleshooting - vRealize Automation Web Console
Create Basic Application Blueprints	<p>Knowledge:</p> <ul style="list-style-type: none"> - Describe Application Services privilege prerequisites for creating application blueprints - Create and modify applications and application versions - Determine application and application version requirements for creating application blueprints - Model and create application blueprints - Modify and manage existing application blueprints <p>Tools:</p> <ul style="list-style-type: none"> - Using Application Services - vRealize Automation Web Console

2V0-631 Sample Questions:

01. An IaaS administrator organizes compute resources into which option?

- a) A Fabric Group
- b) A Cluster
- c) A Reservation
- d) A Compute Policy

02. Which system wide role is responsible for managing Amazon AWS instance types?

- a) System Administrator
- b) Tenant Administrator
- c) IaaS Administrator
- d) Fabric Administrator

03. The Goal Navigator assists administrators in which two ways?

- a) Lists all the steps to complete the tasks.
- b) Lists all the prerequisites to complete the task.
- c) Validates that a task has been successfully completed.
- d) Provides details on how to complete the forms for a task.

04. An administrator needs to limit CPU resources for a vRealize Automation Business Group. What should the administrator do?

- a) Create a Reservation and specify CPU limits in the This Reservation field.
- b) Create a Reservation and specify a Reservation Policy that limits CPU utilization.
- c) Create a Reservation that includes a vSphere Resource Pool that limits CPU utilization.
- d) Create a Reservation that enables Alerts based on CPU utilization.

05. When vRealize Automation provisions a vSphere virtual machine from a Blueprint, how is the selection of storage paths prioritized?

- a) The storage path with the highest priority number is selected for provisioning.
- b) Storage paths are ordered by priority number (lowest to highest) before considering the space available.
- c) Storage paths with sufficient space available are considered; then the highest priority number is selected.
- d) Storage paths with sufficient space available are considered; then the lowest priority number is selected.

06. What is a prerequisite for system administrators being able to add tenant administrators?

- a) The configuration of Identity Stores.
- b) The installation of IaaS.
- c) The creation of an IaaS administrator.
- d) The creation of an Infrastructure administrator.

07. After an upgrade, in what order must vRealize Automation appliances be joined to the cluster?

- a) Join virtual appliances to a cluster in the reverse order from which you shut them down before upgrading.
- b) Join virtual appliances to a cluster in the same order from which you shut them down before upgrading.
- c) Join virtual appliances to a cluster in any order from which you shut them down before upgrading.
- d) Join virtual appliances to a cluster in numerical order (by name) from which you shut them down before upgrading.

08. Which VMware NSX for vSphere components can be created on demand using vRealize Automation?

- a) The Logical Switch
- b) The Distributed Router appliance
- c) The Distributed Firewall appliance
- d) The NSX Edge Services Gateway appliance

09. An Administrator needs to sync templates from one vCenter Server to another vCenter Server in a different physical datacenter. Which product allows for this functionality?

- a) vSphere Update Manager
- b) NSX-v
- c) vCloud Director
- d) vCloud Connector

10. What component does the IaaS administrator create that allows vRealize Automation to communicate with Cloud Providers and infrastructure resources?

- a) Blueprint
- b) Endpoint
- c) Connector
- d) DEM Worker

Answers to 2V0-631 Exam Questions:

Question: 01 Answer: a	Question: 02 Answer: c	Question: 03 Answer: a, b	Question: 04 Answer: c	Question: 05 Answer: b
Question: 06 Answer: a	Question: 07 Answer: a	Question: 08 Answer: a, d	Question: 09 Answer: d	Question: 10 Answer: b

Note: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@vmexam.com