

### Exam Preparation Guide

Last Updated: Thursday, August 23, 2018



#### Exam Details

The Advanced Deploy vRealize Automation 7.3 Exam 2018 (3V0-31.18) which leads to VMware Certified Advanced Professional – Cloud Management and Automation Deploy 2018 certification is a 24-item exam, with a passing score of 300 using a scaled method. Candidates are given a time of 205 minutes, with an automatic 30-minute time extension for non-native English speakers to complete the exam.

#### Exam Delivery

This is a lab-based proctored exam delivered at Pearson VUE testing centers, world-wide. For more information, visit the [Pearson VUE website](#).

#### Certification Information

Achieving VMware Certified Advanced Professional- Cloud Management and Automation Deploy 2018 certification:

Path if you hold no VCAP certifications:

1. Earn the VCP7-CMA
2. (Recommend) Attend the VMware Cloud Automation: Design and Deploy [V7.1] training course
3. Pass the Advanced Deploy vRealize Automation 7.3 Exam 2018 (3V0-31.18)

Path if you hold a VCP6-CMA:

1. Earn the VCP7-CMA
2. (Recommend) Attend the VMware Cloud Automation: Design and Deploy [V7.1] training course
3. Pass the Advanced Deploy vRealize Automation 7.3 Exam 2018 (3V0-31.18)

Path if you hold any version of VCAP-CMA:

1. Attend the VMware Cloud Automation: Design and Deploy [V7.1] training course
2. Pass the Advanced Deploy vRealize Automation 7.3 Exam 2018 (3V0-31.18)

Path if you hold a VCP or VCAP in a different track:

1. Earn the VCP7-CMA
2. (Recommend) Attend the VMware Cloud Automation: Design and Deploy [V7.1] training course
3. Pass the Advanced Deploy vRealize Automation 7.3 Exam 2018 (3V0-31.18)

For more details and a complete list of requirements and recommendations for certification attainment, please reference the [VMware Education Services – Certification website](#).

### Product Affiliation

This badge and associated requirements cover vRealize Automation 7.3.

### Training Affiliation

The [VMware Cloud Automation: Design and Deploy \[V7.1\]](#) is strongly recommended preparatory training, though not required.

### Minimally Qualified Candidate

The Minimally Qualified Candidate (MQC) achieving the VMware Certified Advanced Professional — Cloud Management and Automation Deploy 2018 certification has professional-level knowledge of VMware vSphere and VMware NSX for vSphere and advanced knowledge of cloud administration using vRealize Suite, including—but not limited to—VMware vRealize Automation (vRA), VMware vRealize Business for Cloud, and VMware vRealize Orchestrator (vRO). The candidate also has 5+ years of general IT experience with a minimum of 12-24 months experience with vRealize Suite in a production environment. The candidate possesses advanced knowledge of administering cloud environments and components, enabling them to deploy VMware solutions to meet specific goals and requirements. The candidate has obtained a valid VMware Certified Professional – Cloud Management and Automation level certification prior to attempting this certification.

### Exam Sections (Not all sections will be tested on the exam)

#### Section 1. Blueprints

Objective 1.1 – Create a blueprint for a given multi-tier application

Objective 1.2 – Modify an existing blueprint to provision new network(s)

Objective 1.3 – Import/export blueprints

Objective 1.4 – Create and manage property definitions/groups and component profiles

Objective 1.5 – Consume NSX components of a complex blueprint

Objective 1.6 – Apply business-aligned pricing to a blueprint

#### Section 2. Resource Management

Objective 2.1 – Create and manage multiple endpoints

Objective 2.2 – Create and manage storage profiles

Objective 2.3 – Configure vRealize Automation to consume NSX resources

## Section 3. Approval and Governance

Objective 3.1 – Manage multiple reservations to meet business needs

Objective 3.2 – Implement a governance model that maps to given business needs

Objective 3.3 – Configure notifications to allow approvers to respond via email

## Section 4. Troubleshooting

Objective 4.1 – Troubleshoot infrastructure issues

Objective 4.2 – Troubleshoot tenant operations

Objective 4.3 – Troubleshoot provisioning issues

## Section 5. Extensibility

Objective 5.1 – Create and test extensibility functions through vRealize Orchestrator

Objective 5.2 – Use the Event Broker to extend vRA processes

Objective 5.3 – Enable consumption of XaaS

## Section 6. Tenant Administration

Objective 6.1 – Manage authentication configuration to meet business requirements

Objective 6.2 – Add additional tenants and/or business groups to existing ones

## Section 7. Deployment Architecture

Objective 7.1 – Scale vRealize Automation components to a highly-available configuration

Objective 7.2 – Integrate vRealize Business with vRealize Automation

## Section 8. Security

Objective 8.1 – Renew, and/or replace security certificates on distributed vRealize

Automation components

Objective 8.2 – Secure a vRealize Automation deployment in accordance with the VMware hardening guide

## Resources:

VMware vRealize Automation

Prepare a Linux Reference Machine to Support Software

Add an On-Demand Load Balancer Component

Add an Existing Security Group Component

Add an On-Demand NAT or On-Demand Routed Network Component

Exporting and Importing Blueprints and Content

VMware vSphere

VMware vRealize Business for Cloud

Add a vRealize Automation Host

Add an IaaS Host

Assign a Storage Reservation Policy to a Datastore

Create a Storage Reservation Policy

Create an NSX Endpoint and Associate to a vSphere Endpoint

Create a Business Group

Specify Virtual Reservation Information

Specify Resource and Networking Settings for a Virtual Reservation

Approval Policy Settings

Configure Notifications

Create a Global Outbound Email Server

Create a Global Inbound Email Server

Installing and Configuring the Proxy Agent for vSphere

Machine Requests Fail When Remote Transactions Are Disabled

Create a Fabric Group

vRealize Automation Deployment

Add Users or Groups to an Active Directory Connection

Create an Approval Level

Developing with VMware vRealize Orchestrator

Using the vRealize Automation Plug-In

Using the vCenter Plug-In

vRealize Automation Extensibility Migration Guide

Life Cycle Extensibility

XaaS Blueprints

XaaS Blueprints and Resource Actions

Choosing Directories Management Configuration Options

Configuring Groups and User Roles

Appoint Administrators

Create Additional Tenants

Installing or Upgrading vRealize Automation

Install the vSphere Agent

Add Another vRealize Automation Appliance to the Cluster

Secure Configuration Guide

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