Oracle Cloud Infrastructure (OCI) 2019 Cloud Operations Associate exam (1Z0-1067) Study Guide

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Introduction

The Oracle Cloud Infrastructure (OCI) 2019 Cloud Operations Associate exam (1Z0-1067) exam is designed for individuals who possess a strong foundation knowledge in managing and operating infrastructure using Oracle Cloud Infrastructure services. This certification validates understanding of OCI services to control and operate infrastructure, such as but not limited to: monitoring, automation, cost control, data retention and security control. This certification is available to all professionals.

Target Audience

An Operations Administrator:

- is responsible for ongoing support and management of solutions deployed in the cloud
- has a strong understanding of cloud computing concepts
- knows all components of OCI
- builds a highly resilient infrastructure in cloud
- translates on-premises operations to a typical cloud based infrastructure.

Certification Details

- **Certification Name:** 1Z0-1067 - Oracle Cloud Infrastructure 2019 Cloud Operations Associate
- **Target Audience:** Professionals responsible for managing Oracle Cloud Infrastructure services
- **Platform:** Available on Oracle University and delivered via Pearson VUE
- **Exam Duration:** 105 minutes
- **Exam Cost:** $245 (25% discount on this list price if you are OPN (Oracle Partner Network) and have the OPN number with you while registering for the exam)
- **Passing Score:** 70%

Certification Benefits

- Stand out amongst world-wide cloud professionals by establishing industry capability in world-class technology!
- Validate your skills and knowledge on how to create infrastructure solutions using Oracle Cloud Infrastructure Services.
- Secure a digital badge for your social media profile to demonstrate your credibility in the industry. (https://www.youracclaim.com/org/oracle/badge/oracle-cloud-infrastructure-2019-cloud-operations-associate)

Exam Topics

This exam is revised regularly to align with training and service release updates. The following table lists the exam objectives, followed by concepts that may be tested in this section.

#	Objective	Concepts possibly tested in section
1	**Automating Cloud Tasks**	
1.1	Use the OCI CLI to simplify repetitive tasks	Understand and implement automation of OCI services using Terraform.
1.2	Utilize configuration management tools to control infrastructure	
1.3	Manage infrastructure as code	
1.4	Explain user resource manager processes to implement infrastructure as code	
2	**Performance Tuning and Troubleshooting**	
2.1	Explain Troubleshooting resource availability and accessibility	Getting alerts for issues and validating problem, with being able to implement a fix.
2.2	Validate OCI performance	
3	**Managing Cost**	

3.1	Utilize billing tags to track cost	Using cost management and automating the control of account spend with tags, and email notification.
3.2	Explain how to Implement billing alerts	
3.3	Leverage automation to control cost	
4	**Security and Compliance**	
4.1	Create secure access control policies	Understand and implement Identity an Access management. Deploy security throughout OCI.
4.2	Leverage compartments for resource isolation	
4.3	Audit cloud access	
5	**Monitoring and Alerting**	
5.1	Understand Metric Query Language (MQL)	Using alarms and alerts to increase visibility into OCI services.
5.2	Create and managing alarms	
5.3	Implement automated notifications	
6	**Data Retention and Archival**	
6.1	Use Object Storage Lifecycle policies for tiered data storage	Using your skills and understanding of object storage, and block volumes to achieve correct RTO and RPO.
6.2	Manage automated block storage and database backups	
6.3	Implement cross-region data copy strategies	
7	**Designing for cloud-scale agility**	
7.1	Utilize edge services for automated failover / recovery	Create an environment that will be resilient.
7.2	Implement hybrid network environments	

Exam Preparation

To successfully prepare for the 1Z0-1067 - Oracle Cloud Operations Associate 2019 exam certification, it is recommended that you have a minimum of 6 months of hands-on job or industry experience in managing or implementing cloud infrastructures (preferably an Oracle Cloud Infrastructure (OCI) tenancy). If you are unable to obtain hands-on experience, it is strongly recommended that you get as much practice as possible in labs or test environments. We also highly recommend that you become familiar with the content covered below.

Oracle Cloud Infrastructure (OCI) training is frequently updated to reflect the OCI services. We recommend that you reference the latest documentation to ensure that you have the latest information about the services.

Here is the recommended learning path for an individual to successfully prepare for the OCI Cloud Operations Associate certification:

I. Take OCI Cloud operations training

II. Take OCI foundational training (1-day virtual instructor led) or watch the recorded videos found at oracle.com –
OCI Level 100 – Foundations Training

III. **Optional** – to solidify your OCI knowledge, you can take the OCI advanced training (1-day virtual instructor led) or watch the recorded videos found on oracle.com – OCI Level 200 – Advanced Training

IV. Review existing technical white papers available here:
https://docs.cloud.oracle.com/iaas/Content/General/Reference/aqswhitepapers.htm

V. Review OCI Documentation:
https://docs.cloud.oracle.com/iaas/Content/home.htm

VI. Review OCI blog posts
https://blogs.oracle.com/cloud-infrastructure/

Exam Registration Process

Ensure you have a login for Oracle exams delivered through Pearson VUE. To create a login, go to http://www.pearsonvue.com/oracle.

To register for the certification exam:

- Go to http://www.pearsonvue.com/oracle.
- Select **Sign In** under Oracle on top right.
- Use your Pearson VUE account to log in.
    - Do not create a new account if you cannot remember your old account information; use the Forgot my username or Forgot my password links to recover your information. Creating a new account can create logic issues resulting in certification information not being processed correctly.
- Select **Proctored Exam**.
- Type **1Z0-1067: Oracle Cloud Infrastructure 2019 Cloud Operations Associate** and select **Go**.
- Select how you want to take the exam and follow the prompts

When you are ready to take your exam, please register with Pearson VUE (http://www.pearsonvue.com/oracle). Note that it can take multiple weeks to sit for an exam, so be certain that you register for the exam multiple weeks prior to when you plan to take the exam.

Additionally, you can also take the exam in the comfort of your own home. Please visit here (http://www.pearsonvue.com/oracle/op) for more information. Read through this site completely as there are many steps which need to be completed prior to the exam delivery. You will also need Adobe Air installed; you can get the latest version by clicking here (https://get.adobe.com/air/).

Additionally, some security software programs like Antivirus or Internet Security software can disrupt exam delivery and may need to be temporarily disabled.

Periodically, Oracle offers testing opportunities connected to some of our training events. These tests are delivered using a laptop that you bring. Please verify that the laptop you bring meets the requirements posted here (http://pearsonvue.com/oracle/ap/proctor.asp), under **Verify System Requirements → System Requirements**).

Exam Score

After you have taken your exam, you can view your results by visiting CertView: https://brm-certview.oracle.com/pls/certview/ocp_interface.home

Oracle Certification Program Candidate Agreement

In order to take your Oracle certification, you will need to agree to the Oracle Certification Program Candidate Agreement. Please review this document by going here:
http://education.oracle.com/education/pdf/ocp_candidate_agreement.pdf

Oracle Certification Program Guidelines

Learn more about Oracle Certification policies by going here:
https://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=138

PLEASE NOTE: As Oracle Cloud Infrastructure content is continually being updated, the Oracle Cloud Infrastructure (OCI) 2019 Cloud Operations Associate exam (1Z0-1067) is continually being updated as well. No announcement or communications are sent regarding the exam update and it is up to you, the exam candidate, to check the exam information page: https://education.oracle.com/product/pexam_1Z0-1067

BE AWARE: The use of any non-Oracle approved testing material, including copies of test questions (known as "brain-dumps" or "dumps") are not allowed (see https://blogs.oracle.com/certification/using-braindumps-is-cheating) and can lead to the invalidation of your exam score. Please review the Oracle Certification Candidate Agreement for more information.

Please contact the OCI Enablement Team (oci-enablement_us_grp@oracle.com) with any questions.