Google GCP-ACE

GOOGLE ASSOCIATE CLOUD ENGINEER CERTIFICATION QUESTIONS & ANSWERS

Exam Summary – Syllabus – Questions

GCP-ACE

Google Cloud Platform - Associate Cloud Engineer (GCP-ACE)
50-60 Questions Exam – 70% Cut Score – Duration of 120 minutes

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Know Your GCP-ACE Certification Well:

The GCP-ACE is best suitable for candidates who want to gain knowledge in the Google Associate. Before you start your GCP-ACE preparation you may struggle to get all the crucial Associate Cloud Engineer materials like GCP-ACE syllabus, sample questions, study guide.

But don't worry the GCP-ACE PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-

- What is in the GCP-ACE syllabus?
- How many questions are there in the GCP-ACE exam?
- Which Practice test would help me to pass the GCP-ACE exam at the first attempt?

Passing the GCP-ACE exam makes you Google Cloud Platform - Associate Cloud Engineer (GCP-ACE). Having the Associate Cloud Engineer certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Google GCP-ACE Associate Cloud Engineer Certification Details:

Exam Name	Google Associate Cloud Engineer
Exam Code	GCP-ACE
Exam Price	$125 USD
Duration	120 minutes
Number of Questions	50-60
Passing Score	Pass / Fail (Approx 70%)
Recommended Training / Books	**Google Cloud training** **Google Cloud documentation** **Google Cloud solutions**
Schedule Exam	**PEARSON VUE**
Sample Questions	**Google GCP-ACE Sample Questions**
Recommended Practice	**Google Cloud Platform – Associate Cloud Engineer (GCP-ACE) Practice Test**

GCP-ACE Syllabus:

Section	Objectives
Setting up a cloud solution environment	1. Setting up cloud projects and accounts. Activities include: • Creating a resource hierarchy • Applying organizational policies to the resource hierarchy • Granting members IAM roles within a project • Managing users and groups in Cloud Identity (manually and automated) • Enabling APIs within projects • Provisioning and setting up products in Google Cloud's operations suite 2. Managing billing configuration. Activities include: • Creating one or more billing accounts • Linking projects to a billing account • Establishing billing budgets and alerts • Setting up billing exports 3. Installing and configuring the command line interface (CLI), specifically the Cloud SDK (e.g., setting the default project).
Planning and configuring a cloud solution	1. Planning and estimating Google Cloud product use using the Pricing Calculator 2. Planning and configuring compute resources. Considerations include: • Selecting appropriate compute choices for a given workload (e.g., Compute Engine, Google Kubernetes Engine, Cloud Run, Cloud Functions) • Using preemptible VMs and custom machine types as appropriate 3. Planning and configuring data storage options. Considerations include: • Product choice (e.g., Cloud SQL, BigQuery, Firestore, Cloud Spanner, Cloud Bigtable) • Choosing storage options (e.g., Zonal persistent disk, Regional balanced persistent disk, Standard, Nearline, Coldline, Archive) 4. Planning and configuring network resources. Tasks include: • Differentiating load balancing options • Identifying resource locations in a network for availability • Configuring Cloud DNS

Section	Objectives
Deploying and implementing a cloud solution	1. Deploying and implementing Compute Engine resources. Tasks include: • Launching a compute instance using the Google Cloud Console and Cloud SDK (gcloud) (e.g., assign disks, availability policy, SSH keys) • Creating an autoscaled managed instance group using an instance template • Generating/uploading a custom SSH key for instances • Installing and configuring the Cloud Monitoring and Logging Agent • Assessing compute quotas and requesting increases 2. Deploying and implementing Google Kubernetes Engine resources. Tasks include: • Installing and configuring the command line interface (CLI) for Kubernetes (kubectl) • Deploying a Google Kubernetes Engine cluster with different configurations including Autopilot, regional clusters, private clusters, etc. • Deploying a containerized application to Google Kubernetes Engine • Configuring Google Kubernetes Engine monitoring and logging 3. Deploying and implementing Cloud Run and Cloud Functions resources. Tasks include, where applicable: • Deploying an application and updating scaling configuration, versions, and traffic splitting • Deploying an application that receives Google Cloud events (e.g., Pub/Sub events, Cloud Storage object change notification events) 4. Deploying and implementing data solutions. Tasks include: • Initializing data systems with products (e.g., Cloud SQL, Firestore, BigQuery, Cloud Spanner, Pub/Sub, Cloud Bigtable, Dataproc, Dataflow, Cloud Storage) • Loading data (e.g., command line upload, API transfer, import/export, load data from Cloud Storage, streaming data to Pub/Sub) 5. Deploying and implementing networking resources. Tasks include: • Creating a VPC with subnets (e.g., custom-mode VPC, shared VPC) • Launching a Compute Engine instance with custom network configuration (e.g., internal-only IP address,

Section	Objectives
	Google private access, static external and private IP address, network tags)
	• Creating ingress and egress firewall rules for a VPC (e.g., IP subnets, network tags, service accounts)
	• Creating a VPN between a Google VPC and an external network using Cloud VPN
	• Creating a load balancer to distribute application network traffic to an application (e.g., Global HTTP(S) load balancer, Global SSL Proxy load balancer, Global TCP Proxy load balancer, regional network load balancer, regional internal load balancer)
	6. Deploying a solution using Cloud Marketplace. Tasks include:
	• Browsing the Cloud Marketplace catalog and viewing solution details
	• Deploying a Cloud Marketplace solution
	7. Implementing resources via infrastructure as code. Tasks include:
	• Building infrastructure via Cloud Foundation Toolkit templates and implementing best practices
	• Installing and configuring Config Connector in Google Kubernetes Engine to create, update, delete, and secure resources
Ensuring successful operation of a cloud solution	1. Managing Compute Engine resources. Tasks include:
	• Managing a single VM instance (e.g., start, stop, edit configuration, or delete an instance)
	• Remotely connecting to the instance
	• Attaching a GPU to a new instance and installing necessary dependencies
	• Viewing current running VM inventory (instance IDs, details)
	• Working with snapshots (e.g., create a snapshot from a VM, view snapshots, delete a snapshot)
	• Working with images (e.g., create an image from a VM or a snapshot, view images, delete an image)
	• Working with instance groups (e.g., set autoscaling parameters, assign instance template, create an instance template, remove instance group)
	• Working with management interfaces (e.g., Google Cloud Console, Cloud Shell, Cloud SDK)
	2. Managing Google Kubernetes Engine resources. Tasks include:

Section	Objectives
	• Viewing current running cluster inventory (nodes, pods, services)
	• Browsing Docker images and viewing their details in the Artifact Registry
	• Working with node pools (e.g., add, edit, or remove a node pool)
	• Working with pods (e.g., add, edit, or remove pods)
	• Working with services (e.g., add, edit, or remove a service)
	• Working with stateful applications (e.g. persistent volumes, stateful sets)
	• Managing Horizontal and Vertical autoscaling configurations
	• Working with management interfaces (e.g., Google Cloud Console, Cloud Shell, Cloud SDK, kubectl)
	3. Managing Cloud Run resources. Tasks include:
	• Adjusting application traffic-splitting parameters
	• Setting scaling parameters for autoscaling instances
	• Determining whether to run Cloud Run (fully managed) or Cloud Run for Anthos
	4. Managing storage and database solutions. Tasks include:
	• Managing and securing objects in and between Cloud Storage buckets
	• Setting object life cycle management policies for Cloud Storage buckets
	• Executing queries to retrieve data from data instances (e.g., Cloud SQL, BigQuery, Cloud Spanner, Datastore, Cloud Bigtable)
	• Estimating costs of data storage resources
	• Backing up and restoring database instances (e.g., Cloud SQL, Datastore)
	• Reviewing job status in Dataproc, Dataflow, or BigQuery
	5. Managing networking resources. Tasks include:
	• Adding a subnet to an existing VPC
	• Expanding a subnet to have more IP addresses
	• Reserving static external or internal IP addresses
	• Working with CloudDNS, CloudNAT, Load Balancers and firewall rules
	6. Monitoring and logging. Tasks include:
	• Creating Cloud Monitoring alerts based on resource metrics

Section	Objectives
	• Creating and ingesting Cloud Monitoring custom metrics (e.g., from applications or logs) • Configuring log sinks to export logs to external systems (e.g., on-premises or BigQuery) • Configuring log routers • Viewing and filtering logs in Cloud Logging • Viewing specific log message details in Cloud Logging • Using cloud diagnostics to research an application issue (e.g., viewing Cloud Trace data, using Cloud Debug to view an application point-in-time) • Viewing Google Cloud status
Configuring access and security	1. Managing identity and access management (IAM). Tasks include: • Viewing IAM policies • Creating IAM policies • Managing the various role types and defining custom IAM roles (e.g., primitive, predefined and custom) 2. Managing service accounts. Tasks include: • Creating service accounts • Using service accounts in IAM policies with minimum permissions • Assigning service accounts to resources • Managing IAM of a service account • Managing service account impersonation • Creating and managing short-lived service account credentials 3. Viewing audit logs

Google GCP-ACE Sample Questions:

You need to verify the assigned permissions in a custom IAM role. What should you do?

    a) Use the GCP Console, IAM section to view the information.
    b) Use the "gcloud init" command to view the information.
    c) Use the GCP Console, Security section to view the information.
    d) Use the GCP Console, API section to view the information.

Answer: a

Question: 2

You created an update for your application on App Engine. You want to deploy the update without impacting your users.

You want to be able to roll back as quickly as possible if it fails. What should you do?

a) Delete the current version of your application. Deploy the update using the same version identifier as the deleted version.
b) Notify your users of an upcoming maintenance window. Deploy the update in that maintenance window.
c) Deploy the update as the same version that is currently running.
d) Deploy the update as a new version. Migrate traffic from the current version to the new version.

Answer: d

Question: 3

You are a project owner and need your co-worker to deploy a new version of your application to App Engine. You want to follow Google's recommended practices.

Which IAM roles should you grant your co-worker?

a) Project Editor
b) App Engine Service Admin
c) App Engine Deployer
d) App Engine Code Viewer

Answer: c

Question: 4

You are creating a Kubernetes Engine cluster to deploy multiple pods inside the cluster. All container logs must be stored in BigQuery for later analysis. You want to follow Google-recommended practices.

Which two approaches can you take?

a) Turn on Stackdriver Logging during the Kubernetes Engine cluster creation.
b) Turn on Stackdriver Monitoring during the Kubernetes Engine cluster creation.
c) Develop a custom add-on that uses Cloud Logging API and BigQuery API. Deploy the add-on to your Kubernetes Engine cluster.
d) Use the Stackdriver Logging export feature to create a sink to Cloud Storage. Create a Cloud Dataflow job that imports log files from Cloud Storage to BigQuery.
e) Use the Stackdriver Logging export feature to create a sink to BigQuery. Specify a filter expression to export log records related to your Kubernetes Engine cluster only.

Answer: a, e

Question: 5

Your project has all its Compute Engine resources in the europe-west1 region. You want to set europe-west1 as the default region for gcloud commands.

What should you do?

a) Use Cloud Shell instead of the command line interface of your device. Launch Cloud Shell after you navigate to a resource in the europe-west1 region. The europe-west1 region will automatically become the default region.
b) Use "gcloud config set compute/region europe-west1" to set the default region for future gcloud commands.
c) Use "gcloud config set compute/zone europe-west1" to set the default region for future gcloud commands.
d) Create a VPN from on-premises to a subnet in europe-west1, and use that connection when executing gcloud commands.

Answer: b

Question: 6

You want to find out who in your organization has Owner access to a project called "my-project". What should you do?

a) In the Google Cloud Platform Console, go to the IAM page for your organization and apply the filter "Role:Owner".
b) In the Google Cloud Platform Console, go to the IAM page for your project and apply the filter "Role:Owner".
c) Use "gcloud iam list-grantable-role --project my-project" from your Terminal.
d) Use "gcloud iam list-grantable-role" from Cloud Shell on the project page.

Answer: b

Question: 7

You have an application server running on Compute Engine in the europe-west1-d zone. You need to ensure high availability and replicate the server to the europe-west2-c zone using the fewest steps possible.

What should you do?

a) Create a snapshot from the disk. Create a disk from the snapshot in the europe-west2-c zone. Create a new VM with that disk.
b) Create a snapshot from the disk. Create a disk from the snapshot in the europe-west1-d zone and then move the disk to europe-west2-c. Create a new VM with that disk.
c) Use "gcloud" to copy the disk to the europe-west2-c zone. Create a new VM with that disk.
d) Use "gcloud compute instances move" with parameter "--destination-zone europe-west2-c" to move the instance to the new zone.

Answer: a

Question: 8

Your company has a mission-critical application that serves users globally. You need to select a transactional, relational data storage system for this application. Which two products should you consider?

  a) BigQuery
  b) Cloud SQL
  c) Cloud Spanner
  d) Cloud Bigtable
  e) Cloud Datastore

Answer: b, c

Question: 9

Your company has reserved a monthly budget for your project. You want to be informed automatically of your project spend so that you can take action when you approach the limit. What should you do?

  a) Link a credit card with a monthly limit equal to your budget.
  b) Create a budget alert for 50%, 90%, and 100% of your total monthly budget.
  c) In App Engine Settings, set a daily budget at the rate of 1/30 of your monthly budget.
  d) In the GCP Console, configure billing export to BigQuery. Create a saved view that queries your total spend.

Answer: b

Question: 10

Your application has a large international audience and runs stateless virtual machines within a managed instance group across multiple locations.

One feature of the application lets users upload files and share them with other users. Files must be available for 30 days; after that, they are removed from the system entirely.

Which storage solution should you choose?

  a) A Cloud Datastore database.
  b) A multi-regional Cloud Storage bucket.
  c) Persistent SSD on virtual machine instances.
  d) A managed instance group of Filestore servers.

Answer: b

Study Guide to Crack Google Associate Cloud Engineer GCP-ACE Exam:

- Getting details of the GCP-ACE syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the GCP-ACE exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Google provided training for GCP-ACE exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the GCP-ACE sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on GCP-ACE practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for GCP-ACE Certification

Make VMExam.com your best friend during your Google Associate Cloud Engineer exam preparation. We provide authentic practice tests for the GCP-ACE exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual GCP-ACE exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the GCP-ACE exam.

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