Pass GCP-ACE Associate Cloud Engineer Exam: Study Tips & Resources!

GOOGLE ASSOCIATE CLOUD ENGINEER CERTIFICATION QUESTIONS & ANSWERS

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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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Get Ready for the GCP-ACE Exam:

Prepare effectively for the GCP-ACE exam using reliable **study strategies and methods**. Enhance your preparedness, deepen your understanding of the Associate, and enhance your likelihood of achieving success in the Google Google Cloud Platform - Associate Cloud Engineer (GCP-ACE) with our comprehensive guide. Embark on your path to exam excellence today.

Know More About the Google Cloud Platform - Associate Cloud Engineer (GCP-ACE) Certification:

Exam Name	Google Associate Cloud Engineer
Exam Code	GCP-ACE
Exam Price	$125 USD
Duration	120 minutes
Number of Questions	50-60 multiple choice and multiple select questions
Passing Score	Pass / Fail (Approx 70%)
Recommended Training / Books	**Google Cloud training**
Schedule Exam	**Google CertMetrics**
Sample Questions	**Google GCP-ACE Sample Questions**
Recommended Practice	**Google Cloud Platform - Associate Cloud Engineer (GCP-ACE) Practice Test**

Learn More About the GCP-ACE Syllabus:

Section	Objectives
Setting up a cloud solution environment (20% of the exam)	
Setting up cloud projects and accounts. Considerations 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 Observability - Assessing quotas and requesting increases
Managing billing configuration. Considerations include:	- Creating one or more billing accounts - Linking projects to a billing account - Establishing billing budgets and alerts - Setting up billing exports
Planning and configuring a cloud solution (17.5% of the exam)	
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 Spot VM instances and custom machine types as appropriate
Planning and configuring data storage options. Considerations include:	- Product choice (e.g., Cloud SQL, BigQuery, Firestore, Spanner, Bigtable) - Choosing storage options (e.g., Zonal persistent disk, Regional persistent disk, Standard, Nearline, Coldline, Archive)
Planning and configuring network resources. Considerations	- Load balancing - Availability of resource locations in a network - Network Service Tiers

Section	Objectives
include:	
Deploying and implementing a cloud solution (25% of the exam)	
Deploying and implementing Compute Engine resources. Considerations include:	- Launching a compute instance (e.g., assign disks, availability policy, SSH keys) - Creating an autoscaled managed instance group by using an instance template - Configuring OS Login - Configuring VM Manager
Deploying and implementing Google Kubernetes Engine resources. Considerations include:	- Installing and configuring the command line interface (CLI) for Kubernetes (kubectl) - Deploying a Google Kubernetes Engine cluster with different configurations (e.g., Autopilot, regional clusters, private clusters, GKE Enterprise) - Deploying a containerized application to Google Kubernetes Engine
Deploying and implementing Cloud Run and Cloud Functions resources. Considerations include:	- Deploying an application - Deploying an application for receiving Google Cloud events (e.g., Pub/Sub events, Cloud Storage object change notification events, Eventarc) - Determining where to deploy an application by using Cloud Run (fully managed), Cloud Run for Anthos, or Cloud Functions
Deploying and implementing data solutions. Considerations include:	- Deploying data products (e.g., Cloud SQL, Firestore, BigQuery, Spanner, Pub/Sub, Dataflow, Cloud Storage, AlloyDB) - Loading data (e.g., command line upload, load data from Cloud Storage, Storage Transfer Service)
Deploying and implementing networking	- Creating a VPC with subnets (e.g., custom mode VPC, Shared VPC) - Creating ingress and egress firewall rules and policies

Section	Objectives
resources. Considerations include:	(e.g., IP subnets, network tags, service accounts) - Peering external networks (e.g., Cloud VPN, VPC Network Peering)
Implementing resources through infrastructure as code. Considerations include:	- Infrastructure as code tooling (e.g., Cloud Foundation Toolkit, Config Connector, Terraform, Helm)
Ensuring successful operation of a cloud solution (20% of the exam)	
Managing Compute Engine resources. Considerations include:	- Remotely connecting to the instance - Viewing current running VM inventory (e.g., instance IDs, details) - Working with snapshots (e.g., create a snapshot from a VM, view snapshots, delete a snapshot, schedule a snapshot) - Working with images (e.g., create an image from a VM or a snapshot, view images, delete an image)
Managing Google Kubernetes Engine resources. Considerations include:	- Viewing current running cluster inventory (e.g., nodes, Pods, Services) - Configuring Google Kubernetes Engine to access Artifact Registry - Working with node pools (e.g., add, edit, or remove a node pool) - Working with Kubernetes resources (e.g., Pods, Services, Statefulsets) - Managing Horizontal and Vertical autoscaling configurations
Managing Cloud Run resources. Considerations	- Deploying new versions of an application - Adjusting application traffic splitting parameters - Setting scaling parameters for autoscaling instances

Section	Objectives
include:	
Managing storage and database solutions. Considerations include:	- Managing and securing objects in Cloud Storage buckets - Setting object lifecycle management policies for Cloud Storage buckets - Executing queries to retrieve data from data instances (e.g., Cloud SQL, BigQuery, Spanner, Firestore, AlloyDB) - Estimating costs of data storage resources - Backing up and restoring database instances (e.g., Cloud SQL, Firestore) - Reviewing job status (e.g., Dataflow, BigQuery)
Managing networking resources. Considerations 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 Cloud DNS and Cloud NAT
Monitoring and logging. Considerations include:	- Creating Cloud Monitoring alerts based on resource metrics - Creating and ingesting Cloud Monitoring custom metrics (e.g., from applications or logs) - Exporting logs to external systems (e.g., on-premises, BigQuery) - Configuring log buckets, log analytics, and 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 - Viewing Google Cloud status - Configuring and deploying Ops Agent - Deploying Managed Service for Prometheus - Configuring audit logs

Section	Objectives
Configuring access and security (17.5% of the exam)	
Managing Identity and Access Management (IAM). Considerations include:	- Viewing and creating IAM policies - Managing the various role types and defining custom IAM roles (e.g., basic, predefined, custom)
Managing service accounts. Considerations 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

Prepare with GCP-ACE Sample Questions:

Question: 1

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

Question: 2

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: 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

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: 5

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: 6

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: 7

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: 8

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: 9

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: 10

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

Tips for Success in the Google Associate Cloud Engineer Exam:

Familiarize Yourself with the GCP-ACE Exam Format:

Before starting your study regimen, it's crucial to acquaint yourself with the structure of the GCP-ACE exam. Take a moment to **review the exam syllabus**, grasp the test format, and pinpoint the main areas of concentration. Having prior knowledge of the exam's layout will assist you in customizing your study strategy effectively.

Create A Study Timetable for the GCP-ACE Exam:

To prepare efficiently for the GCP-ACE exam, devise a study schedule that aligns with your lifestyle and preferred learning approach. Allocate dedicated time slots for studying each day, prioritizing topics according to their significance and your level of proficiency. Maintaining consistency by adhering to your schedule and steering clear of procrastination is imperative.

Diversify Your Study Sources:

Ensure you broaden your study material beyond just one source. Use various resources like textbooks, online courses, practice exams, and study guides to understand the GCP-ACE exam subjects thoroughly. Each resource provides distinct perspectives and explanations that can enrich your learning journey.

Regular Practice for the GCP-ACE Exam:

Consistent practice is essential for effective preparation for the GCP-ACE exam. Engaging in regular practice enables you to strengthen your grasp of essential concepts, improve your problem-solving abilities, and become accustomed to the exam format. Allocate dedicated time to solving practice questions and sample tests to assess your progress accurately.

Allow for Rest and Breaks:

While studying is crucial, taking breaks and rest is equally vital. Pushing yourself too hard without sufficient rest can result in burnout and reduced effectiveness. Incorporate short breaks into your study sessions to recharge and stay focused.

Maintain Organization Throughout Your GCP-ACE Exam Preparation:

Keep yourself organized as you prepare for the GCP-ACE exam by monitoring your progress and managing your materials effectively. Ensure your study area remains neat, utilize folders or digital aids to arrange your notes and resources, and develop a checklist of topics to review. Employing an organized approach will assist you in staying focused and reducing stress levels.

Seek Guidance from Mentors:

Feel free to ask for clarification when you come across confusing or difficult concepts during your study sessions. Seek support from peers, instructors, or online forums to address any uncertainties. Addressing doubts will prevent misunderstandings and ensure you develop a strong understanding of the material<use official link>.

Regular Review is Crucial for the GCP-ACE Exam:

Frequent revisiting of material is paramount for retaining information over the long term. Revisit topics you've already covered to strengthen your comprehension and pinpoint areas that need further focus. Regular review sessions will solidify your understanding<add product page> and enhance your confidence.

Master Time Management for the GCP-ACE Exam:

Skillful time management is essential on the exam day to ensure you finish all sections within the designated time limits. During your practice sessions, replicate the conditions of the GCP-ACE exam and practice managing your time accordingly. Formulate strategies for efficiently addressing each section to optimize your score.

Have A Positive Mindset:

Finally, maintain a positive attitude and have faith in your capabilities. Stay confident in your preparation and trust that you are well-prepared to handle the GCP-ACE exam. Envision success, remain focused, and approach the exam calmly and objectively.

Benefits of Passing the GCP-ACE Exam:

- Completing the GCP-ACE exam unlocks pathways to fresh career prospects and progression within your industry.

- The extensive preparation needed for the GCP-ACE certification equips you with comprehensive knowledge and practical expertise applicable to your field.
- Possessing the GCP-ACE certification showcases your mastery and dedication to excellence, garnering acknowledgment from both peers and employers.
- Certified professionals often command higher salaries and have greater potential for earning than those without certification.
- Acquiring the GCP-ACE certification validates your competence and trustworthiness, fostering confidence among clients, employers, and peers.

Explore the Trusted Practice Exam for the GCP-ACE Certification:

At vmexam.com, you'll find comprehensive resources for the GCP-ACE exam. Our platform offers authentic practice exams tailored specifically for the GCP-ACE certification. What advantages do these practice exams provide? You'll encounter genuine exam-style questions expertly crafted by industry professionals, allowing you to improve your performance in the exam. Rely on vmexam.com for rigorous, unlimited access to **GCP-ACE practice exams** for two months, allowing you to boost your confidence steadily. Through focused practice, numerous candidates have successfully streamlined their path to achieving the Google Cloud Platform - Associate Cloud Engineer (GCP-ACE).

Final Remarks:

Preparing for the GCP-ACE examination demands commitment, strategic planning, and efficient study methods. Implementing these study suggestions can enrich your preparation, elevate your self-assurance, and increase your likelihood of excelling in the exam. Keep your focus sharp, maintain organization, and believe in your abilities. Best of luck!

Here Is the Trusted Practice Test for the GCP-ACE Certification

VMExam.Com is here with all the necessary details regarding the GCP-ACE exam. We provide authentic practice tests for the GCP-ACE exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the **GCP-ACE practice tests**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Google Cloud Platform - Associate Cloud Engineer (GCP-ACE).

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