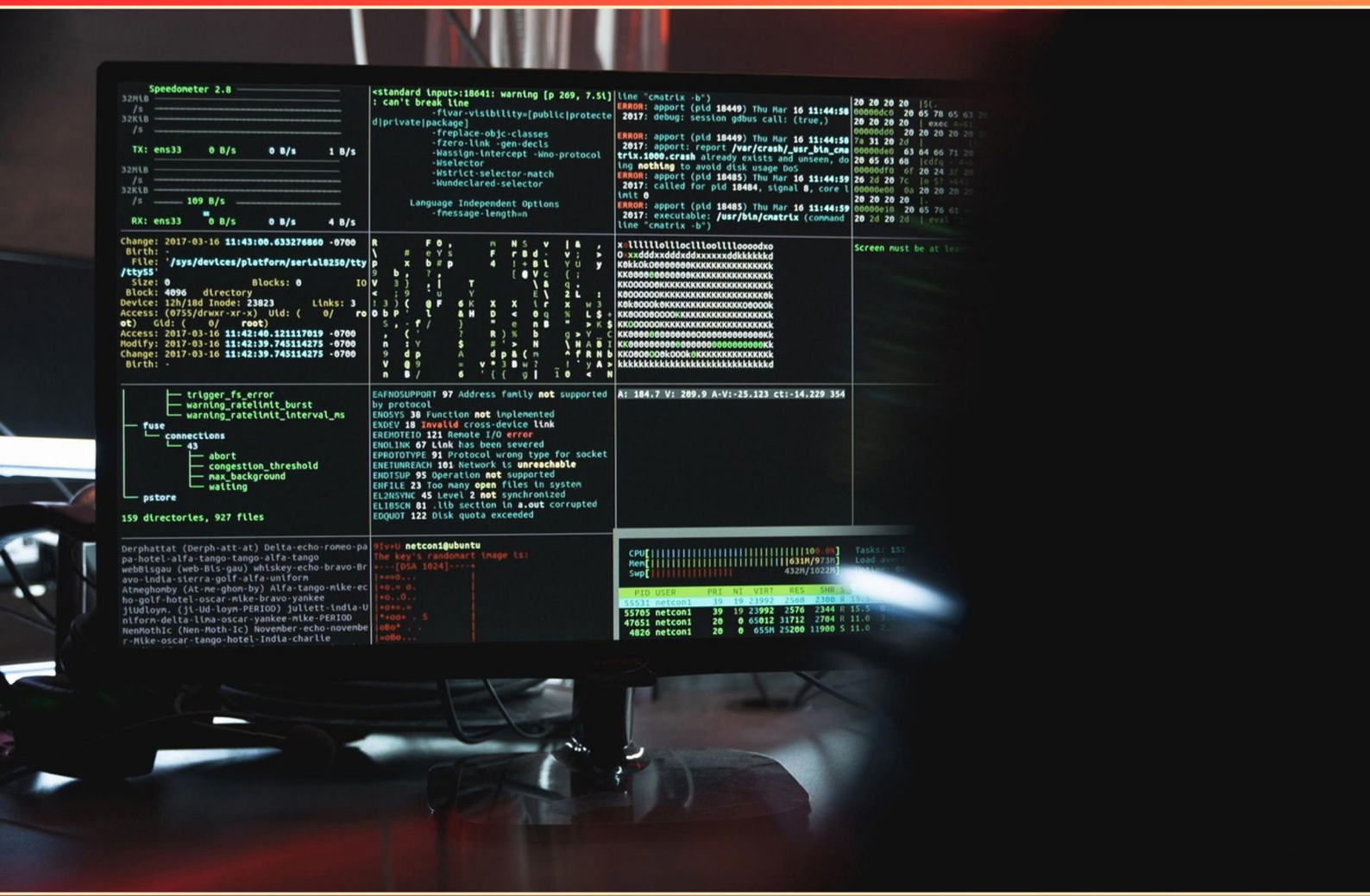
GOOGLE CLOUD DEVOPS CERTIFICATION PRACTICE TEST (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

VISIT US ONLINE FOR THE FULL VERSION STUDY GUIDE

https://googleclouddevops.examzify.com

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

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How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

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Questions

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1. **During a postmortem of a significant incident, which step is crucial to prevent similar future incidents?**

   A. Identify engineers responsible for the incident and escalate to their senior management.

   B. Ensure that test cases catching similar errors are run before software releases.

   C. Prescribe practices to employees who reviewed the changes.

   D. Design a policy to immediately call engineers during an incident.

2. **What is the significance of conducting a Production Readiness Review (PRR)?**

   A. To finalize user acceptance tests

   B. To ensure the service can meet its operational targets

   C. To document the deployment process thoroughly

   D. To enhance team collaboration

3. **What should you communicate as an Ops Lead during an incident with a consistently malfunctioning service node?**

   A. Document the performance issues and report them to upper management.

   B. Communicate your intent to the incident team and perform necessary load analysis.

   C. Request an immediate replacement of the faulty node to minimize downtime.

   D. Ignore the issue since it has been occurring for a short duration.

4. **What approach helps minimize manual intervention when maintaining a production service on Compute Engine?**

   A. Create a Cloud Monitoring dashboard for alerts

   B. File a bug report with development

   C. Create a Managed Instance Group using health checks

   D. Add a Load Balancer in front of the instance

5. **To align with the principle of least privilege, how should access be granted to the security team for audit logs?**

   A. Assign the roles/logging.viewer role individually to each member

   B. Assign the roles/logging.viewer role to a group with all members

   C. Assign the roles/logging.privateLogViewer role individually to each member

   D. Assign the roles/logging.privateLogViewer role to a group with all members

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6. When experiencing login latency after releasing a new feature in a web application, what immediate action should be taken?

A. Roll back the recent release.

B. Review the Cloud monitoring for insights.

C. Upsize the virtual machines running the login services.

D. Deploy a new release to try to fix the issue.

7. What is the most effective method to reduce costs for a stable workload on Compute Engine instances without impacting performance?

A. Purchase Committed Use Discounts

B. Migrate the instances to a Managed Instance Group

C. Convert the instances to preemptible virtual machines

D. Create an Unmanaged Instance Group for the instances

8. What is a key benefit of using Anthos Config Management in your GKE setup?

A. It allows for automated load balancing

B. It enables centralized management of configurations

C. It provides integrated monitoring tools

D. It manages network traffic automatically

9. If an API version needs to be deprecated, what steps should be communicated to users?

A. Announce only the new version without mentioning the old

B. Communicate both deprecation and the introduction of the new version

C. Only notify users once the old version is unavailable

D. Communicate updates to users after the changes are implemented

10. What storage solution should you use for container images and Helm charts that integrates with Google Cloud services?

A. Run an open-source container registry server in GKE with RBAC

B. Use Docker to configure a Cloud Storage driver

C. Use Artifact Registry as an OCI-based container registry

D. Configure Container Registry for both Helm charts and images

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Answers

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1. B
2. B
3. B
4. C
5. D
6. A
7. A
8. B
9. B
10. C

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Explanations

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1. During a postmortem of a significant incident, which step is crucial to prevent similar future incidents?

A. Identify engineers responsible for the incident and escalate to their senior management.

B. Ensure that test cases catching similar errors are run before software releases.

C. Prescribe practices to employees who reviewed the changes.

D. Design a policy to immediately call engineers during an incident.

Ensuring that test cases catching similar errors are run before software releases is a crucial step in preventing similar future incidents. This practice emphasizes the importance of proactive measures in software development and operations. By implementing comprehensive test cases that specifically target known issues or vulnerabilities, teams can catch potential errors before deployment. This not only enhances the reliability and stability of the software but also reduces the likelihood of incidents that could disrupt services or lead to significant downtime. Incorporating rigorous testing into the development lifecycle fosters a culture of quality assurance and accountability, contributing to overall system resilience. When teams are aware of past failures and actively work to address them through testing, they can create software that is less prone to the same issues. The other approaches mentioned may have their merits but focus more on reactionary measures or assigning blame rather than systemic improvements. Incorporating robust testing introduces a preventive mechanism, making it a foundational practice for maintaining high-quality software in the future.

2. What is the significance of conducting a Production Readiness Review (PRR)?

A. To finalize user acceptance tests

B. To ensure the service can meet its operational targets

C. To document the deployment process thoroughly

D. To enhance team collaboration

Conducting a Production Readiness Review (PRR) is crucial because it ensures that the service can meet its operational targets. This process generally involves assessing various factors such as performance, reliability, and security before a new system or service goes live. Key components evaluated during a PRR include scaling, failure handling, monitoring, and alerting capabilities, which are all integral to maintaining service levels in a production environment. The PRR helps to identify any gaps or issues that could affect operational performance, ensuring that the team has addressed potential risks before deployment. By confirming that the system meets the necessary standards and can handle expected load and failure conditions, the organization bolsters its confidence in the service's readiness for real-world usage. While aspects like user acceptance tests, thorough documentation, and team collaboration are vital in the overall development and deployment process, the core intent of a PRR focuses specifically on operational capabilities and readiness. Ensuring that operational targets are met lays the foundation for a successful launch, which is why this aspect is emphasized in the context of a PRR.

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3. What should you communicate as an Ops Lead during an incident with a consistently malfunctioning service node?

A. Document the performance issues and report them to upper management.

B. Communicate your intent to the incident team and perform necessary load analysis.

C. Request an immediate replacement of the faulty node to minimize downtime.

D. Ignore the issue since it has been occurring for a short duration.

Communicating your intent to the incident team and performing necessary load analysis is crucial during an incident involving a consistently malfunctioning service node. This approach fosters collaboration among team members and ensures that everyone is aligned in addressing the issue effectively. By engaging with the incident team, you enable a coordinated response, which is essential in situations where a service node is failing. Conducting a load analysis helps in identifying whether the issue stems from excessive load, resource constraints, or other underlying factors. Understanding these dynamics allows the team to make informed decisions about the troubleshooting and remediation process, which is critical for restoring service functionality quickly. Engaging in active communication demonstrates leadership and encourages a proactive stance, rather than a reactive one, which is vital in operational settings where uptime and reliability are paramount. This method also paves the way for data-driven decisions, rather than relying solely on intuition or incomplete information, which may not lead to effective remediation of the problem. In contrast, requesting an immediate replacement of the node might seem like a quick fix, but without understanding the root cause through analysis, it may not address why the problem occurred in the first place. Documenting issues for upper management, while important, does not help resolve the immediate incident effectively. Ignoring the problem due to

4. What approach helps minimize manual intervention when maintaining a production service on Compute Engine?

A. Create a Cloud Monitoring dashboard for alerts

B. File a bug report with development

C. Create a Managed Instance Group using health checks

D. Add a Load Balancer in front of the instance

Creating a Managed Instance Group using health checks is an effective approach for minimizing manual intervention in maintaining a production service on Compute Engine. Managed Instance Groups (MIGs) allow you to automate the deployment, scaling, and management of virtual machine instances. By utilizing health checks, a MIG can automatically monitor the health of its instances. If an instance becomes unhealthy or unresponsive, the Managed Instance Group can automatically replace it with a new instance without requiring any manual intervention. This self-healing capability ensures that your service remains highly available and resilient, even in the face of potential failures. In contrast, while creating a Cloud Monitoring dashboard for alerts provides visibility into the performance and health of your service, it still requires manual action to address any issues that arise. Filing a bug report with development is a reactive approach that does not aid in maintaining the service but rather addresses problems after they are identified. Adding a Load Balancer can help distribute traffic effectively but does not inherently automate instance management or recovery from failures. Thus, the use of a Managed Instance Group with health checks is the most proactive strategy in this context, reducing the need for manual oversight and ensuring seamless service operation.

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5. To align with the principle of least privilege, how should access be granted to the security team for audit logs?

A. Assign the roles/logging.viewer role individually to each member

B. Assign the roles/logging.viewer role to a group with all members

C. Assign the roles/logging.privateLogViewer role individually to each member

D. Assign the roles/logging.privateLogViewer role to a group with all members

Aligning with the principle of least privilege means providing users with only the access necessary to perform their job functions, reducing the risk of unauthorized access to sensitive information. In this case, granting access to audit logs is crucial for security teams to monitor and analyze activities while ensuring that permissions are managed efficiently. Assigning the roles/logging.privateLogViewer role to a group containing all members is an effective approach. By using a group, access can be managed centrally rather than individually. This method simplifies the administration of permissions, allowing for easier updates when team members change, as adding or removing a member from the group automatically adjusts their access rights. Additionally, the roles/logging.privateLogViewer provides access to private logs that could contain sensitive information, making it particularly important for the role to be assigned judiciously. Granting this access to a full group instead of individuals ensures that everyone on the team has the necessary permissions without opening up the potential vulnerabilities that could come from managing access for multiple individuals separately. This method promotes both efficiency in access management and adherence to security best practices, aligning firmly with the least privilege principle.

6. When experiencing login latency after releasing a new feature in a web application, what immediate action should be taken?

A. Roll back the recent release.

B. Review the Cloud monitoring for insights.

C. Upsize the virtual machines running the login services.

D. Deploy a new release to try to fix the issue.

In a situation where login latency is experienced after a new feature release, the best immediate action is to review the Cloud monitoring for insights. This approach allows you to gather important data and understand the root cause of the latency before taking drastic measures like rolling back the release. Monitoring tools provide valuable metrics and logs that can help identify whether the issue is related to the new feature, resource allocation, or other components within your infrastructure. Once you have insights from Cloud monitoring, you can make an informed decision on how to proceed, such as optimizing the code, adjusting resources, or rolling back if necessary. This approach emphasizes the importance of data-driven decision-making in debugging and optimizing systems, rather than resorting to immediate reversal or changes that may not address the underlying problem.

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7. What is the most effective method to reduce costs for a stable workload on Compute Engine instances without impacting performance?

A. Purchase Committed Use Discounts

B. Migrate the instances to a Managed Instance Group

C. Convert the instances to preemptible virtual machines

D. Create an Unmanaged Instance Group for the instances

Purchasing Committed Use Discounts is an effective method to reduce costs for a stable workload on Compute Engine instances while maintaining performance. Committed Use Discounts allow users to commit to using specific resources for a period of one or three years in exchange for significant savings compared to on-demand pricing. This option is particularly beneficial for stable workloads where the usage patterns are predictable, as it results in lower costs without impacting the performance of the instances since the resources remain dedicated to the user. In contrast, migrating instances to a Managed Instance Group might provide benefits through features like autoscaling or load balancing, but it does not directly address cost reduction for stable workloads unless it leads to better resource management. Converting instances to preemptible virtual machines can significantly reduce costs; however, this introduces the risk of interruptions and is not suitable for stable workloads that require reliability. Lastly, creating an Unmanaged Instance Group does not inherently lead to cost savings and still requires manual management of instances, which may not optimize costs as effectively as a commitment to use resources at a discounted rate.

8. What is a key benefit of using Anthos Config Management in your GKE setup?

A. It allows for automated load balancing

B. It enables centralized management of configurations

C. It provides integrated monitoring tools

D. It manages network traffic automatically

Using Anthos Config Management in your Google Kubernetes Engine (GKE) setup provides significant advantages, with centralized management of configurations being a key benefit. This feature allows you to define and enforce consistent configurations across all your Kubernetes clusters, both within Google Cloud and across hybrid or multi-cloud environments. Centralized management ensures that policies regarding security, compliance, and other operational directives can be uniformly applied, reducing complexity and minimizing the potential for configuration drift. It simplifies governance and compliance by allowing operators to ensure that all clusters adhere to the same configuration standards, which can be crucial in large environments where different teams might manage separate clusters. This capability not only enhances operational efficiency but also helps improve security posture by ensuring that all configurations are up-to-date and consistent according to the established guidelines. Centralized management through Anthos Config Management also integrates with GitOps workflows, enabling teams to manage their configurations using version control systems, further enhancing automation and reliability in deployment practices. Other options relate to functionalities not specifically tied to Anthos Config Management. Automated load balancing, integrated monitoring tools, and automatic network traffic management are features provided by different components within the Google Cloud ecosystem but are not the primary focus of Anthos Config Management. Thus, the core strength of Anthos Config Management lies

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9. If an API version needs to be deprecated, what steps should be communicated to users?

A. Announce only the new version without mentioning the old

B. Communicate both deprecation and the introduction of the new version

C. Only notify users once the old version is unavailable

D. Communicate updates to users after the changes are implemented

It is essential to communicate both the deprecation of the old API version and the introduction of the new version to users. This approach ensures that users are fully aware of the changes being made and can prepare for the transition effectively. Clear communication plays a critical role in maintaining trust and minimizing disruption in service for developers who rely on the API. Informing users about the deprecation allows them to understand that they need to migrate to the new version, providing them with sufficient time to adapt their applications or services accordingly. In addition, announcing the new version simultaneously helps users see the benefits and improvements it offers, encouraging them to make the transition rather than being left in the dark about the changes. This dual announcement strategy fosters a smoother transition, reducing the risk of legacy code breaking and ensuring that users have access to support or documentation regarding the new version as they move away from the deprecated one.

10. What storage solution should you use for container images and Helm charts that integrates with Google Cloud services?

A. Run an open-source container registry server in GKE with RBAC

B. Use Docker to configure a Cloud Storage driver

C. Use Artifact Registry as an OCI-based container registry

D. Configure Container Registry for both Helm charts and images

Using Artifact Registry as an OCI-based container registry is the optimal choice for storing container images and Helm charts within Google Cloud services. Artifact Registry provides a fully integrated solution specifically designed for managing and storing container images as well as various package formats like Helm charts. It supports the OCI (Open Container Initiative) image format, ensuring compatibility and adherence to open standards for container distribution. Furthermore, Artifact Registry offers enhanced security features, such as vulnerability scanning and fine-grained IAM (Identity and Access Management) controls, allowing organizations to manage permissions effectively. This integration with Google Cloud's security and identity services makes it easier to enforce policies across projects and teams. Additionally, Artifact Registry simplifies workflows by providing features such as automatic versioning and management of container images, which are critical for DevOps practices where consistent and reliable deployments are essential. Its ability to integrate seamlessly with other Google Cloud services enhances operational efficiency, making it the preferred choice compared to other options. In contrast, running an open-source container registry server in Google Kubernetes Engine (GKE) would require more management overhead as you would need to handle the deployment, scaling, and maintenance of the server. Using Docker with a Cloud Storage driver doesn't provide the same level of integration or feature set specific to container management that Artifact

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

https://googleclouddevops.examzify.com

We wish you the very best on your exam journey. You've got this!

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