

Professional-Cloud-DevOps-Engineer資格取得講座 & Professional-Cloud-DevOps-Engineer模擬試験最新版

【GCP DevOps】 Professional Cloud DevOps Engineer 勉強方法と教材を紹介



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若者はより大きな雇用圧力に直面しています。競争力を高めることが不可欠です。私たちのProfessional-Cloud-DevOps-Engineer試験資料を選択することで、日々の仕事であなたの問題を解決できます。より実用的なスキルを得ることもできます。私たちのProfessional-Cloud-DevOps-Engineer試験資料には最新の知識と情報が含まれています。さらに、最も権威があるProfessional-Cloud-DevOps-Engineer認定試験資格証明書を取得することができます。だから、多くの人を引きつけます。

Google Cloud Certified Professional Cloud DevOps Engineerになるためには、複数選択式の質問からなる認定試験に合格する必要があります。同試験は、Kubernetes Engine、Cloud Functions、Cloud RunなどのGCPサービスや、継続的インテグレーション・デリバリー、モニタリング・ログ、インフラストラクチャー・コードなどのDevOpsプラクティスを含む幅広いトピックをカバーしています。また、候補者はGCP環境での問題解決能力やパフォーマンス最適化能力も示さなければなりません。全体的に、この認定試験は、GCP上でアプリケーションを展開・管理するスキルと知識を持った候補者の能力を試す厳しいテストであり、DevOpsプロフェッショナルにとっての重要な達成感となります。

Google Professional-Cloud-DevOps-Engineer試験は、DevOps経験がある個人が、クラウドベースのDevOpsのスキルを強化することを目的として設計されています。この認定は、DevOpsエンジニア、ソフトウェア開発者、システム管理者、およびITプロフェッショナルが、Google Cloudプラットフォーム上でのDevOps実践の知識を向上させたい場合に最適です。

Google Professional-Cloud-DevOps-Engineer認定を獲得することで、雇用主に、DevOpsのプラクティスでクラウドテクノロジーを効果的に管理するために必要なスキルと知識があることを雇用主に実証できます。この認定は、クラウドの専門家にとってより良い雇用機会とより高い給与にもつながる可能性があります。

>> Professional-Cloud-DevOps-Engineer資格取得講座 <<

素晴らしいProfessional-Cloud-DevOps-Engineer資格取得講座と権威のあるProfessional-Cloud-DevOps-Engineer模擬試験最新版

なぜこれほど多くの認定が必要なのですか？認めなければならないことは、あなたが所有する認定資格が増えれば、より良い仕事を獲得し、より多くの給料を得る機会が増えることです。これが、テストProfessional-Cloud-DevOps-Engineer認定を取得することの重要性を認識する必要がある理由です。したがって、Professional-Cloud-DevOps-Engineer試験問題の合格率は98%を超えているため、Professional-Cloud-DevOps-Engineer学習ツールは、ユーザーがより速く効率的に参加するために必要な資格試験に合格するのに役立ちます。Professional-Cloud-DevOps-Engineer実践ガイドを購入するだけで、Professional-Cloud-DevOps-Engineer試験に合格できます。

Google Cloud Certified - Professional Cloud DevOps Engineer Exam 認定 Professional-Cloud-DevOps-Engineer 試験問題 (Q186-Q191):

質問 # 186

Your company follows Site Reliability Engineering practices. You are the person in charge of Communications for a large, ongoing incident affecting your customer-facing applications. There is still no estimated time for a resolution of the outage. You are receiving emails from internal stakeholders who want updates on the outage, as well as emails from customers who want to know what is happening. You want to efficiently provide updates to everyone affected by the outage. What should you do?

- A. Delegate the responding to internal stakeholder emails to another member of the Incident Response Team. Focus on providing responses directly to customers.
- **B. Focus on responding to internal stakeholders at least every 30 minutes. Commit to "next update" times.**
- C. Provide periodic updates to all stakeholders in a timely manner. Commit to a "next update" time in all communications.
- D. Provide all internal stakeholder emails to the Incident Commander, and allow them to manage internal communications. Focus on providing responses directly to customers.

正解: B

質問 # 187

Your company has a Google Cloud resource hierarchy with folders for production test and development. Your cyber security team needs to review your company's Google Cloud security posture to accelerate security issue identification and resolution. You need to centralize the logs generated by Google Cloud services from all projects only inside your production folder to allow for alerting and near-real time analysis. What should you do?

- A. Enable the Workflows API and route all the logs to Cloud Logging
- **B. Create an aggregated log sink associated with the production folder that uses a Cloud Logging bucket as the destination**
- C. Create a central Cloud Monitoring workspace and attach all related projects
- D. Create an aggregated log sink associated with the production folder that uses a Pub Sub topic as the destination

正解: B

質問 # 188

You are running a web application deployed to a Compute Engine managed instance group. Ops Agent is installed on all instances. You recently noticed suspicious activity from a specific IP address. You need to configure Cloud Monitoring to view the number of requests from that specific IP address with minimal operational overhead. What should you do?

- A. Update the application to export the IP address request metrics to the Cloud Monitoring API
- B. Create a script to scrape the web server log. Export the IP address request metrics to the Cloud Monitoring API
- C. Configure the Ops Agent with a metrics receiver
- **D. Configure the Ops Agent with a logging receiver. Create a logs-based metric.**

正解: D

解説:

Explanation

The best option for configuring Cloud Monitoring to view the number of requests from a specific IP address with minimal operational overhead is to configure the Ops Agent with a logging receiver and create a logs-based metric. The Ops Agent is an agent that collects system metrics and logs from your VM instances and sends them to Cloud Monitoring and Cloud Logging. A logging receiver is a configuration that specifies which logs are collected by the Ops Agent and how they are processed. You can use a logging receiver to collect web server logs from your VM instances and send them to Cloud Logging. A logs-based metric is a metric that is extracted from log entries in Cloud Logging. You can use a logs-based metric to count the number of requests from a specific IP address by using a filter expression. You can then use Cloud Monitoring to view and analyze the logs-based metric.

質問 # 189

Your company has recently experienced several production service issues. You need to create a Cloud Monitoring dashboard to troubleshoot the issues, and you want to use the dashboard to distinguish between failures in your own service and those caused by a Google Cloud service that you use. What should you do?

- A. Create a logs widget to display system errors from Cloud Logging on the dashboard.
- **B. Enable Personalized Service Health annotations on the dashboard.**
- C. Create an alerting policy for the system error metrics.

- D. Create a log-based metric to track cloud service errors, and display the metric on the dashboard.

正解: B

解説:

Comprehensive and Detailed Explanation From General Cloud Monitoring Knowledge:

The key requirement is to distinguish between failures in your own service and those caused by an underlying Google Cloud service.

A: Enable Personalized Service Health annotations on the dashboard: Google Cloud Personalized Service Health provides information about incidents affecting Google Cloud services that may impact your projects.

When enabled and integrated with Monitoring, it can display these events as annotations on your dashboards, overlaying them on your service's metrics charts. This allows you to correlate dips in your service's performance with known Google Cloud service issues, directly addressing the need to distinguish failure origins.

B: Create an alerting policy for the system error metrics: Alerting policies are for notifications when metrics cross thresholds. While useful for detecting issues in your own service, they don't inherently distinguish the cause between your service and a Google Cloud dependency without further context, which option A provides.

C: Create a log-based metric to track cloud service errors, and display the metric on the dashboard: You could try to create log-based metrics from logs that might indicate a cloud service error (e.g., specific API error codes from Google Cloud services). However, this is indirect, might require complex parsing, and Personalized Service Health is a more direct and authoritative source for Google Cloud service disruptions.

D: Create a logs widget to display system errors from Cloud Logging on the dashboard: Similar to C, displaying raw system error logs can be helpful for troubleshooting your own service, but it doesn't provide a clear, curated view of whether a Google Cloud service itself is having an issue. It would require manual interpretation to link these logs to a potential Google Cloud outage.

Personalized Service Health is specifically designed to provide visibility into Google Cloud service incidents relevant to your resources. Integrating this with Monitoring dashboards is the most direct way to achieve the stated goal.

Reference (Based on Cloud Monitoring and Personalized Service Health features):

Personalized Service Health Overview: <https://cloud.google.com/service-health/docs/overview> Integrating with Cloud Monitoring:

Documentation often shows how to enable annotations for Personalized Service Health events on Monitoring charts. This allows a visual correlation between your service metrics and Google Cloud service health events. "Personalized Service Health integrates with Cloud Monitoring so you can see service health events alongside your metrics."

"You can enable annotations on your metric charts to display relevant Personalized Service Health events." This feature directly helps differentiate between issues in your application versus issues in the underlying Google Cloud services.

質問 # 190

You are the Operations Lead for an ongoing incident with one of your services. The service usually runs at around 70% capacity.

You notice that one node is returning 5xx errors for all requests. There has also been a noticeable increase in support cases from customers. You need to remove the offending node from the load balancer pool so that you can isolate and investigate the node.

You want to follow Google-recommended practices to manage the incident and reduce the impact on users. What should you do?

- A. 1. Communicate your intent to the incident team. 2. Perform a load analysis to determine if the remaining nodes can handle the increase in traffic offloaded from the removed node, and scale appropriately. 3. When any new nodes report healthy, drain traffic from the unhealthy node, and remove the unhealthy node from service.
- B. 1. Drain traffic from the unhealthy node and remove the old node from service. 2. Add a new node to the pool, wait for the new node to report as healthy, and then serve traffic to the new node. 3. Monitor traffic to ensure that the pool is healthy and is handling traffic appropriately. 4. Communicate your actions to the incident team.
- C. 1. Drain traffic from the unhealthy node and remove the node from service. 2. Monitor traffic to ensure that the error is resolved and that the other nodes in the pool are handling the traffic appropriately. 3. Scale the pool as necessary to handle the new load. 4. Communicate your actions to the incident team.
- D. 1. Communicate your intent to the incident team. 2. Add a new node to the pool, and wait for the new node to report as healthy. 3. When traffic is being served on the new node, drain traffic from the unhealthy node, and remove the old node from service.

正解: A

解説:

The correct answer is A. Communicate your intent to the incident team. Perform a load analysis to determine if the remaining nodes can handle the increase in traffic offloaded from the removed node, and scale appropriately. When any new nodes report healthy, drain traffic from the unhealthy node, and remove the unhealthy node from service.

This answer follows the Google-recommended practices for incident management, as described in the Chapter 9 - Incident Response, Google SRE Book 1. According to this source, some of the best practices are:

Maintain a clear line of command. Designate clearly defined roles. Keep a working record of debugging and mitigation as you go.

Declare incidents early and often.

Communicate your intent before taking any action that might affect the service or the incident response. This helps to avoid confusion, duplication of work, or unintended consequences.

Perform a load analysis before removing a node from the load balancer pool, as this might affect the capacity and performance of the service. Scale the pool as necessary to handle the expected load.

Drain traffic from the unhealthy node before removing it from service, as this helps to avoid dropping requests or causing errors for users.

Answer A follows these best practices by communicating the intent to the incident team, performing a load analysis and scaling the pool, and draining traffic from the unhealthy node before removing it.

Answer B does not follow the best practice of performing a load analysis before adding or removing nodes, as this might cause overloading or underutilization of resources.

Answer C does not follow the best practice of communicating the intent before taking any action, as this might cause confusion or conflict with other responders.

Answer D does not follow the best practice of draining traffic from the unhealthy node before removing it, as this might cause errors for users.

References:

1:Chapter 9 - Incident Response, Google SRE Book

質問 # 191

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