



- Expert Verified, Online, Free.

 MENU



Google Discussions



Exam Associate Cloud Engineer All Questions

View all questions & answers for the Associate Cloud Engineer exam

Go to Exam

EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 145 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 145

Topic #: 1

[\[All Associate Cloud Engineer Questions\]](#)

Your existing application running in Google Kubernetes Engine (GKE) consists of multiple pods running on four GKE n1-`standard`-2 nodes. You need to deploy additional pods requiring n2-`highmem`-16 nodes without any downtime. What should you do?

- A. Use gcloud container clusters upgrade. Deploy the new services.
- B. Create a new Node Pool and specify machine type n2-`highmem`-16. Deploy the new pods.
- C. Create a new cluster with n2-`highmem`-16 nodes. Redeploy the pods and delete the old cluster.
- D. Create a new cluster with both n1-`standard`-2 and n2-`highmem`-16 nodes. Redeploy the pods and delete the old cluster.

Show Suggested Answer

by [Jamaal_a](#) at March 11, 2021, 3 p.m.

Comments

Type your comment...

Submit

? ? GCP_Student1 **Highly Voted** ? 3 years, 7 months ago

B is correct answer, read below from google docs;

This tutorial demonstrates how to migrate workloads running on a Google Kubernetes Engine (GKE) cluster to a new set of nodes within the same cluster without incurring downtime for your application. Such a migration can be useful if you want to migrate your workloads to nodes with a different machine type.

Background

A node pool is a subset of machines that all have the same configuration, including machine type (CPU and memory) authorization scopes. Node pools represent a subset of nodes within a cluster; a container cluster can contain one or more node pools.

When you need to change the machine profile of your Compute Engine cluster, you can create a new node pool and then migrate your workloads over to the new node pool.

To migrate your workloads without incurring downtime, you need to:

Mark the existing node pool as unschedulable.

Drain the workloads running on the existing node pool.

Delete the existing node pool.

https://cloud.google.com/kubernetes-engine/docs/tutorials/migrating-node-pool#creating_a_node_pool_with_large_machine_type

? ? ? upvoted 32 times

? ? Captain1212 **Most Recent** ? 1 year, 1 month ago

Selected Answer: B

B is the right answer, if you need the new, and if you want to old one also then its D

? ? ? upvoted 1 times

? ? ashtonez 1 year, 7 months ago

Selected Answer: B

B is correct, creating another cluster just doesn't make any sense, node pools are intended for this situation

? ? ? upvoted 1 times

? ? Chiunara 1 year, 7 months ago

Selected Answer: B

Answer is obviously B (read @GCP_Student1 and @Bobbybash replies)

? ? ? upvoted 1 times

? ? Bobbybash 1 year, 8 months ago

Selected Answer: B

B. Create a new Node Pool and specify machine type n2-highmem-16. Deploy the new pods.

Creating a new Node Pool with the required machine type is the correct approach to deploy additional pods without any downtime. This approach allows you to scale the cluster horizontally by adding more nodes to the existing cluster. By creating a new Node Pool, you can add n2-highmem-16 nodes to the existing cluster, and deploy new pods on these nodes without affecting the existing services running on the n1-standard-2 nodes. This way, you can ensure high availability and zero downtime during the deployment. Option A (gcloud container clusters upgrade) upgrades the entire cluster, and Option C and D (creating a new cluster) involve deleting the existing cluster, which may cause downtime.

? ? ? upvoted 2 times

? ? BlueJay20 1 year, 8 months ago

Selected Answer: D

The keyword is "additional". Answer B is good if you want to replace with the new VMs. In this case you want the existing ones as well as the new ones. Therefore D.

? ? ? upvoted 2 times

? ? swa99 1 year, 8 months ago

The keyword is "additional", in option D you are deleting the old cluster. SO the answer is B

? ? ? upvoted 3 times

? ? AzureDP900 2 years, 4 months ago

B makes perfect sense.

? ? ? upvoted 1 times

? ? Tirthankar17 2 years, 4 months ago

Selected Answer: B

B is correct

— — —

   upvoted 1 times

  **arsh1916** 3 years, 5 months ago

B is correct

   upvoted 4 times

  **Jacky_YO** 3 years, 6 months ago

ANS : B


1. The title did not say to delete four GKE n1.

   upvoted 4 times

  **pondai** 3 years, 7 months ago



B, You need to create new node pool for cluster

   upvoted 3 times

  **dunhill** 3 years, 7 months ago


I guess it's B. I couldn't find resize parameter under cluster upgrade. C and D are incorrect because it's no need to create new cluster.

   upvoted 2 times

  **GCP_Student1** 3 years, 7 months ago

A. Use gcloud container clusters upgrade. Deploy the new services.

   upvoted 1 times

  **GCP_Student1** 3 years, 7 months ago

I take it back, the correct answer is "B"

B. Create a new Node Pool and specify machine type n2d-highmem16. Deploy the new pods.

   upvoted 2 times

  **Jamaal_a** 3 years, 7 months ago

Answer is B - When you need to change the machine profile of your Compute Engine cluster, you can create a new node pool and then migrate your workloads over to the new node pool.

   upvoted 3 times

Start Learning for free



Social Media

[Facebook](#) , [Twitter](#)

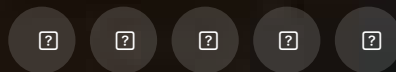
[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics

Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial

Analyst® are registered trademarks owned by CFA Institute.