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Exam Cloud Digital Leader All Questions

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EXAM CLOUD DIGITAL LEADER TOPIC 1 QUESTION 42 DISCUSSION

Actual exam question from Google's Cloud Digital Leader

Question #: 42

Topic #: 1

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Your company is running the majority of its workloads in a co-located data center. The workloads are running on virtual machines (VMs) on top of a hypervisor and use either Linux or Windows server editions. As part of your company's transformation strategy, you need to modernize workloads as much as possible by adopting cloud-native technologies. You need to migrate the workloads into Google Cloud.

What should you do?

- A. Export the VMs into VMDK format, and import them into Compute Engine
- B. Export the VMs into VMDK format, and import them into Google Cloud VMware Engine
- C. Migrate the workloads using Migrate for Compute Engine
- D. Migrate the workloads using Migrate for Anthos

Show Suggested Answer

by [kiranm2021](#) at Dec. 29, 2021, 7:08 a.m.

Comments


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 **fpreli** Highly Voted 2 years, 9 months ago



Agree with C, Compute Engine. From GCP documentation "For the workloads that will benefit from containers, Migrate for Anthos and GKE delivers a fast, smooth path to modernization. For other workloads that are better suited as a VM, simply move them as is with Migrate for Compute Engine "

   upvoted 27 times

 **Jack456** 1 year ago

but as per i saw a official video google virtual machine migration need vSphere.

https://cloud.google.com/migrate/virtual-machines?utm_source=bing&utm_medium=cpc&utm_campaign=japac-IN-all-en-dr-bkws-all-pkws-trial-b-dr-1009882&utm_content=text-ad-none-none-DEV_c-CRE_-ADGP_Hybrid%20%7C%20BKWS%20-%20PHR%20%7C%20T%20~%20Compute%20~%20Migrate%20for%20Compute%20Engine_migrate%20for%20compute%20engine-general%20-%20Products-KWID_43700071936703088-kwd-74698340556763%3Aloc-90&userloc_149209-network_o&utm_term=KW_google%20migrate%20for%20compute%20engine&gclid=3967b163c3031bcea7a9d442d7d20982&gclsrc=3p.ds

   upvoted 2 times

 **fpreli** 2 years, 9 months ago


But, right, it says "cloud-native" and "modernize", so probably Migrate for Anthos is correct.

   upvoted 7 times

 **Raj_sai** 2 years, 1 month ago

You can directly migrate VM loads to Anthos. It is a 2 step process

   upvoted 6 times

 **x6207** Highly Voted 2 years, 7 months ago

Selected Answer: D

I would choose D. Migrate the workloads using Migrate for Anthos, because it is similar to Question #43 and this is C. Migrate the workloads to Compute Engine.

I agree with Tom666

   upvoted 11 times

 **Nishantkumar** Most Recent 5 days, 5 hours ago

Correct Answer is :

C. Migrate the workloads using Migrate for Compute Engine.

Explanation:

Migrate for Compute Engine is specifically designed to facilitate the migration of virtual machine workloads from on-premises environments to Google Cloud. It supports both Windows and Linux VMs and allows for seamless migration with minimal downtime.

This service enables you to modernize your applications while maintaining their existing configurations, which aligns with your goal of transforming workloads into cloud-native technologies.

Migrating the workloads using Migrate for Anthos (option D) is focused on containerized workloads and would not be applicable if the current workloads are primarily running on traditional VMs.

   upvoted 1 times

 **sallymaher** 3 weeks, 2 days ago

Agree with C

   upvoted 1 times

 **sespejoi** 3 weeks, 3 days ago

Selected Answer: A

Google Cloud VMware Engine (GCVE) allows your organization to lift and shift its VMware-based workloads to Google Cloud with minimal changes. This approach lets you keep your existing virtualized environment (including your hypervisor) while running it on Google Cloud's infrastructure. This option also offers managed services for the VMware stack, allowing you to offload management tasks while still using a familiar environment.

Why not the other options:

B. Migrate the workloads to Compute Engine: Although Compute Engine allows you to run VMs in Google Cloud, it would require more changes to your existing environment compared to VMware Engine, and it's not fully managed in the same way as Google Cloud VMware Engine.

   upvoted 2 times

 **kalpesh_bohra** 2 months, 3 weeks ago

C. Migrate the workloads using Migrate for Compute Engine

Here's why this option is most appropriate:

Migrate for Compute Engine: This service is designed specifically to facilitate the migration of on-premises VMs to Google Cloud Compute Engine. It automates the migration process, supports various operating systems (Linux and Windows), and

helps you transition your VMs while allowing you to modernize your infrastructure and applications during the migration. This tool simplifies the migration of VMs and can also assist in optimizing the configurations for Google Cloud.

   upvoted 1 times

  **jnya_1991** 3 months, 1 week ago

Selected Answer: C

The best answer here is C. Migrate the workloads using Migrate for Compute Engine. Here's why:

Migrate for Compute Engine is Google Cloud's managed service specifically designed for migrating on-premises workloads to Compute Engine. It provides a streamlined approach to lift-and-shift your existing VMs to Google Cloud while minimizing downtime and ensuring a smooth transition.

   upvoted 1 times

  **shanwford** 4 months, 3 weeks ago

Selected Answer: C



This Use Case fits very well with Compute engine - why using Anthos here (its core technology developed by Google empowering enterprise container platforms)? If anthos is solution, then you would have to be very creative in interpreting this question

   upvoted 1 times

  **rathm** 6 months, 3 weeks ago

Selected answer C

   upvoted 1 times

  **Thesalesguy** 9 months, 3 weeks ago

Selected Answer: C

Migrate for Anthos is designed for migrating containerized applications, not VMs. It wouldn't be suitable for your current VM-based workloads.

Therefore, Migrate for Compute Engine is the most suitable choice for your scenario. It enables you to migrate your VMs to Google Cloud while also modernizing them with cloud-native technologies, minimizing disruption and automating the process for a smooth and efficient transition.

   upvoted 2 times

  **soumya763** 10 months, 1 week ago

Selected Answer: C

Migrate by Compute Engine

   upvoted 1 times

  **sivakarthick16** 10 months, 1 week ago

Selected Answer: C

By using Migrate for Compute Engine, you can seamlessly migrate your Linux or Windows server edition VMs from your co-located data center to Google Cloud. This service provides automated migration capabilities, including replication, testing, and cutover, to ensure a smooth transition of your workloads. It also offers features like continuous data replication and minimal downtime during the migration process.

Option D (migrating workloads using Migrate for Anthos) is more focused on modernizing applications by containerizing them and leveraging Kubernetes. While it is a valid option for certain scenarios, it may require additional effort to containerize your workloads and might not be the most straightforward approach for VM migration.

   upvoted 5 times

  **sivakarthick16** 10 months, 1 week ago

Selected Answer: C

Migrate for Compute Engine is a service provided by Google Cloud that allows you to migrate your existing virtual machines (VMs) from on-premises or other cloud environments directly into Compute Engine. It provides a seamless migration experience, allowing you to retain your VM configurations and data while taking advantage of the scalability and flexibility offered by Google Cloud. This approach will help you adopt cloud-native technologies and modernize your workloads effectively.

   upvoted 1 times

  **Erasable_Mak** 11 months, 1 week ago

The correct option is C.

   upvoted 1 times

  **Erasable_Mak** 11 months, 1 week ago

C is correct because Migrate for Compute Engine is a service specifically designed to migrate VMs from on-premises environments or other clouds into Compute Engine. It provides automated migration capabilities and allows for the modernization of workloads during the migration process.

D is incorrect because Migrate for Anthos is focused on migrating workloads into Google Kubernetes Engine (GKE) or Anthos clusters, which are container-based environments. It may not be suitable for migrating traditional VM-based

Anthos clusters, which are container-based environments. It may not be suitable for migrating traditional VM-based workloads.

   upvoted 2 times

  **chai_gpt** 11 months, 3 weeks ago

Selected Answer: D

D is correct

   upvoted 1 times

  **chai_gpt** 11 months, 3 weeks ago

Selected Answer: D

D is correct

   upvoted 1 times

  **__rajan__** 1 year ago

Selected Answer: D

Migrate for Anthos uses a container-based approach to migration. It packages your workloads into containers and then deploys the containers to Anthos. This allows you to migrate your workloads to Google Cloud without having to make any changes to your workloads.

   upvoted 1 times

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