

NAS "" image storage, logs, backups
- 100 TB total storage; 35 TB available

Business Requirements -

Build a reliable and reproducible environment with scaled parity of production.
Improve security by defining and adhering to a set of security and Identity and Access Management (IAM) best practices for cloud.
Improve business agility and speed of innovation through rapid provisioning of new resources.
Analyze and optimize architecture for performance in the cloud.

Technical Requirements -

Easily create non-production environments in the cloud.
Implement an automation framework for provisioning resources in cloud.
Implement a continuous deployment process for deploying applications to the on-premises datacenter or cloud.
Support failover of the production environment to cloud during an emergency.
Encrypt data on the wire and at rest.
Support multiple private connections between the production data center and cloud environment.

Executive Statement -

Our investors are concerned about our ability to scale and contain costs with our current infrastructure. They are also concerned that a competitor could use a public cloud platform to offset their up-front investment and free them to focus on developing better features. Our traffic patterns are highest in the mornings and weekend evenings; during other times, 80% of our capacity is sitting idle.
Our capital expenditure is now exceeding our quarterly projections. Migrating to the cloud will likely cause an initial increase in spending, but we expect to fully transition before our next hardware refresh cycle. Our total cost of ownership (TCO) analysis over the next 5 years for a public cloud strategy achieves a cost reduction between 30% and 50% over our current model.

Question

For this question, refer to the Dress4Win case study. You want to ensure that your on-premises architecture meets business requirements before you migrate your solution.

What change in the on-premises architecture should you make?

- A. Replace RabbitMQ with Google Pub/Sub.
- B. Downgrade MySQL to v5.7, which is supported by Cloud SQL for MySQL.
- C. Resize compute resources to match predefined Compute Engine machine types.
- D. Containerize the micro-services and host them in Google Kubernetes Engine.

  **chiar** Highly Voted 5 years, 1 month ago

Be careful, because in the case study that you can find in google website MySQL version is 5.7
<https://cloud.google.com/certification/guides/cloud-architect/casestudy-dress4win-rev2>
upvoted 20 times

  **jasim21** 3 years, 8 months ago

cloud SQL support MySQL 5.7
<https://cloud.google.com/sql/docs/mysql/db-versions>



Answer is D
upvoted 8 times

  **crypt0** Highly Voted 5 years, 1 month ago

I would tend to answer B "Second Generation instances support MySQL 5.6 or 5.7,"



<https://cloud.google.com/sql/docs/mysql/features>

upvoted 14 times

  **chiar** 5 years, 1 month ago

I agree, the answer is B



upvoted 7 times

  **addy007** 5 years ago

Downgrading is not supported. Seems C is the right choice.

<https://dev.mysql.com/doc/refman/8.0/en/downgrading.html>

upvoted 4 times

  **xps** 4 years, 7 months ago

Downgrade is possible from 5.7 to 5.6, which is in the same major version. So downgrade from 5.8 to 5.7 makes sense. Containerize the java applications require to build kubernetes infrastructures in the on-premise environment, it's not in the plan. So the answer goes to E

upvoted 3 times

  **6a8c7ad** Most Recent 4 months, 1 week ago

It's not D. Says on prem change prior to migrate. Definitely not D.

upvoted 1 times

  **jcataluna** 1 year ago

Selected Answer: B

MySQL 5.8 not supported on Cloud SQL

upvoted 1 times

  **SAMBIT** 2 years, 9 months ago

Replace RabbitMQ with pub sub ...A

<https://docs.devicewise.com/Content/Products/GatewayDevelopersGuide/CloudConnectors/GoogleCloud/GoogleCloudPlatform.htm>



upvoted 3 times

  **ABO_Doma** 3 years ago

Selected Answer: D

Containerizing the existing applications ensures efficient use of resources. This activity the business requirement "optimize architecture for performance in the cloud". As a precursor to Cloud migration, you could convert the microservices to containers and host them on GKE on-prem <https://cloud.google.com/anthos/gke/docs/on-prem/overview> which also makes it very easy for you to migrate to Cloud. GKE on-prem is hybrid cloud software that brings Google Kubernetes Engine (GKE) to on-premises data centres. With GKE on-prem, you can create, manage, and upgrade Kubernetes clusters in your on-premises environment.

upvoted 10 times

  **didek1986** 3 years ago

D read business req.

upvoted 2 times

  **kvenkatasudhakar** 3 years ago

Cloud SQL supports MySQL 5.6, 5.7 and 8.0 and the current onprem version is MySQL 5.8. So downgrade from 5.8 to 5.7 is the right answer



upvoted 1 times

  **phantomsg** 3 years ago

Selected Answer: D

'D' as it matches the requirement - Improve business agility and speed of innovation through rapid provisioning of new resources. Among the choices, containerizing microservices will allow the company to deploy and scale services independently.

upvoted 4 times

  **joe2211** 3 years ago


Selected Answer: D

vote D



upvoted 1 times

  **kopper2019** 3 years, 5 months ago

hey guys new Qs posted as of July 12th, 2021, All 21 new Qs in Question #152
upvoted 3 times

  **vishwassahu** 3 years, 3 months ago

it seems 21 new questions are deleted
upvoted 2 times

  **victory108** 3 years, 5 months ago

D. Containerize the micro-services and host them in Google Kubernetes Engine.
upvoted 6 times

  **MamthaSJ** 3 years, 5 months ago

Answer is D
upvoted 4 times

  **wilwong** 3 years, 5 months ago

Answer is D
upvoted 2 times

  **getzsagar** 3 years, 7 months ago

One important Update related to case study - Date - 27-04-2021

Right answer is option D ---

Case Study for Dress4win is updated, MYSQL version 5.7 is mentioned in the case study and not 5.8 as given in here. This makes option B invalid. Right answer is option D. In the exam I saw option B was still given to confuse people, but in the case study they mentioned the MYSQL version 5.7 and not 5.8. So despite of being confident about the case studies, ensure that you read it thoroughly even during the exam. Time is given sufficient enough.

upvoted 7 times

  **ansh0692** 3 years, 8 months ago


Answer is D

A: If you are expecting to "install" pub/sub locally and not connect to the hosted GCP service, you cannot use pub/sub, if it is okay for you to use hosted pub/sub and then do the rest of the processing on prem but you won't get a readily available system or you'll have to integrate a lot of things.

B: 5.8 is basically 8.0 and it is supported

C: Best practice is to find the predefined types on GCP as close to the physical server spec and not the other way around

upvoted 4 times

  **Ausias18** 3 years, 8 months ago

Answer is D
upvoted 5 times

Viewing questions **1-278** out of 278 questions



Viewing page 1 out of 1 pages.

Shows answers and questions to increase passing rate