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Exam Associate Cloud Engineer All Questions

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EXAM ASSOCIATE CLOUD ENGINEER TOPIC 1 QUESTION 143 DISCUSSION

Actual exam question from Google's Associate Cloud Engineer

Question #: 143

Topic #: 1

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Your team maintains the infrastructure for your organization. The current infrastructure requires changes. You need to share your proposed changes with the rest of the team. You want to follow Google's recommended best practices. What should you do?

- A. Use Deployment Manager templates to describe the proposed changes and store them in a Cloud Storage bucket.
- B. Use Deployment Manager templates to describe the proposed changes and store them in Cloud Source Repositories.
- C. Apply the changes in a development environment, run `gcloud compute instances list`, and then save the output in a shared Storage bucket.
- D. Apply the changes in a development environment, run `gcloud compute instances list`, and then save the output in Cloud Source Repositories.

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by [SSPC](#) at Aug. 13, 2020, 2:42 p.m.

Comments

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ESP_SAP **Highly Voted** 4 years, 2 months ago

Correct Answer is (A):

Connecting to Cloud Storage buckets

Cloud Storage is a flexible, scalable, and durable storage option for your virtual machine instances. You can read and write files to Cloud Storage buckets from almost anywhere, so you can use buckets as common storage between your instances, App Engine, your on-premises systems, and other cloud services.

<https://cloud.google.com/compute/docs/disks/gcs-buckets>

Why not (B)?

Caution

Cloud Source Repositories are intended to store only the source code for your app and not user or personal data. Don't store any Core App Engine Customer Data (as defined in your License Agreement) in Cloud Source Repositories.

<https://cloud.google.com/source-repositories/docs/features>

upvoted 32 times

gcpengineer 3 years, 2 months ago

B is the ans

upvoted 4 times

pYWORLD 3 years, 2 months ago

I agree with what are you saying, but the problem that you know how the deployment manager template looks? Is jinja/yaml file that means that are source code, so better to put them inside of an repository.

So, for my perspective I will go with the B.

upvoted 1 times

ashrafh 3 years, 2 months ago

maybe below link will help

<https://cloud.google.com/deployment-manager/docs/configuration/templates/hosting-templates-externally>

from that we can take a idea on deciding cloud storage or repo :),

upvoted 3 times

stepkurniawan 4 years, 1 month ago

you store the sensitive data NOT in the instance template, that is the current best practice. But you need version control like GIT or Google's GIT (Cloud Source Repo) to backup your code somehow and able to roll back if needed.

upvoted 12 times

JohnnieWalker 3 years, 3 months ago

B is the answer. Deployment Manager Template can be written in either Jinja or Python, this is Infrastructure as Code (IaC) we are talking about here, same as AWS Cloudformation, or Terraform. Therefore, they should be stored on a git repository such as Google Cloud Source Repositories.

upvoted 9 times

[Removed] 4 years, 1 month ago

You can do all thing you are mentioning in the cloud store also. Ethically answer is cloud store as you are not dealing with a source file but a template. Again here the argument can go that config is also a part of the source so B answers. To make life easy let's call this template/config file as the proposal file, so the best way to share will be cloud store.

upvoted 2 times

magistrum 3 years, 9 months ago

Look at my post above, cloud repo is for code, not templates

upvoted 2 times

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SSPC **Highly Voted** 4 years, 2 months ago

B is correct. <https://cloud.google.com/source-repositories/docs/features>

upvoted 31 times

AmitKM 4 years, 1 month ago

Using Cloud Storage Repos, you can add comments and describe your changes to the team.Hence this might be a better option.

upvoted 3 times

magistrum 3 years, 9 months ago

I don't see how you can do this when I tried creating:

Add code to your repository

info

Your repository is currently empty. Add some code using a selected method and then refresh your browser. Contents added to this repository can take some time to show up in search results. Learn more.

Select an option to push code to your repository:

Push code from a local Git repository

Clone your repository to a local Git repository

upvoted 2 times

BuenaCloudDE **Most Recent** 3 months, 1 week ago

Selected Answer: A

Effective June 17, 2024, Cloud Source Repositories isn't available to new customers. If your organization hasn't previously used Cloud Source Repositories, you can't enable the API or use Cloud Source Repositories. New projects not connected to an organization can't enable the Cloud Source Repositories API. Organizations that have used Cloud Source Repositories prior to June 17, 2024 are not affected by this change.

I think that the question does not exist already, or A is right answer

upvoted 2 times

Cynthia2023 9 months, 3 weeks ago

Selected Answer: B

Use of Deployment Manager Templates:

Google Cloud Deployment Manager is a tool that allows you to automate the creation and management of Google Cloud resources. It uses templates written in YAML, Python, or Jinja2 to describe your resources and their configurations.

By using Deployment Manager templates, you can provide a clear, codified, and repeatable description of the proposed changes to your infrastructure.

Version Control and Collaboration:

Cloud Source Repositories provide managed and scalable Git repositories hosted on Google Cloud. Storing your Deployment Manager templates in a source repository enables version control, which is a best practice in software and infrastructure development.

This approach facilitates collaboration among team members, allowing for review, commenting, and history tracking of changes to the templates.

upvoted 1 times

Cynthia2023 9 months, 3 weeks ago

A. Store in Cloud Storage Bucket: While storing templates in a Cloud Storage bucket makes them accessible, it does not provide the benefits of version control and collaborative features offered by source control systems.

upvoted 1 times

sara11190 1 year ago

B is the correct answer

upvoted 2 times

Captain1212 1 year, 1 month ago

Selected Answer: B

B is the correct answer

upvoted 2 times

pritampanda1988 1 year, 2 months ago

Selected Answer: A

Option B (storing in Cloud Source Repositories) might be suitable for storing application code, but it's not the best practice for storing infrastructure configuration templates.

upvoted 1 times

Praxii 1 year, 5 months ago

Selected Answer: B

Correct answer is B

upvoted 1 times

SK1990 1 year, 9 months ago

Selected Answer: B

B is the best answer.

upvoted 1 times

davidsalomon 1 year, 10 months ago

Selected Answer: B

As 2022 best practice, B

upvoted 1 times

Kopy 1 year, 11 months ago

Selected Answer: B

Correction. 2 years later.

Correct Answer is (B):

upvoted 1 times

diasporabro 2 years ago

Selected Answer: B

Thought it was A for a sec, the realized Cloud Source is similar to Github/CodeCommit... So, B is a better choice

upvoted 1 times

AwesomeGCP 2 years ago

B. Use Deployment Manager templates to describe the proposed changes and store them in Cloud Source Repositories

upvoted 1 times

KapilDhamija 2 years, 2 months ago

Selected Answer: A

A is the right choice, Use Deployment Manager templates to describe the proposed changes and store them in a Cloud Storage bucket

upvoted 1 times

tomis2 2 years, 3 months ago

Selected Answer: B

Don't get confused - it is B. IaC is a matter of version control system like GIT.

upvoted 1 times

AzureDP900 2 years, 4 months ago

B is right .. Showing Deployment Manager templates to your team will allow you to define the changes you want to implement in your cloud infrastructure. You can use Cloud Source Repositories to store Deployment Manager templates and collaborate with your team. Cloud Source Repositories are fully-featured, scalable, and private Git repositories you can use to store, manage and track changes to your code.

Hence, the correct answer is: Create Deployment Manager templates to define the proposed changes and save them into Cloud Source Repositories.

upvoted 3 times

SergijF 2 years, 4 months ago

Selected Answer: B

Its B.

upvoted 1 times

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