



NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Google Cloud Computing Foundations (course)



Course outline

How does an NPTEL online course work?

Week 0: Welcome to the Course

Week 1: What's the cloud anyway? Start with a solid platform

Week 2: Use GCP to build your apps

Week 3 : Where do I store this Stuff?

Introduction (unit?unit=49& lesson=50)

Assignment 3

The due date for submitting this assignment has passed.

Due on 2020-10-07, 23:59 IST.

Assignment submitted on 2020-10-07, 20:54 IST

- 1) Which of the following storage options is the best choice for storing unstructured data 1 point like Image and web asset libraries?
 - OCloud Bigtable
 - Cloud Datastore
 - Cloud SQL
 - Cloud Storage

Yes, the answer is correct.

Score: 1

Feedback:

Cloud Storage is an HTTPS-based object store that is ideal for unstructured storage.

Accepted Answers:

Cloud Storage

2) What is the largest object size that you can store in Cloud Storage?

1 point

- Dependent on the storage class
- 1 TB
- Unlimited
- 5 TB

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- Storage Options in the Cloud (unit?unit=49& lesson=51)
- Structured and Unstructured Storage in the Cloud (unit?unit=49& lesson=52)
- Unstructured Storage using Cloud Storage [With Lab] (unit?unit=49& lesson=53)
- SQL Managed Services (unit?unit=49& lesson=54)
- Exploring Cloud SQL [With Lab] (unit?unit=49& lesson=55)
- Cloud Spanner as a Managed Service (unit?unit=49& lesson=56)
- NoSQL
 Managed
 Services
 Options
 (unit?unit=49&
 lesson=57)
- Cloud
 Datastore a
 NoSQL
 Document
 Store [With
 Lab]
 (unit?unit=49&
 lesson=58)
- Cloud Bigtable as a NoSQL Option

Yes, the answer is correct. Score: 1 Feedback: While Cloud Storage offers a virtually unlimited amount of storage, a single object has a limitation of 5 TB. Accepted Answers: 5 TB 3) What Cloud Storage storage class would be an inexpensive option for backups that 1 point you test once a month? Nearline Coldline Standard Archive Yes, the answer is correct. Score: 1 Feedback: Nearline storage is designed to provide inexpensive storage for items accessed no more than once a month. While the price for storing objects is cheaper than Standard, Nearline charges for access to storage. Accepted Answers: Nearline 4) Which of the following is SQL based storage service with the horizontal scalability 1 point feature and is globally available? Cloud Bigtable Cloud Spanner Cloud Datastore Cloud SQL Yes, the answer is correct. Score: 1 Feedback: Cloud Spanner is unique in that it is a horizontally scalable, globally available database service offering up to five nines of availability. Accepted Answers: Cloud Spanner 5) Cloud Datastore is a NoSQL based managed service. Which statement best describes 1 point Cloud Datastore? A relational database A data warehouse A sparse, wide-column database A document store

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Yes, the answer is correct.

Score: 1

Feedback:

| (unit?unit=49& | Cloud Datastore is a document store similar to a Mongo Database. | |
|--|---|--------|
| lesson=59) | Accepted Answers: | |
| Summary | A document store | |
| (unit?unit=49& lesson=61) | 6) True or False. Cloud Spanner supports SQL skills to query the stored data. | point |
| Google Cloud | True | |
| Computing | False | |
| Foundations Course : Week 3 Feedback | Yes, the answer is correct. Score: 1 Feedback: | |
| Form | The answer is True. You can use existing SQL skills to query data in Cloud Spanner using | |
| (unit?unit=49& | familiar, industry-standard ANSI SQL 2011 | |
| lesson=62) | Accepted Answers: | |
| Ouiz : | True | |
| Assignment 3 | 7) Which of the following database engines does Cloud SQL support? | point |
| (assessment?name=1 | 128) The first of the fellowing database originals does cloud ext support. | ροιιιτ |
| Week 4: There's | DB2 | |
| an API for that! | MongoDG | |
| You can't secure | SQL Server | |
| the Cloud right? | Oracle | |
| | PostgreSQL | |
| Week 5 : It helps to Network | Yes, the answer is correct. Score: 1 | |
| Week 6 : It helps | Feedback: | |
| to Network | Cloud SQL supports PostgreSQL, MySQL, and SQL Server | |
| (continued) | Accepted Answers: SQL Server | |
| Week 7 : Let | PostgreSQL | |
| Google keep an | 8) Cloud Bigtable provides a NoSQL based managed service option. Which one of the | point |
| eye on things. | following is a valid use case for this service? | |
| You have the | A gustamor professiones for Marketing Data | |
| data, but what | A healand for an Internet of Things (IoT) system | |
| are you doing with it | ✓ A backend for an Internet of Things (IoT) system. ✓ A transactional database for a bank. | |
| With it | A data warehouse | |
| Let machines do | | |
| the work | Yes, the answer is correct. Score: 1 | |
| | Feedback: | |
| Download | The sparse, wide table format and extremely low write latency of Cloud Bigtable makes it a | great |
| Videos | option for fast streaming services like IoT, marketing data or graphical data storage. | |
| Taud Tuessa saita (| Accepted Answers: | |
| Text Transcripts | A customer preferences for Marketing Data | |
| | A backend for an Internet of Things (IoT) system. | |
| | 9) Which of the following storage options is not a database? | point |
| | ○ Cloud SQL | |

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| Cloud BigtableCloud SpannerBigQuery | |
|--|--|
| Yes, the answer is correct. Score: 1 Feedback: BigQuery is the only option that is not a database. The backend of BigQuery is columnar storage. Accepted Answers: BigQuery | |
| 10) You have non-relational data and want a serverless database without having to worry about nodes or cluster management. Which service would best suit your needs? | |
| Cloud DatastoreCloud BigtableCloud SpannerCloud SQL | |
| No, the answer is incorrect. Score: 0 Feedback: Cloud Datastore is the only option that does not require the construction of a server. Accepted Answers: Cloud Datastore | |

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