

Unit 5 - Week 3 : Where do I store this Stuff?

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](#)
- [● Storage Options in the Cloud](#)
- [● Structured and Unstructured Storage in the Cloud](#)
- [● Unstructured Storage using Cloud Storage \[With Lab\]](#)
- [● SQL Managed Services](#)
- [● Exploring Cloud SQL \[With Lab\]](#)
- [● Cloud Spanner as a Managed Service](#)
- [● NoSQL Managed Services Options](#)
- [● Cloud Datastore a NoSQL Document Store \[With Lab\]](#)
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Week 4: There's an API for that! You can't secure the Cloud right?

Week 5 : It helps to Network

Week 6 : It helps to Network (continued)

Week 7 : Let Google keep an eye on things. You have the data, but what are you doing with it

Let machines do the work

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Assignment 3

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2020-03-18, 23:59 IST.

1) GCP has many storage options. Which would be the best option for unstructured storage? **1 point**

- Cloud Bigtable
- Cloud Datastore
- Cloud SQL
- Cloud Storage

No, the answer is incorrect. Score: 0

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 that you can store in Cloud Storage? **1 point**

- 1 GB
- 5 TB
- Unlimited
- Dependant on the storage class

No, the answer is incorrect. Score: 0

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 you test once a month? **1 point**

- Coldline
- Multi-regional
- Nearline
- Regional

No, the answer is incorrect. Score: 0

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) GCP has different options for SQL-based managed services. Which of these options is horizontally scalable and globally available? **1 point**

- Cloud Bigtable
- Cloud Datastore
- Cloud Spanner
- Cloud SQL

No, the answer is incorrect. Score: 0

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) Which of the following database engines does Cloud SQL support? **1 point**

- DB2
- MongoDG
- MySQL
- Oracle
- PostgreSQL

No, the answer is incorrect. Score: 0

Feedback: Cloud SQL supports PostgreSQL, MySQL, and SQL Server

Accepted Answers: MySQL PostgreSQL

6) True or False. You can use existing SQL skills to query data in Cloud Spanner **1 point**

- True
- False

No, the answer is incorrect. Score: 0

Feedback: The answer is True. You can use existing SQL skills to query data in Cloud Spanner using familiar, industry-standard ANSI SQL 2011

Accepted Answers: True

7) Cloud Datastore is a NoSQL based managed service. Which statement best describes Cloud Datastore? **1 point**

- A document store
- A data warehouse
- A relational database
- A sparse, wide-column database

No, the answer is incorrect. Score: 0

Feedback: Cloud Datastore is a document store similar to a Mongo Database

Accepted Answers: A document store

8) Cloud Bigtable provides a NoSQL based managed service option. Which one of the following is a valid use case for this service? **1 point**

- An object store.
- A data warehouse
- A transactional database for a bank.
- A backend for an Internet of Things (IoT) system

No, the answer is incorrect. Score: 0

Feedback: The sparse, wide table format and extremely low write latency of Cloud Bigtable makes it a great option for fast streaming services like IoT

Accepted Answers: A backend for an Internet of Things (IoT) system

9) 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? **1 point**

- Cloud Bigtable
- Cloud Datastore
- Cloud Spanner
- Cloud 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

10) Which of the following storage options is not a database? **1 point**

- BigQuery
- Cloud Bigtable
- Cloud Spanner
- Cloud SQL

No, the answer is incorrect. Score: 0

Feedback: BigQuery is the only option that is not a database. The backend of BigQuery is columnar storage.

Accepted Answers: BigQuery