

**Google Cloud Computing Foundation Course**  
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**Google Cloud**

**Lecture-25**  
**Module introduction**

Hi I am Priyanka and welcome to the module where do I store this stuff in this module you will see how you can take advantage of managed storage and databases for cloud applications. So, far in this course you have learned what GCP is, why you should have a solid platform before beginning a GCP transfer and how GCP supports the building of apps. In this module you will learn about storage and database options in GCP.

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The slide features a woman on the right side, gesturing as if speaking. The text on the left is as follows:

### Learning objectives

- Implement a variety of structured and unstructured storage models
- Compare and contrast the different Cloud Storage options
- Distinguish between structured and unstructured storage options in the cloud
- Compare the role of the different Cloud Storage options
- Explore the use case for Relational versus NoSQL storage options


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The objective of this module is for you to be able to implement a variety of structured and unstructured storage models. To achieve this goal you will need to meet the following learning objectives. Discuss the different storage options that exist in the cloud. Differentiate between structured and unstructured storage in the cloud, compare the role of the different cloud storage options and explore the use case for relational versus no sequel storage.

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## Learning objectives

- Describe leveraging Cloud Storage as an unstructured storage option
- Explain relational database options in the cloud
- Describe the NoSQL options in GCP



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You will also describe leveraging cloud storage as unstructured storage and explained relational database options in the cloud and describe the no sequel options in GCP.

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## Agenda

Storage Options in the Cloud	Cloud Spanner as a Managed Service
Structured and Unstructured Storage in the Cloud	NoSQL Managed Services Options
Unstructured Storage using Cloud Storage	Cloud Datastore, a NoSQL Document Store
Lab: Cloud Storage: Qwik Start - CLI/SDK	Lab: App Dev: Storing Application Data in Cloud Datastore - Python
SQL Managed Services	Cloud Bigtable as a NoSQL Option
Exploring Cloud SQL	Quiz
Lab: Loading Data into Cloud SQL	Summary

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These are the topics that make up the module first you will learn about the different storage options available in the cloud. Then you will see the difference between structured and unstructured storage and how you can leverage unstructured storage using cloud storage. A hands-on lab will allow you to explore a range of activities applicable to cloud. You will then review the use case for sequel managed services next you will explore cloud sequel.

And then complete another lab where you will import data into cloud sequel and perform basic data analysis. You will discover how to leverage cloud spanner and explore the available no sequel options, you will then learn how to use cloud datastore as a no sequel document store. You will complete the module with an app development activity that requires you to store app data in cloud datastore and then you will learn how cloud BigTable can be leveraged as a no sequel option. The module will end with a short quiz and a recap of the key learning points covered in the module.