

LATIHAN 1

The screenshot shows the Google Cloud Platform console for the project 'belajarDataStore'. The left sidebar is open, showing the 'Entities' menu item under the 'Datastore' section. The main content area displays the 'APIs' section with a line chart showing 'Requests (requests/sec)' over time. The chart shows a peak around 8:45 AM. Below the chart, there is a 'Go to APIs overview' link. On the right side, there are several informational cards: 'Google Cloud Platform status' (All services normal), 'Billing' (Estimated charges for May 1 - 30, 2021), and 'Monitoring' (Create my dashboard).

Google Cloud Platform console interface showing the Datastore entities page. The left sidebar is open, displaying the 'Entities' menu item. The main content area shows the 'APIs' section with a line chart for 'Requests (requests/sec)' over time. The chart shows a peak around 8:45 AM. Below the chart, there is a 'Go to APIs overview' link. On the right side, there are several informational cards: 'Google Cloud Platform status' (All services normal), 'Billing' (Estimated charges for May 1 - 30, 2021), and 'Monitoring' (Create my dashboard).

The screenshot shows the 'Get started' page for the Datastore service in the Google Cloud Platform console. The left sidebar is open, showing the 'Entities' menu item. The main content area displays a comparison table between 'Native mode' and 'Datastore mode'. The table compares various features like API, Scalability, App engine support, Max writes per second, and Real-time updates. Below the table, there are two buttons: 'SELECT NATIVE MODE' and 'SELECT DATASTORE MODE'.

	Native mode	Datastore mode
	Enable all of Cloud Firestore's features, with offline support and real-time synchronization.	Leverage Cloud Datastore's system behavior on top of Cloud Firestore's powerful storage layer.
	SELECT NATIVE MODE	SELECT DATASTORE MODE
API	Firestore	Datastore
Scalability	Automatically scales to millions of concurrent clients	Automatically scales to millions of writes per second
App engine support	Not supported in the App Engine standard Python 2.7 and PHP 5.5 runtimes	All runtimes
Max writes per second	10,000	No limit
Real-time updates	✓	✗

Google Cloud Platform

belajarDataStore

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Get started

Select a Cloud Firestore mode

Choose where to store your data

You selected Cloud Firestore in Datastore mode. Now choose a database location.

The location of your database affects its cost, availability, and durability. Choose a regional location (lower write latency, lower cost) or a multi-region location (higher availability, higher cost). [Learn more](#)

Choose carefully: your location selection is permanent and will also apply to this project's App Engine app

Select a location

us-west2 (Los Angeles)

To improve performance, store your data close to the users and services that need it

CREATE DATABASE

BACK

Google Cloud Platform

belajarDataStore

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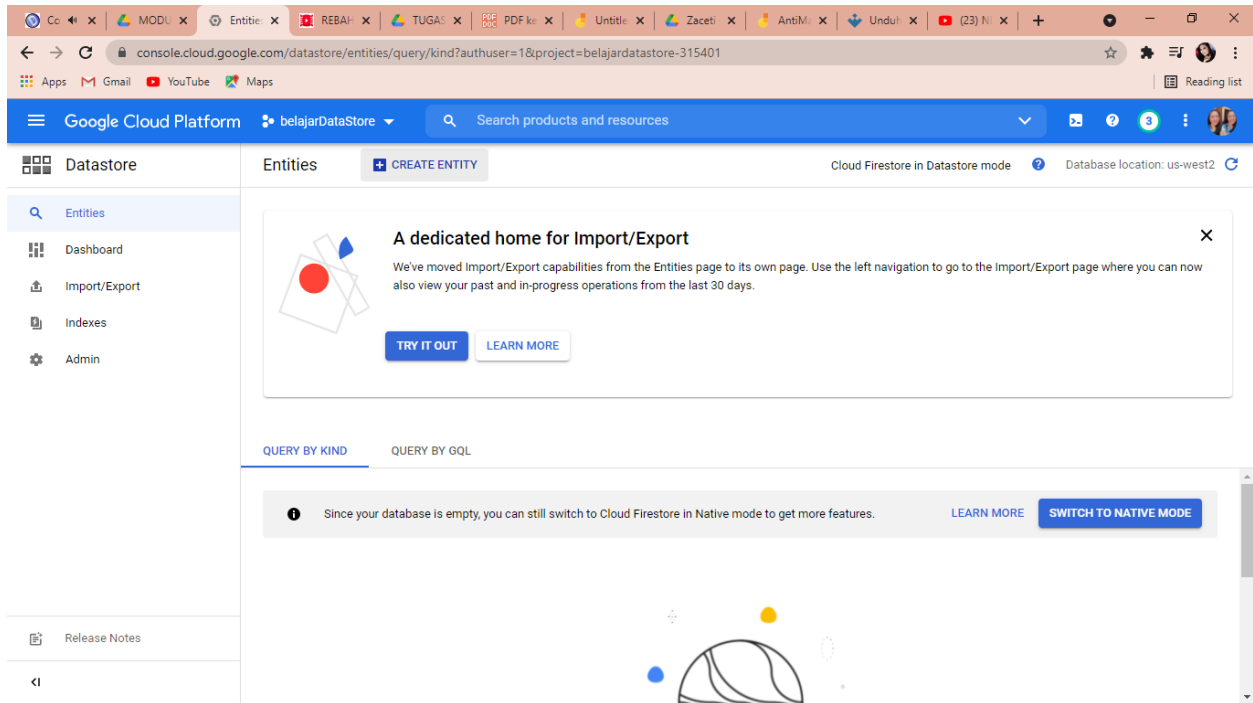
Release Notes

Get started

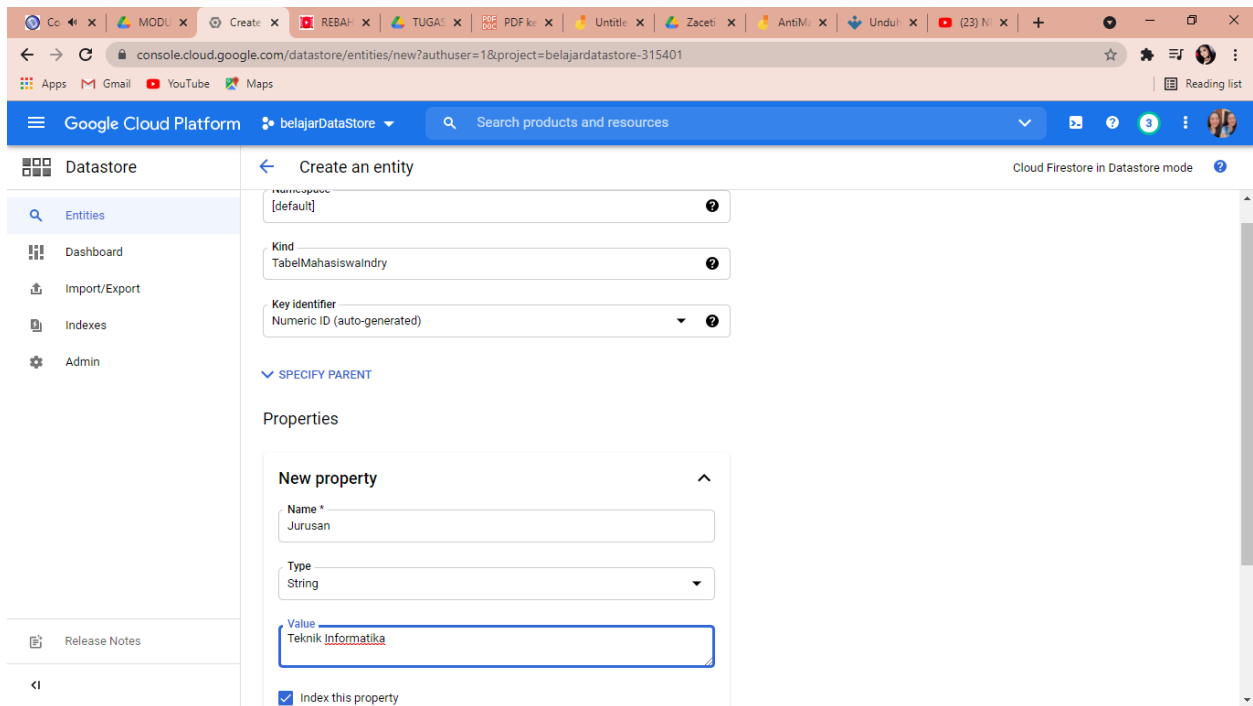
Your database is ready!

Redirecting to your database...

Google Cloud Platform console showing the Datastore Entities page. The page displays a message about a dedicated home for Import/Export capabilities and a notification about switching to Cloud Firestore in Native mode. The left sidebar shows navigation options: Entities, Dashboard, Import/Export, Indexes, and Admin. The main content area includes a "CREATE ENTITY" button and a "QUERY BY KIND" / "QUERY BY GQL" section.



Google Cloud Platform console showing the "Create an entity" form. The form includes fields for Name (default), Kind (TabelMahasiswaIndry), Key identifier (Numeric ID (auto-generated)), and a section for specifying parent properties. The "New property" section shows a property named "Jurusan" of type "String" with a value of "Teknik Informatika". The "Index this property" checkbox is checked.



Google Cloud Platform console showing the "Create an entity" page for a Datastore entity. The page is titled "Create an entity" and shows the "SPECIFY PARENT" section. The "Properties" section is visible, showing a property named "Jurusan" with value "Teknik Informatika" and type "Indexed". A "New property" dialog is open, showing a property named "NIM" with type "Integer" and value "09230491". The "Index this property" checkbox is checked. The "CANCEL" and "DONE" buttons are visible at the bottom of the dialog.

Google Cloud Platform console showing the "Create an entity" page for a Datastore entity. The page is titled "Create an entity" and shows the "SPECIFY PARENT" section. The "Properties" section is visible, showing two properties: "Jurusan" with value "Teknik Informatika" and type "Indexed", and "NIM" with value "09230491" and type "Indexed". A "New property" dialog is open, showing a property named "Nama" with type "String" and value "Maemunah". The "Index this property" checkbox is unchecked. The "CANCEL" and "DONE" buttons are visible at the bottom of the dialog.

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry:ns=__DEFAULT\$___/query?kind=authuser=1&project=belajardatastore-315401

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Datastore Entities CREATE ENTITY DELETE Cloud Firestore in Datastore mode Database location: us-west2

Entities Dashboard Import/Export Indexes Admin

A dedicated home for Import/Export

We've moved Import/Export capabilities from the Entities page to its own page. Use the left navigation to go to the Import/Export page where you can now also view your past and in-progress operations from the last 30 days.

TRY IT OUT LEARN MORE

QUERY BY KIND QUERY BY GQL

Kind TabelMahasiswaIndry FILTER ENTITIES

<input type="checkbox"/>	Name/ID ↑	Jurusan	NIM	Nama
<input type="checkbox"/>	id=5634161670881280	Teknik Informatika	9230491	Maemunah

Entity created. VIEW ENTITY X

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry:ns=__DEFAULT\$___/new?authuser=1&project=belajardatastore-315401

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Datastore Create an entity Cloud Firestore in Datastore mode

Entities Dashboard Import/Export Indexes Admin

SPECIFY PARENT

Properties

Edit property

Name * Jurusan

Type String

Value Sistem Informasi

☒ Index this property

DONE

Nama: Empty

NIM: 0 Indexed

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry:ns=__\$DEFAULTS__/_new?authuser=1&project=belajardatastore-315401

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Create an entity

Cloud Firestore in Datastore mode

Properties

Jurusan: Sistem Informasi
Indexed (Not saved)

Edit property

Name *
Nama

Type
String

Value
Raynaldo

☐ Index this property

DONE

NIM: 0
Indexed

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry:ns=__\$DEFAULTS__/_new?authuser=1&project=belajardatastore-315401

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Cloud Firestore in Datastore mode

Indexed

Nama: Raynaldo
(Not saved)

Edit property

Name *
NIM

Type
Integer

Value *
09230492

☒ Index this property

DONE

ADD PROPERTY

CREATE CANCEL

LATIHAN 2

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndryns=__SDEFAULT\$_/query/kind:filter=%5B%77%2FJurusan%7CSTR%7CEQ%7C16%2FSistem%20Inform...

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Datastore Entities CREATE ENTITY DELETE Cloud Firestore in Datastore mode Database location: us-west2

Entities

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TRY IT OUT LEARN MORE

QUERY BY KIND QUERY BY GQL

TabelMahasiswaIndry FILTER ENTITIES

Jurusan is a string equal to Sistem Informasi

APPLY FILTERS CLEAR FILTERS

<input type="checkbox"/>	Name/ID ↑	Jurusan	NIM	Nama
<input type="checkbox"/>	id=5644004762845184	Sistem Informasi	9230492	Raynaldo

LATIHAN 3

Course x MODL x Entitie x REBA x TUGA x PDF k x Untitle x Zaceti x AntiM x Undul x (23) N x +

console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndryns=__SDEFAULT\$_/query/gql:SELECT%2520*%2520FROM%2520TabelMahasiswaIndry?authuse...

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QUERY BY KIND QUERY BY GQL

```
1 SELECT * FROM TabelMahasiswaIndry
```

RUN QUERY CLEAR QUERY

Suggest kinds: Ctrl + Space Run Query: Ctrl + Enter

<input type="checkbox"/>	Name/ID ↑	Jurusan	NIM	Nama
<input type="checkbox"/>	id=5634161670881280	Teknik Informatika	9230491	Maemunah
<input type="checkbox"/>	id=5644004762845184	Sistem Informasi	9230492	Raynaldo

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console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry&ns=__DEFAULT\$___/query/gql=SELECT%2520*%2520FROM%2520TabelMahasiswaIndry%2520W... ☆ ⚙️ 👤

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QUERY BY KIND QUERY BY GQL

```
1 SELECT * FROM TabelMahasiswaIndry WHERE NIM = 9230492
```

[RUN QUERY](#) [CLEAR QUERY](#) Suggest kinds: Ctrl + Space Run Query: Ctrl + Enter ⓘ

<input type="checkbox"/>	Name/ID ↑	Jurusan	NIM	Nama
<input type="checkbox"/>	id=5644004762845184	Sistem Informasi	9230492	Raynaldo

Course x MODU x Entitie x REBAH x TUGAS x PDF ke x Untitle x Zaceti x AntiM x Undul x (23) N x +

console.cloud.google.com/datastore/entities?kind=TabelMahasiswaIndry&ns=__DEFAULT\$___/query/gql=SELECT%2520*%2520FROM%2520TabelMahasiswaIndry%2520W... ☆ ⚙️ 👤

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QUERY BY KIND QUERY BY GQL

```
1 SELECT * FROM TabelMahasiswaIndry WHERE Jurusan = 'Teknik Informatika'
```

[RUN QUERY](#) [CLEAR QUERY](#) Suggest kinds: Ctrl + Space Run Query: Ctrl + Enter ⓘ

<input type="checkbox"/>	Name/ID ↑	Jurusan	NIM	Nama
<input type="checkbox"/>	id=5634161670881280	Teknik Informatika	9230491	Maemunah