

Google Cloud

My First Project

Search (/) for resources, docs, products, and more

Search

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Firestore

Database

Firestore Studio

Security

Indexes

Import/Export

Disaster Recovery

Time-to-live (TTL)

Insights

Usage

Query insights

Monitoring

Key Visualizer

Release Notes

<1

All databases > Database (default) ⓘ

Panel viewQuery builder

/ > chats > 3NVa1pwsGdGTGdlseqsE ✎

(default)

chats

3NVa1pwsGdGTGdlseqsE

+ Start collection

chats >

+ Add document

3NVa1pwsGdGTGdlseqsE >

3klqynbi8lZ1fZZxB5Z4

4WJK6P10VsS1lSONCcAB

8kn39TNme26rDkHmxBnf

8uOJURlt1dL0317tn9Qh

Bld2rHIYwgwyqD4kSiRH

Ctx0SEXVKsymRS56tRNf

LIVHtlgrSoGgcnSzyemO

3NVa1pwsGdGTGdlseqsE

+ Start collection

+ Add field

message: "Welcome to GCP"

receiver: "userC"

sender: "userD"

timestamp: December 22, 2025 at 12:51:57.498P...

All databases > Database (default) ⓘ

Panel view Query builder

Limit \*

100

🗑️

Selection

WHERE

Field

sender

Operator

==

Value type

string

Value

userA

🗑️

Selection

WHERE

Field

receiver

Operator

==

Value type

string

Value

userB

🗑️

Add to query

Results Analysis

Query results

Document ID	message	receiver	sender	timestamp
Bld2rHIYwgwyqD4kSiRH	'Hello'	'userB'	'userA'	December 22, 2025 at 12:51:57 PM UTC+5:30

Rows per page: 50 1 - 1 of 1 < >

Query scope

Collection

Collection \*

/chats

Limit \*

100

Selection

ORDER BY

Field

timestamp

Order

ascending

Document ID	message	receiver	sender	timestamp
3NVa1pwsGdGTGdlseqsE	"Welcome to GCP"	"userC"	"userD"	December 22, 2025 at 12:51:57 PM UTC+5:30
3klqynbi8lZ1fZZxB5Z4	"Working on Project"	"userC"	"userB"	December 22, 2025 at 12:51:57 PM UTC+5:30
4WJK6P10VsS1ISONCcAB	"Good Morning"	"userA"	"userB"	December 22, 2025 at 12:51:57 PM UTC+5:30
8kn39TNme26rDkHmxBnf	"Keep it up"	"userD"	"userB"	December 22, 2025 at 12:51:57 PM UTC+5:30
8uOJURlt1dL0317tn9Qh	"I will send "	"userA"	"userC"	December 22, 2025 at 12:51:57 PM UTC+5:30
Bld2rHlYwgwyqD4kSiRH	"Hello"	"userB"	"userA"	December 22, 2025 at 12:51:57 PM UTC+5:30
Ctx0SEXVKsymRS56tRNf	"Nice"	"userB"	"userC"	December 22, 2025 at 12:51:57 PM UTC+5:30
LlVHtlgrSoGgcnSzyemO	"Welcome to Azure"	"userE"	"userD"	December 22, 2025 at 12:51:57 PM UTC+5:30
M2vweTKcwnVFE0VwegiP	"Welcome to AWS"	"userD"	"userE"	December 22, 2025 at 12:51:57 PM UTC+5:30
wCE2RBpRAR8QXGvoFfVV	"Welcome to Python"	"userF"	"userE"	December 22, 2025 at 12:51:57 PM UTC+5:30



Project Overview

Project shortcuts

Firestore Database

Product categories

Build

Run

Analytics

AI

Related development tools

Firestore Studio

Blaze  
Pay as you go

Modify

My First Project

Cloud Firestore

## Database

Add database

Ask Gemini about the core concepts to use Firestore

Data

Rules

Indexes

Disaster Recovery

Usage

Extensions

Develop & Test



Today • 1:34 PM



Today • 1:16 PM



Today • 12:49 PM

```
1 rules_version = '2';
2
3 service cloud.firestore {
4   match /databases/{database}/documents {
5
6     match /chats/{chatId} {
7
8
9       allow read: if request.auth != null &&
10         (
11           resource.data.sender == request.auth.uid ||
12           resource.data.receiver == request.auth.uid
13         );
14
15
16       allow write: if request.auth != null &&
17         request.resource.data.sender == request.auth.uid;
18     }
19   }
20 }
21
```

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Firestore

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All databases > Database (default) ⓘ

Security Rules help protect and secure your Firestore database by defining what mobile and web clients that connect to your database can access. [Learn more](#)

View your rules 

Last updated Dec 22, 2025 at 1:35:29PM GMT+5

Rules only apply to mobile and web clients connecting to your database. Cloud IAM securely manages your internal server to database connections. [Learn more](#)

Refresh

You can edit or write your own rules using the Firebase console or command-line interface. [Learn more](#)

1 rules\_version = '2';

2

3 service cloud.firestore {

4 match /databases/{database}/documents {

5

6 match /chats/{chatId} {

7

8

9 allow read: if request.auth != null &&

10 (

11 resource.data.sender == request.auth.uid ||

12 resource.data.receiver == request.auth.uid

13 );

14

15

16 allow write: if request.auth != null &&

17 request.resource.data.sender == request.auth.uid;

18 }

19 }

20 }

21



cloudshell X + ▾



```
Welcome to Cloud Shell! Type "help" to get started, or type "gemini" to try prompting with Gemini CLI.
To set your Cloud Platform project in this session use `gcloud config set project [PROJECT_ID]`.
You can view your projects by running `gcloud projects list`.
bhanuprasadbatthula@cloudshell:~$ curl -X GET \
"https://firestore.googleapis.com/v1/projects/proven-record-481104-g3/databases/(default)/documents/chats"
{
  "error": {
    "code": 403,
    "message": "Missing or insufficient permissions.",
    "status": "PERMISSION_DENIED"
  }
}
bhanuprasadbatthula@cloudshell:~$
```