

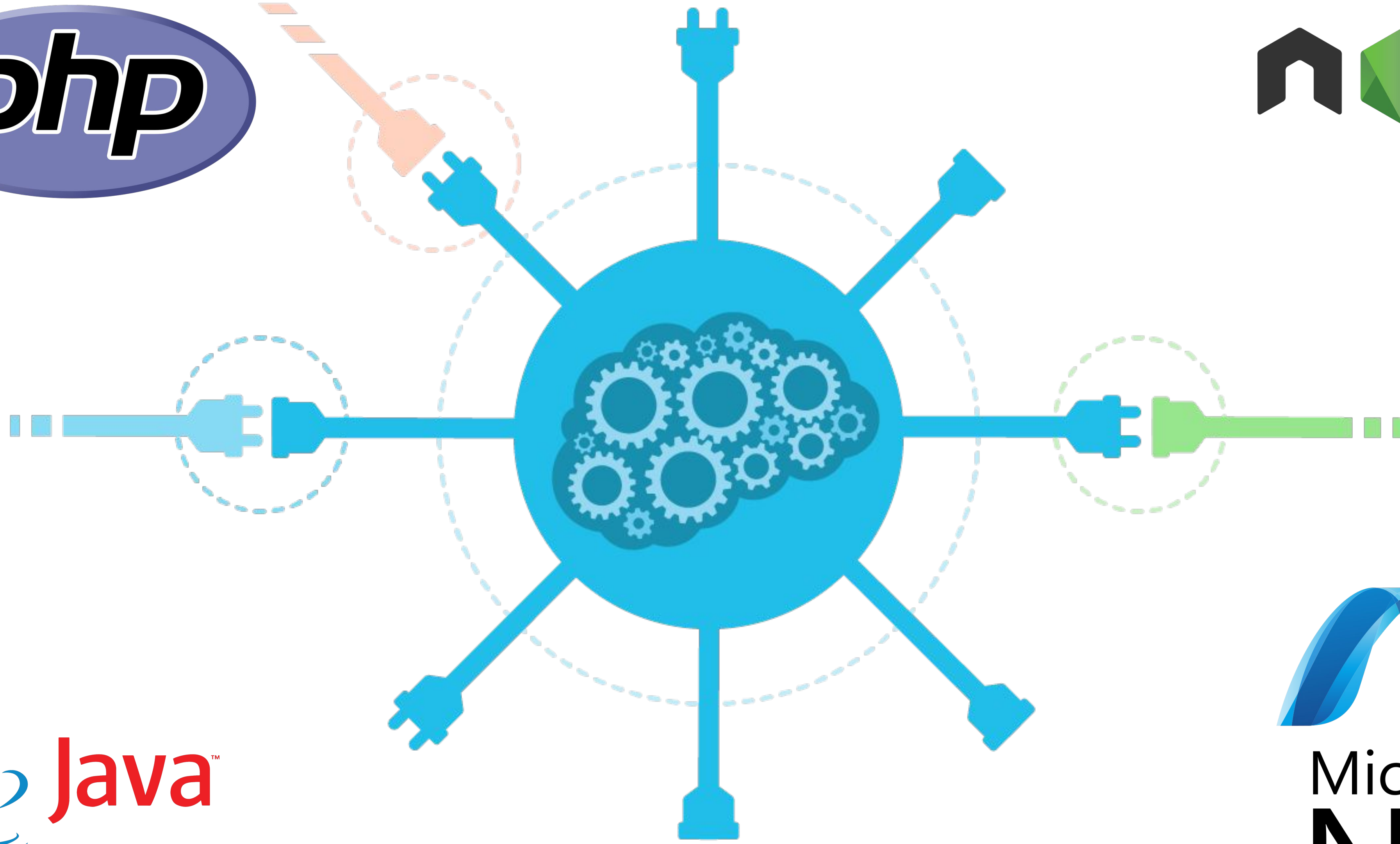


Flutterando

Casamento Perfeito



FLUTTER ❤️ HASURA








Instant realtime GraphQL on Postgres

hasura.io

Join data across databases, microservices, and SaaS APIs with a GraphQL API. #JoinAllTheThings

 HASURA

Star 11,439

FEATURES

DOCS

BLOG

COMMUNITY

USE CASES

SUPPORT PLANS


TUTORIALS

SCHEDULE DEMO

GET STARTED






Instant Realtime GraphQL on Postgres

Open-source • Add to existing postgres • Fine-grained access control • Blazing fast

 Get Started With Heroku Free Tier

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Awesome product updates; no spam

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- 
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- PostgreSQL é um banco de dados relacional
 - O GraphQL é uma linguagem de consulta para API's criada pelo Facebook. O GraphQL usa somente um endpoint, e seu foco são as queries trazendo somente o que se pede.
- 
- 

- 
- 
- Hasura é um engine que faz o mapeamento das tabelas do banco para GraphQL, porque o trabalhoso de usar GraphQL é a criação dos schemas, com o Hasura é possível criar um banco de dados relacional e expor isso em uma API sem nenhuma dificuldade
- 
- 

GraphQL Endpoint

POST

https://test-hasura-connect.herokuapp.com/v1/graphql

Request Headers

Key	Value
<input checked="" type="checkbox"/> content-type	application/json
Enter Key	Enter Value

Explorer

query

☐ messages

☐ messages_aggregate

☐ messages_by_pk

☐ users

☐ users_aggregate

☐ users_by_pk

mutation

☐ delete_messages

☐ delete_users


☐ insert_messages

☐ insert_users

☐ update_messages

☐ update_users

GraphiQL




Prettify

History

Analyze

Explorer

Voyager 


[Docs](#)

```
1 # Welcome to GraphiQL
2 #
3 # GraphiQL is an in-browser tool for writing, validating,
4 # testing GraphQL queries.
5 #
6 # Type queries into this side of the screen, and you
7 # typeahead-aware of the current GraphQL type schema
8 # validation errors highlighted within the text.
9 #
10 # GraphQL queries typically start with a "{" character
11 # with a # are ignored.
12 #
13 # An example GraphQL query might look like:
14 #
15 #   {
16 #     field(arg: "value") {
17 #       subField
18 #     }
19 #   }
```

Schema - Data | Hasura

test-hasura-connect.herokuapp.com/console/data/schema/public

Incognito (2)

HASURA v1.0.0-beta.4

GRAPHIQL

DATA

REMOTE SCHEMAS

EVENTS

SECURE YOUR ENDPOINT

Schema: public

search table/view/function

Tables (2)

Add Table

messages

users

SQL

Schema

Create Table

Current Postgres schema

public

Untracked tables or views

There are no untracked tables or views

Untracked foreign-key relations

Track All

Track

users → [messages] - messages . user_id → users . id

Schema permissions summary

Add Table - Data | Hasura

test-hasura-connect.herokuapp.com/console/data/schema/public/table/add

Incognito (2)

Hasura

v1.0.0-beta.4

Schema:

public

search table/view/function

Tables (2)

messages

users

SQL

Add Table

GRAPHIQL

DATA

REMOTE SCHEMAS

EVENTS

SECURE YOUR ENDPOINT

?

Add a new table

Table Name

table_name

Columns

column_name

column_type

default_value

Nullable

Unique

+ Frequently used columns

Primary Key

-- select --

Foreign Keys

Add a foreign key

(You can add foreign keys later as well)

Unique Keys

Add a unique key

(You can add unique keys later as well)

Comment

Request Headers

Key	Value
<input checked="" type="checkbox"/> content-type	application/json
Enter Key	Enter Value

Explorer

- ☐ messages
- ☐ messages_aggregate
- ☐ messages_by_pk
- ☒ users
 - ☐ distinct_on:
 - ☐ limit:
 - ☐ offset:
 - ☐ order_by:
 - ☒ where:
 - ☐ _and:
 - ☐ _not:
 - ☐ _or:
 - ☒ email:
 - ☒ _eq: "matheus@flutterando.com.br"
 - ☐ _gt:
 - ☐ _gte:
 - ☐ _ilike:
 - ☐ _in:
 - ☐ is null:

GraphiQL

▶

Prettify

History

Analyze

Explorer

Voyager

< Docs

```
1 query {
2   users(where: {email: {_eq: "matheus@flutterando.com.br"}}) {
3     id
4     picture
5     name
6     email
7   }
8 }
9
```



QUERY VARIABLES

1

```
{
  "data": {
    "users": [
      {
        "id": 6,
        "picture":
"https://i0.wp.com/flutterando.com.br/wp-content/uploads/2019/06/perfil_matheus.jpg?w=1080&ssl=1",
        "name": "Matheus Perez",
        "email":
"matheus@flutterando.com.br"
      }
    ]
  }
}
```




Ok, mais como funciona?

- Query - consulta
 - Mutation - Atualização na tabela(Update, Delete, Insert)
 - subscription - consultas em tempo real
- 
- 

Retorno

```
{
  "data": {
    "users": [
      {
        "id": 6,
        "name": "Matheus Perez",
        "email": "matheus@flutterando.com.br",
        "picture": "https://i0.wp.com/flutterando.com.br/wp-
content/uploads/2019/06/perfil_matheus.jpg?w=1080&ssl=1"
      }
    ]
  }
}
```




Query

```
query {  
  users(where: {email: {_eq: "matheus@flutterando.com.br"}}) {  
    id  
    picture  
    name  
    email  
  }  
}
```



Mutation



```
mutation {  
  insert_users(objects: {name: "Alencar", email: "alencar@gmail.com"}) {  
    returning {  
      id  
    }  
  }  
}
```






Subscription

```
subscription {  
  messages {  
    id  
    content  
    user {  
      name  
    }  
  }  
}
```



Resumindo

- Adeus Demora pra construção de API's
 - Adeus complexidade
 - Adeus Dificuldade de Manutenção
- 
- 



Então é possível criar uma API do 0 em poucos minutos

SIM, SIMPLES ASSIM!





MAKE GIFS AT GIFSOUP.COM



hasura_connect | Dart Package x

pub.dev/packages/hasura_connect

pub.dev

Getting Started: Flutter Web & Server

Search Dart packages

hasura_connect 0.1.2

Published Aug 23, 2019

FLUTTER WEB OTHER

Readme Changelog Example Installing Versions 88

Hasura Connect Package

Connect your Flutter/Dart apps to Hasura simply.

Install

Add dependency in your pubspec.yaml file:

```
dependencies:  
  hasura_connect:
```

or use Slidy:

```
slidy install hasura_connect
```

Usage

A simple usage example:

About

Connect your Flutter/Dart apps to Hasura simply. All the power of GraphQL and Postgres in Flutter

[Repository \(GitHub\)](#)

[View/report issues](#)

[API reference](#)

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Uploader

✉ jacobaraujo7@gmail.com

License

MIT ([LICENSE](#))

Dependencies

[http](#), [websocket](#)

More

[Packages that depend on hasura_connect](#)







Sobre o Palestrante

Vilson Blanco Dauinheimer - Bwolf



Tecnólogo - Análise e Desenvolvimento de Sistemas

Experiência - Desenvolvedor a 9 anos.

Cargo - Co-Founder da Flutterando





Obrigado!