



# GPT 与数据库的生态整合



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# 自然语言到SQL







```
CREATE TABLE `bookshop`.`users` (  
  `id` bigint,  
  `nickname` varchar(100),  
  `balance` decimal(15,2)  
);
```

```
CREATE TABLE `bookshop`.`books`  
  `id` bigint NOT NULL,  
  `title` varchar(100),  
  `type` enum('Magazine', 'Nove  
  `published_at` datetime,  
  `stock` int,  
  `price` decimal(15,2)  
);
```



CREATE TABLE ...

ossinsight-on-ser...

Overview

Chat2Query

Branches

Data

Import

Backup

Monitoring

Diagnosis

Metrics

Events

Security

SQL Users

Chat2Query BETA

Schemas

SQL Files

+

Search

Getting Started

Getting Started

Run

Explain



...



```
1  /* Getting Started:
2     Utilizing AI-powered SQL generation to 10X accelerate your data exploration.
3     Press ENTER right after the below comment to give it a try. */
4  use sample_data;
5  -- Find the most popular repo from GitHub events
```


Query log

Result

Chart

Click  or press  + Enter to run selected SQL statements or the one where your cursor is placed.

Press  +  + Enter to run all statements at once.

Type "-- your question" +  to try out AI-generated SQL queries.


?

```
SELECT
    `repo_name`,
    COUNT(*) AS popularity
FROM
    `github_events`
GROUP BY
    `repo_name`
ORDER BY
    popularity DESC
LIMIT
    1;
```




# OSS Insight




[Data Explorer](#) [Collections](#) [Live](#) [Blog](#) [API](#) [Widgets](#) [More](#)

SELECT insights FROM 6,607,905,277 GitHub events

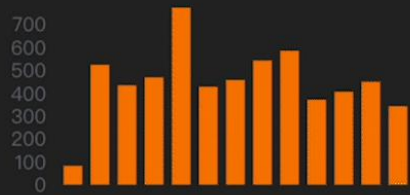
Open Source Software


 Insight

Deep insight into developers and repos on GitHub  
about stars, pull requests, issues, pushes, comments, reviews...

 **TiDB Cloud**

Events per 5 seconds



What is happening on GitHub NOW! 

devids84 pushed to devids84/Xiaomi.eu-HyperOS-1.0-XML-C...

TeekhathatTT pushed to TeekhathatTT/Daily-Git-Commit


Hall-1910 pushed to brand22/d3

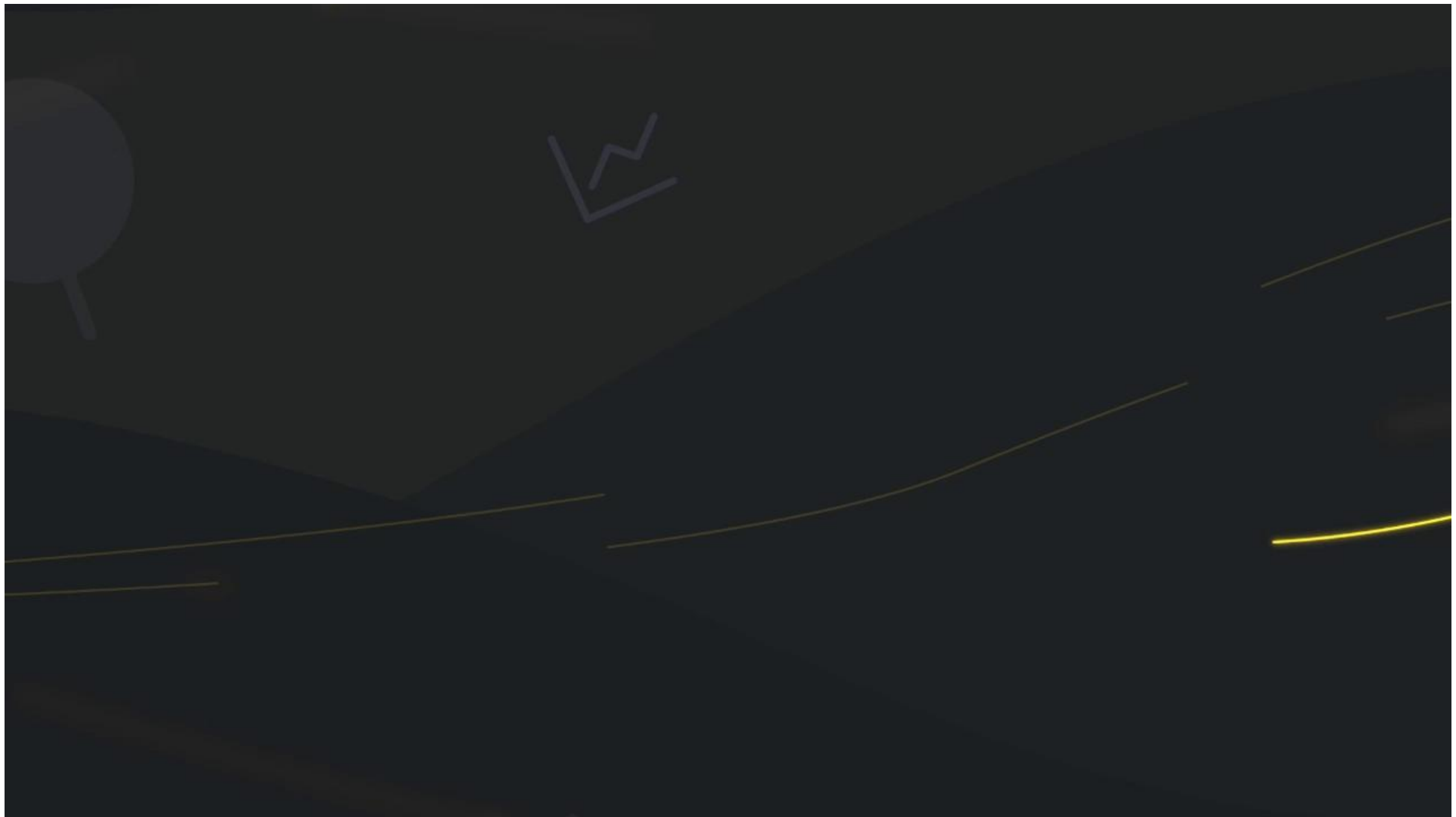
B74LABgit pushed to B74LABgit/CAM

Hall-1910 pushed to brand22/d3

jhasanov pushed to ADA-SITE-JML/medical-imaging

Vsonneveld pushed to Vsonneveld/foroxity-genres

 [HOW DO WE CREATE THIS REAL-TIME EFFECT?](#)

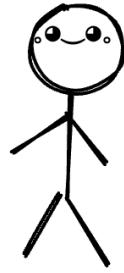




Select Count(\*)



# 自然语言到图表



I want  
to know...



# GitHub Data Explorer Beta

Explore **6,721,325,047** GitHub data with no SQL or plotting skills. Powered by TiDB Cloud

Questions about GitHub repos, users, orgs, languages...

## Popular questions

How diverse is django's community (by coders' distribution) Repositories



Summary of @gvanrossum's contribution by event type in 2022 Developers



GitHub data is not your focus?

Import any dataset

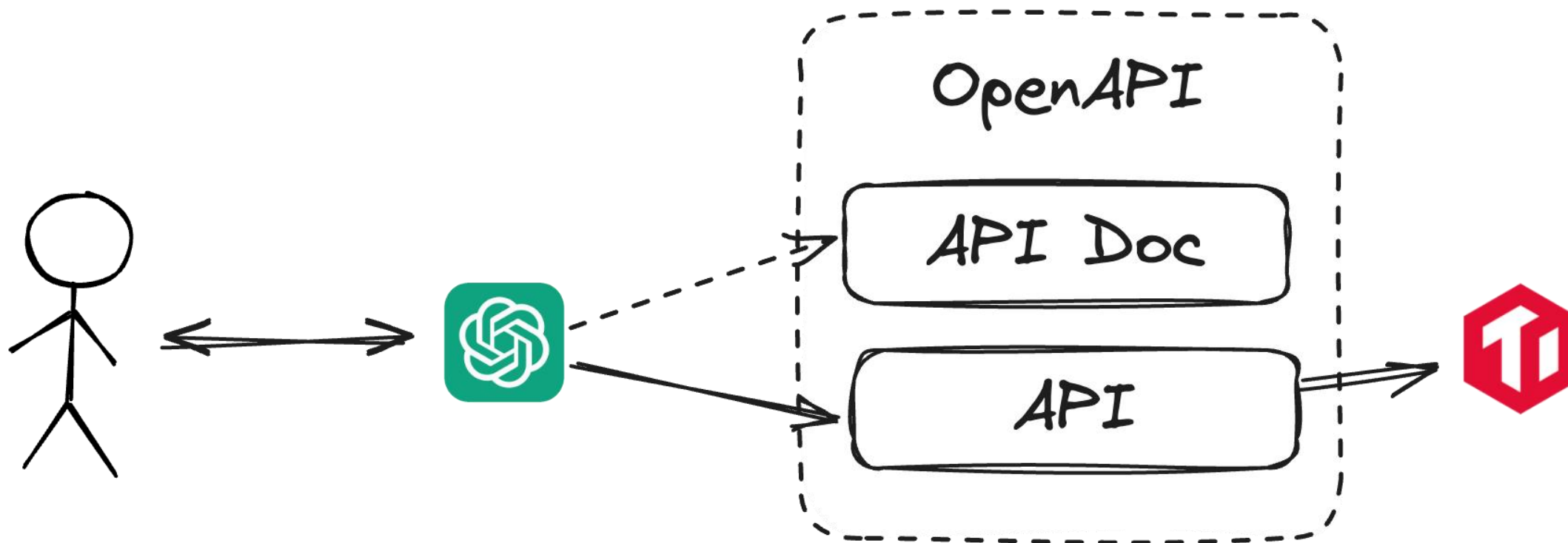
Input questions

All Organizations Developers Repositories Languages Compare Trends Ranking  
Others

- › distribution by number of followers, steps 100, only count range [500, 3000], use line chart
- › What are the top repositories, created after July 1 2021, by contributions by all of the top 5 contributors to the following libraries: Apache Spark, Apache Ray, Tensorflow, PyTorch, HuggingFace transformers, airbyte, and delta lake
- › What are the top python projects in 2022
- › How many projects got over 5000 stars Repositories
- › Which GitHub repo has the most issues? Repositories
- › Show me the star history of @redis/redis
- › What projects do @gvanrossum and @gaeaon both like?
- › What happened yesterday, by pie graph
- › pull request amount each month
- › Summary of @gvanrossum's contribution by event type in 2022 Developers
- › What are the most popular projects owned by the US developers?
- › Who is the first contributor to repo @torvalds/linux Repositories
- › How many users online on '2023-01-12 16:00 - 2023-01-13 16:00' Others
- › number of projects that use Go vs Rust Languages

# Thoughts to insights made easy(with AI)

# GPTs 调用数据库 API





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Data Service

BETA

search

▼ Demo

GET /demo

tidb-steam-example

Settings

Deployments

Usage

Data App Properties

Base URLhttps://data....

App IDdataapp-aLx...

App NameDemo

App Version1.0.0

Create byqizhi.wang@pin...

Created at2023-12-28 21:...

Description

Connect to GitHub

To seamlessly integrate TiDB Cloud Data Service with your system architecture and DevOps process, you can manage all configurations of your data application as code files through GitHub repositories. If you associate GitHub for deployment purposes, please follow the instructions provided [here](#).

Connect

Deployment Configuration

Configure

Configure the deployment configuration with options for auto sync & deployment (only for GitHub connection) and review draft.

Review Draft

Integrate with GPTs

Get Configuration

Integrate OpenAI's GPTs with ease. Find essential configuration details for seamless setup, enhancing your applications with intelligent capabilities.

Authentication

Create API Key

Use API Keys for endpoint authentication through basic and digest mechanisms. Customize request quotas for each API Key to prevent HTTP 429 status codes. Discover further about API Keys in our [documentation](#).

API Specification





You

Give me one repo that worth to invest within this month, according to the GitHub metrics. And show the insights to it.



OSS GPT by Max



Message OSS GPT by Max...



< Share



ChatGPT can make mistakes. Consider checking important information.



# Thank You



**Scan and visit!**

Play with OSS Insight