

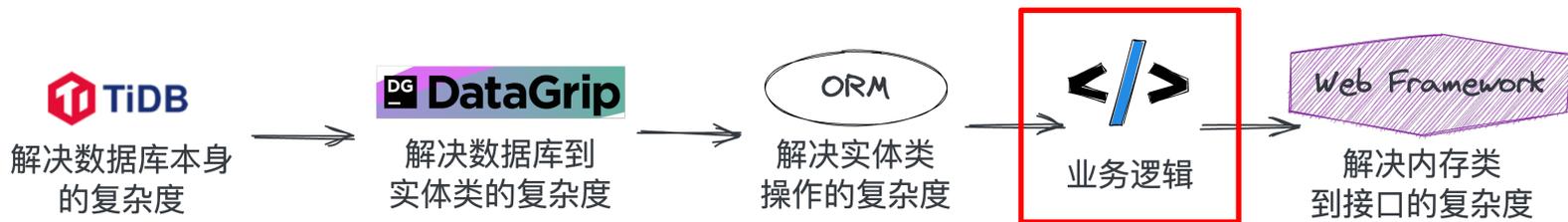
DataGrip x TiDB

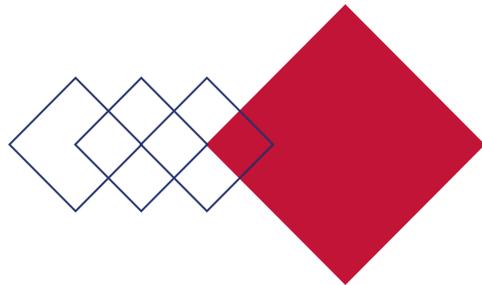
使用分布式数据库简化开发流

演讲人：王琦智

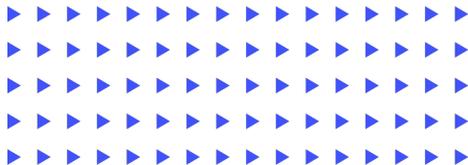


workflow





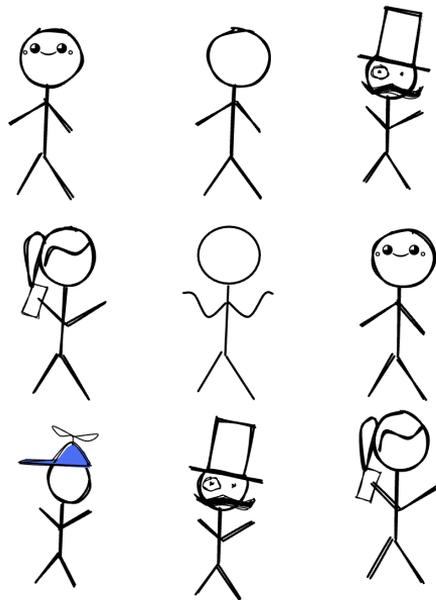
什么是分布式数据库



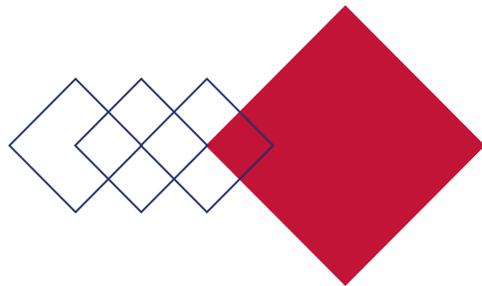
分布式+数据库



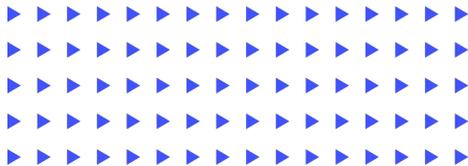
Full Stuck



Multi-Role Team



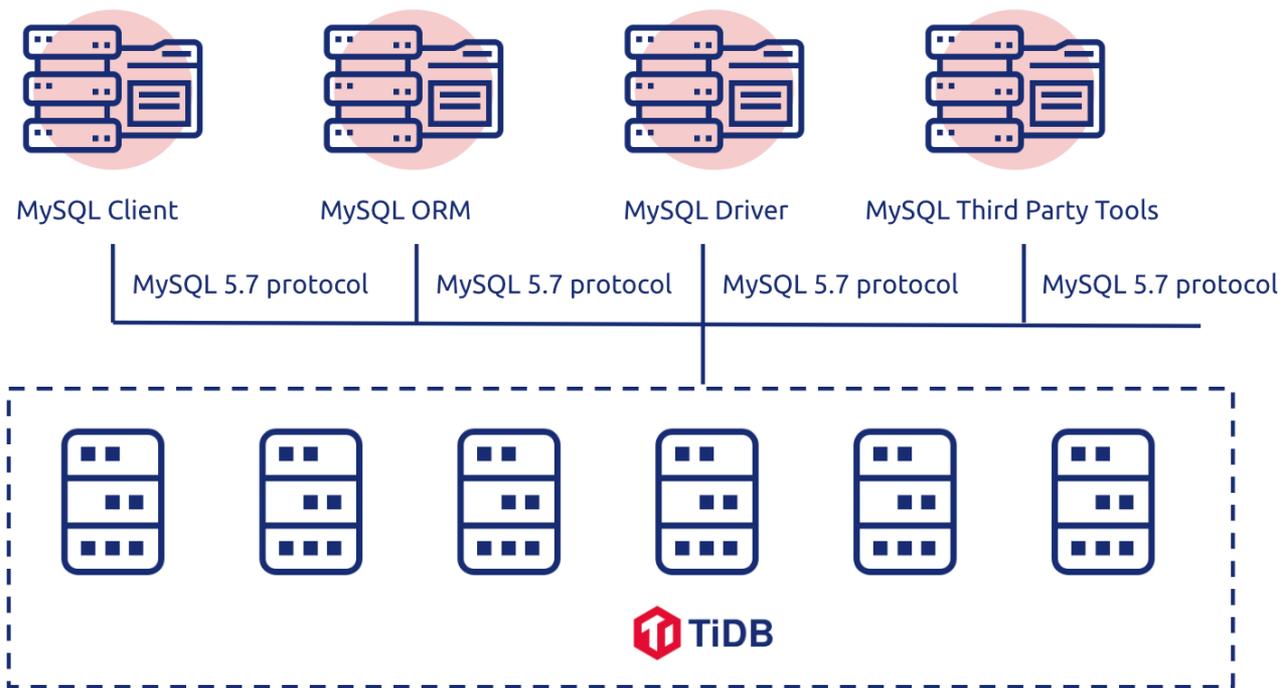
什么是 TiDB

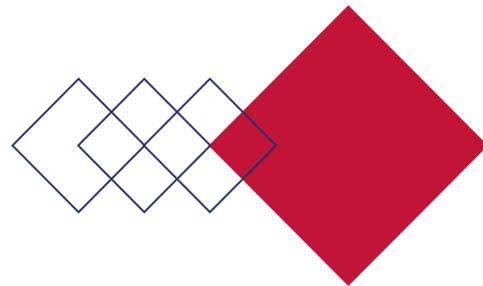


XXXXXXXXXXL Size 的 MySQL

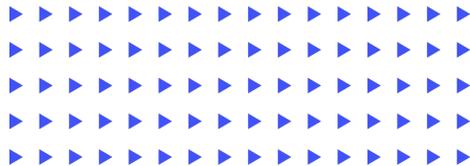


MySQL 生态





什么是 DataGrip



所有数据库的连接工具

 TiDB | COMMUNITY



DataGrip

Many databases, one tool

两种形态：DataGrip 单体

The screenshot displays the DataGrip IDE interface. On the left, a tree view shows the database structure for 'Postgres in Docker', including schemas like 'public' and 'languages'. The main editor shows a SQL query:

```
SELECT DISTINCT *
FROM actor
JOIN film_actor ON actor.actor_id = film_actor.actor_id
JOIN f_
JOIN film ON film_actor.film_id = film.film_id
JOIN film_category ON actor.last_update = film_category.last_...
JOIN film_category ON film_actor.film_id = film_category.film...
JOIN film_category ON film_actor.last_update = film_category....
```

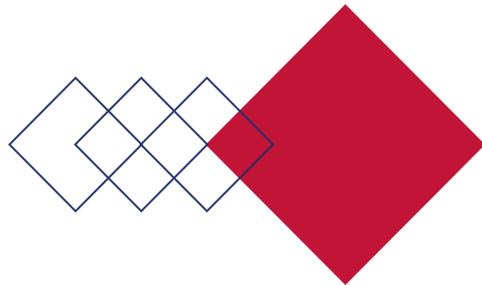
A dropdown menu is open over the query, showing options to insert or replace table names. Below the query, a table of results is displayed with columns: actor_id, first_name, last_name, and last_update. The table contains 9 rows of data.

	actor_id	first_name	last_name	last_update
1	56	DAN	HARRIS	2006-02-15 04:34:33.00
2	113	MORGAN	HOPKINS	2006-02-15 04:34:33.00
3	93	ELLEN	PRESLEY	2006-02-15 04:34:33.00
4	27	JULIA	MCQUEEN	2006-02-15 04:34:33.00
5	131	JANE	JACKMAN	2006-02-15 04:34:33.00
6	196	BELA	WALKEN	2006-02-15 04:34:33.00
7	68	RIP	WINSLET	2006-02-15 04:34:33.00
8	95	DARYL	WAHLBERG	2006-02-15 04:34:33.00
9	79	MAE	HOFFMAN	2006-02-15 04:34:33.00

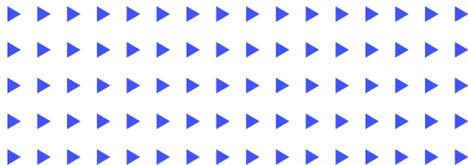
两种形态：IDE 的 Database 插件

The screenshot displays an IDE interface with a database plugin. The central pane shows a table of stock data with columns for stock ID, symbol, exchange, and company name. The table is sorted by stock ID in ascending order. The left sidebar shows a project tree for 'tidb-example-java'. The right sidebar shows a database tree for 'TiDB 10' with various schemas and tables. The bottom status bar indicates the project is finished.

ID	Symbol	Exchange	Company Name
1	AAPL	NMS	Apple Inc
2	MSFT	NMS	Microsoft
3	GOOG	NMS	Alphabet
4	GOOGL	NMS	Alphabet
5	AMZN	NMS	Amazon.com
6	BRK-B	NYQ	Berkshire
7	XOM	NYQ	Exxon Mobil
8	UNH	NYQ	UnitedHealth
9	JNJ	NYQ	Johnson & Johnson
10	JPM	NYQ	JP Morgan Chase
11	WMT	NYQ	Walmart
12	NVDA	NMS	NVIDIA Corporation
13	MA	NYQ	Mastercard
14	PG	NYQ	Procter & Gamble
15	LLY	NYQ	Eli Lilly
16	HD	NYQ	Home Depot
17	CVX	NYQ	Chevron
18	MRK	NYQ	Merck & Co.
19	ABBV	NYQ	AbbVie Inc
20	BAC	NYQ	Bank of America
21	KO	NYQ	Coca-Cola
22	PFE	NYQ	Pfizer
23	PEP	NMS	PepsiCo
24	AVGO	NMS	Broadcom
25	ORCL	NYQ	Oracle Corporation



单体数据库有什么问题



传统架构演进



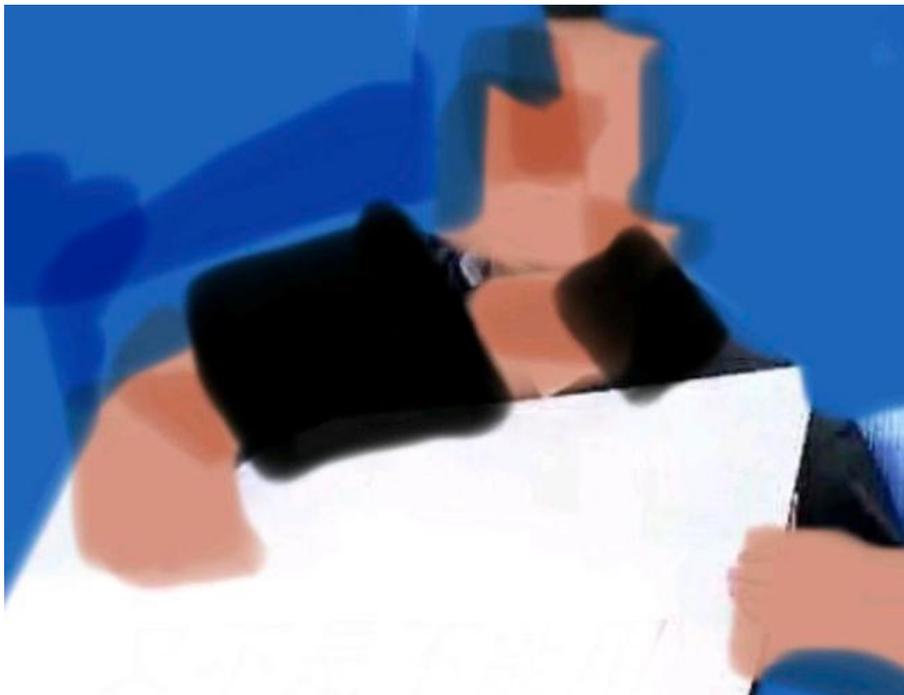
传统架构演进

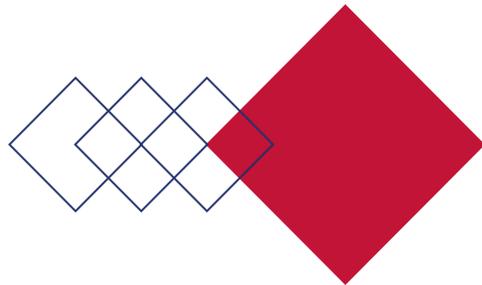


传统架构演进



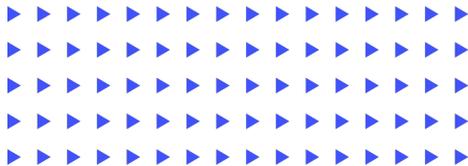
传统架构核心思想



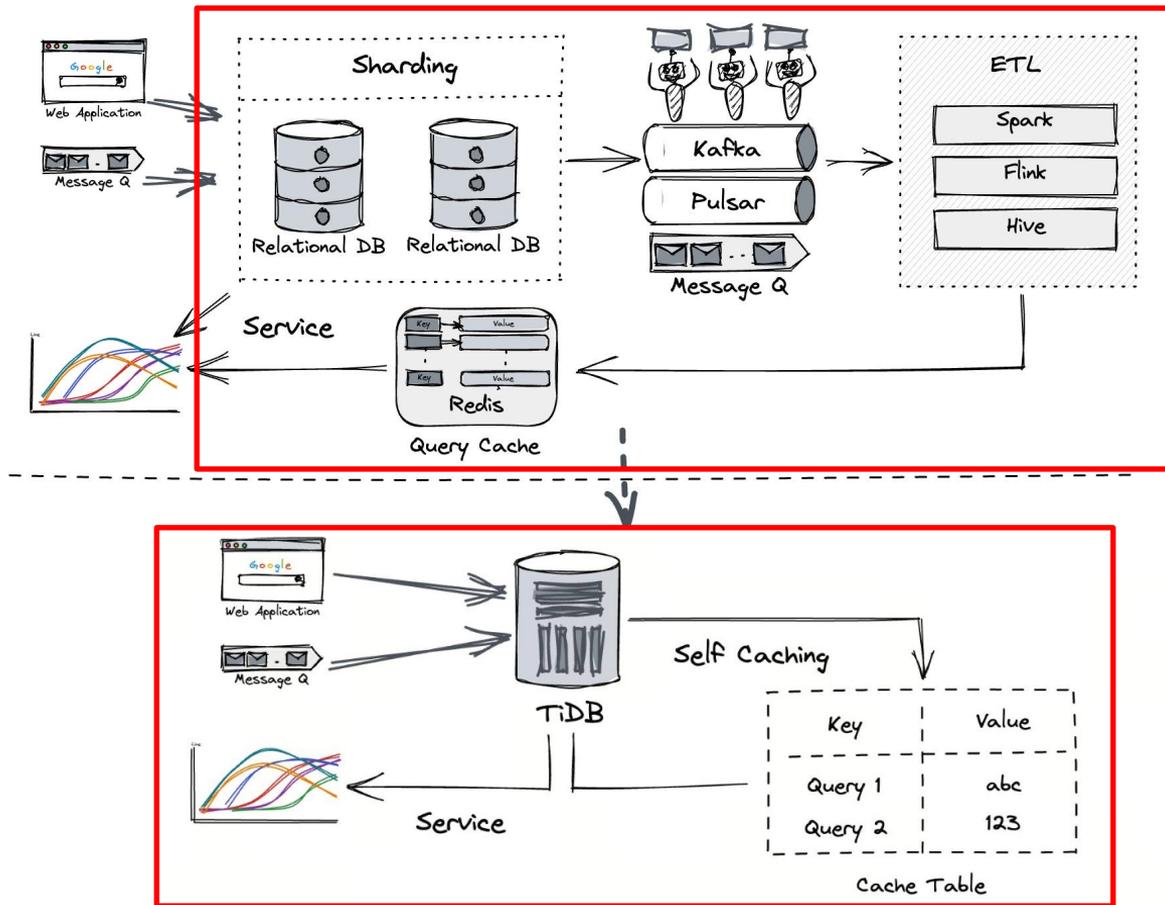


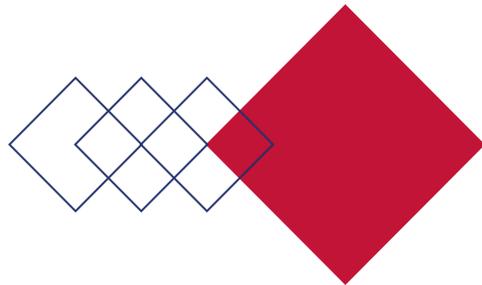
分布式数据库

给开发者带来了什么



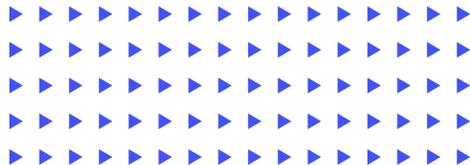
架构对比





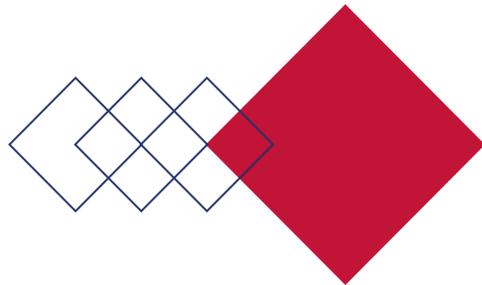
简化开发流

给开发者带来了什么



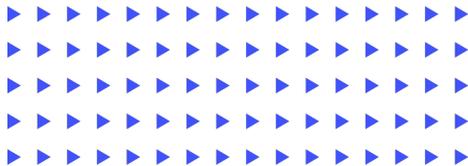
后端开发体验回归 LAMP 时代





开发者视角下的

TiDB Serverless Tier



小集群免费

BETA

Serverless

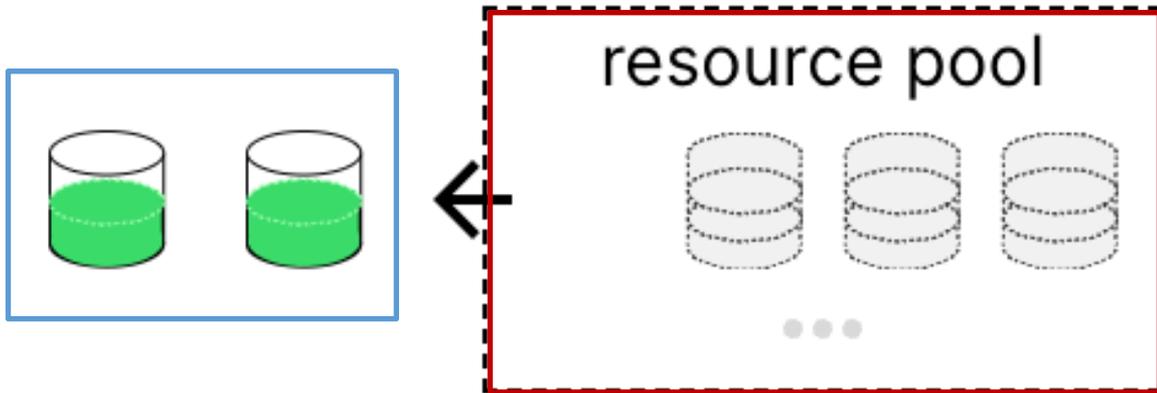
High available elastic clusters with free forever option.

- ✓ Full access to HTAP functionality
- ✓ 5GiB Storage **FREE** forever
- ✓ 50M Request Units **FREE** each month

按需取用，随借随还



Pay as you go, 不为闲置付费

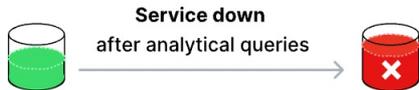


按需付费

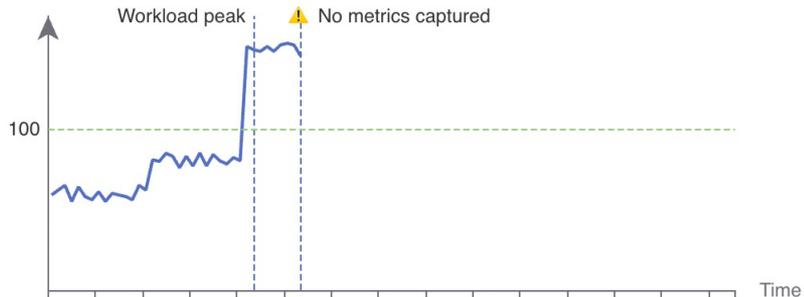
无需为闲置资源付费

突发流量，无需处理

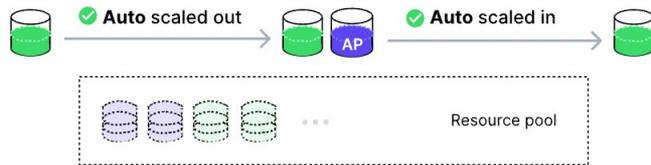
Database Status



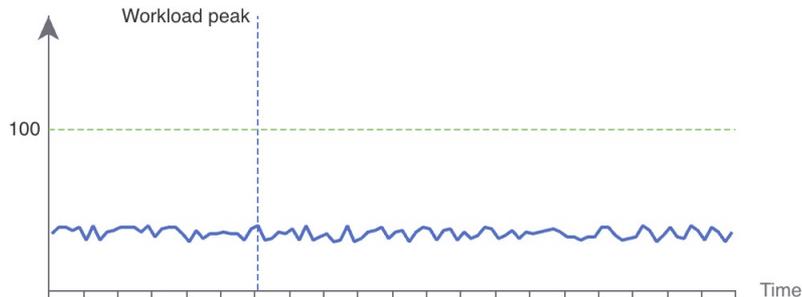
Latency



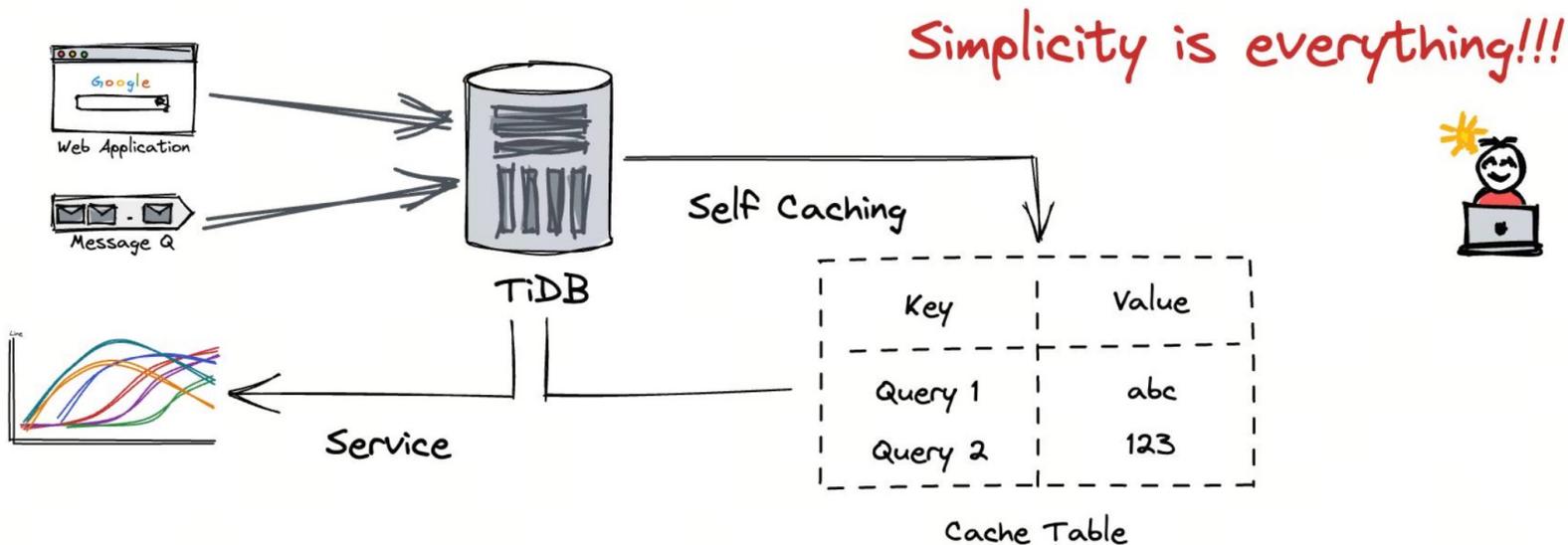
Database Status

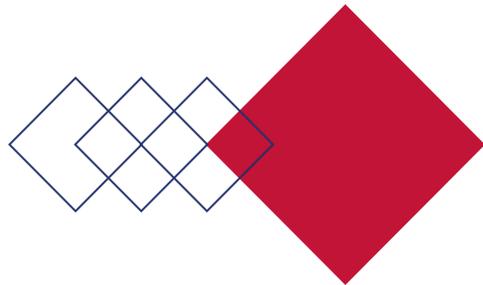


Latency

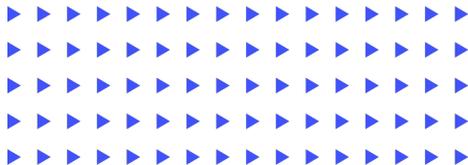


Simplify is everything!

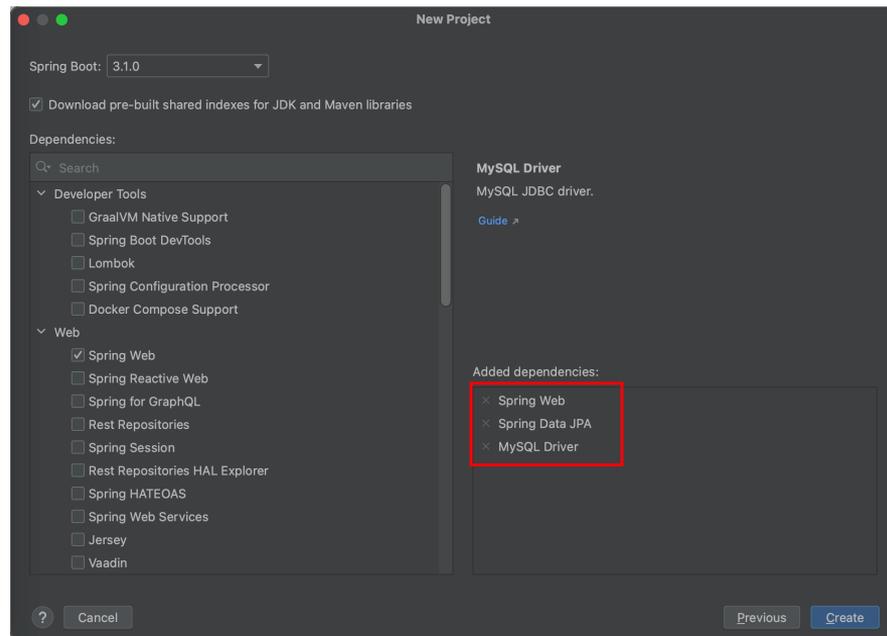
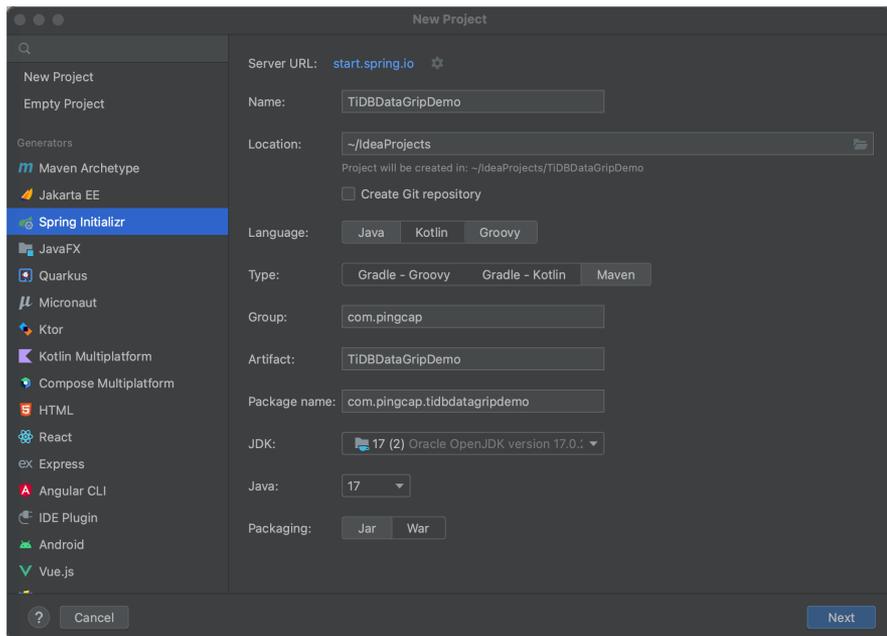




DataGrip x TiDB 开发



IntelliJ IDEA x TiDB



GoLand x TiDB



从容面对未知的世界



05-11 · 发布

关注

不小心一个表存了20亿数据，半夜起来分表，CPU满载运行中



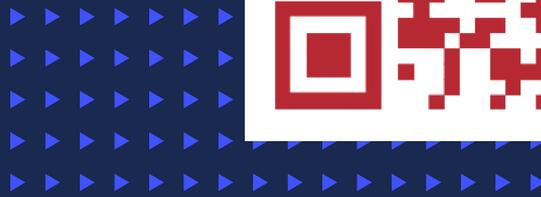
发布于 江苏





Thanks

TiDB Cloud



OSSInsight

