Database Sharding Support in Propel

Asked 15 years, 10 months ago   Modified 3 years, 2 months ago

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Just wonder how good is Propel's support for database sharding? I am thinking about creating my application in PHP, using MySQL as the database server and Propel as the ORM.

I figure out that it may be good to keep the architecture scalable right from the start, just in case my application takes off.

What's your take?

`database`   `propel`   `sharding`

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edited Feb 12, 2009 at 9:43

asked Feb 12, 2009 at 9:38

Graviton
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4

I think that's a very bad idea. Assuming that you need to shard your data is not a good assumption. You don't know, in advance, how you're going to want to scale. Sharding is a very complicated business and needs to be avoided if at all possible. This is an obscene case of premature optimisation.

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answered Feb 15, 2009 at 13:36

MarkR
63.5k ● 15 ● 119 ● 154

I agree with MarkR that it's too early to be worrying about sharding, but I disagree that it should be avoided if at all possible. I'd say go with the ORM that seems to fit your style and language choice -- and Propel is probably the right one in your case. Even if your application takes off in a big way, sharding probably won't be necessary -- you can easily pull off 25 million records with a MySQL-based DBMS and some decent caching techniques, so just focus on making your queries fast and design for easy memcache-integration, and you'll be a happy camper even when your app takes off.

Good luck with it!

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answered Feb 20, 2009 at 19:35

Jens Roland
27.8k ● 15 ● 84 ● 105

Propel supports sharding out of the box through connections. check an example here:

http://groups.google.com/group/propel-users/browse_thread/thread/4d19c0668aa17452

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answered Mar 1, 2010 at 9:37

Francois Zaninotto
21 ● 1

0

Some database sharding middleware can help you. For example: Apache ShardingSphere (https://shardingsphere.apache.org/document/current/en/features/sharding/)

There are 2 adaptors of ShardingSphere, JDBC and Proxy. JDBC is the java driver to connect database which no fit for PHP, but Proxy is just like the database (MySQL or Postgres). ShardingSphere-Proxy can isolate the data sharding and business logic. It is better to use third party middleware to handle common problems.

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answered Oct 13, 2021 at 1:19

Liang Zhang
76 ● 5