Replication and read-write splitting

In this recipe we will have a look at how to do replication and read-write splitting. We will see how slave and master servers help us in getting these done.

Getting ready

1. Create a new application using the Composer package manager, as described in the official guide at <http://www.yiiframework.com/doc-2.0/guide-start-installation.html>.

2. Set up the database connection and create a table named post, as follows:

DROP TABLE IF EXISTS 'blog\_post';

CREATE TABLE IF NOT EXISTS 'blog\_post' (

'id' INT(10) UNSIGNED NOT NULL AUTO\_INCREMENT,

'title' VARCHAR(255) NOT NULL,

'text' TEXT NOT NULL,

'created\_at' INTEGER,

' modified\_at'INTEGER,

PRIMARY KEY ('id')

);

3. Generate the BlogPost model for the table blog\_post.

4. Configure master-slave replication between your database servers, for example, as in the article at [https://www.digiralocean.com/communirv/tutoria1s/how-to-ser-up-masrer-s1ave-rep1ication-in-mysql/](https://www.digitalocean.com/community/tutorials/how-to-set-up-master-slave-replication-in-mysql/).

5. Configure the db component in config/main. php; here’s an example of configuration:

'components' =>

// ..

'db' => [

'class' => 'yii\db\Connection',

'dsn' => 'mysql:host=4.4.4.4;dbname=masterdb',

'username' => 'master',

'password' => 'pass',

'charset' => 'utf8 ',

'slaveConfig' => [

'username' => 'slave',

'password' => 'pass',

],

// list of slave configurations 'slaves' => [

['dsn' => 'mysql:host=5.5.5.5;dbname=slavedb']

]

],

// ..

]

How to do it...

1. Create TestController . php as follows: <?php

namespace app\controllers;