Defining and using multiple DB connections

Multiple database connections are not used very often for new standalone web applications. However, when you are building an add-on application for an existing system, you will most probably need another database connection.

From this recipe, you will learn how to define multiple DB connections and use them with DAO, Query Builder, and Active Record models.

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. Create two MySQL databases named dbi and db2.

3. Create a table named post in dbi, as follows:

DROP TABLE IF EXISTS 'post';

CREATE TABLE IF NOT EXISTS 'post' (

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

'title' VARCHAR(255) NOT NULL,

'text' TEXT NOT NULL,

PRIMARY KEY ('id')

);

4. Create a table named comment in db2, as follows:

DROP TABLE IF EXISTS 'comment';

CREATE TABLE IF NOT EXISTS 'comment' (

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

'text' TEXT NOT NULL,

'post\_id' INT(10) UNSIGNED NOT NULL,

PRIMARY KEY ('id')

);

How to do it...

1. We will start with configuring the DB connections. Open config/main. php and define a primary connection as described in the official guide:

'db' => [

'connectionString' =>'mysql:host=localhost;dbname=db1',

'username' => 'root',

'password' => '',

'charset' => 'utf8',

],

2. Copy it, rename the db component to db2, and change the connection string accordingly. Also, you need to add the class name as follows:

'db2' => [

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

'connectionString' => 'mysql:host=localhost;dbname=db2',

'username' => 'root',

'password' => '',