

[ClearDB Add-on Setup]

[Board and Card Game App Team]

[Wyatt Derk] // who are you?

[Data]// when was this undertaken?

[How do I set up a MySQL server on Heroku?]

By recommendation of a fellow student, ClearDB was suggested as a possible database for the board and card game application. ClearDB is a Heroku add-on that enables developers to build apps using native MySQL databases.

This document will offer a tutorial how to setup and use ClearDB.

### How to download:

In order to use MySQL you need to install the add-on ClearDB. This can be done by going to [<https://elements.heroku.com/addons/cleardb>] and clicking on the install button. This can also be done from the Heroku dashboard by navigating to the Resources tab and entering in “ClearDB” on the Add-ons search bar. For the free version, opt for the “Ignite” plan.

### Installation/ Configuration:

Once the ClearDB is downloaded, navigate over to the Settings tab on your apps dashboard. Look for the config tab like below:

## Config Variables

Reveal Config Vars

Config vars change the way your app behaves.

In addition to creating your own, some add-ons come with their own.

Click “Reveal Config Vars”, then copy the `CLEAR_DATABASE_URL` value. Below is an example value:

```
mysql://b419fdf6d21e11:c78bdf37@us-cdbr-iron-east-02.cleardb.net/heroku_f7469a0c6b39995?reconnect=true
```

Everything from the @ symbol until the (/) is the `DB_HOST`. Example: “us-cdbr-iron-east-02.cleardb.net”

Everything from the (/) until the (?) is `DB_DATABASE`. Example: “heroku\_f7469a0c6b39995”

Everything from the (//) to the (:) is the DB\_USERNAME. Example: “b419fdf6d21e11”

Everything from the (:) to the @ is the DB\_PASSWORD. Example: “c78bdf37”

Once all of the credentials are accounted for, the database.php file is ready to be updated so that it can access the database. Here is an example of what this should look like:

```
'mysql' => [  
    'driver'      => 'mysql',  
    'host'        => env('DB_HOST', 'us-cdbr-iron-east-02.cleardb.net'),  
    'database'    => env('DB_DATABASE', 'heroku_f7469a0c6b39995'),  
    'username'    => env('DB_USERNAME', 'b419fdf6d21e11'),  
    'password'    => env('DB_PASSWORD', 'c78bdf37'),  
    'charset'     => 'utf8',  
    'collation'   => 'utf8_unicode_ci',  
    'prefix'      => '',  
    'strict'      => false,  
],
```

Once that is done, we go into the command prompt or whichever program you use, and type the following: `git add . && git commit -m “Added DB Config”`

Lastly, we use `git push heroku master`.

Now, the working staging environment is up and running.

[<https://scotch.io/@phalconVee/using-mysql-on-heroku>] /\*A slightly more condensed tutorial than the latter. This was used to double check between the latter’s Laravel parts.\*/

[<https://selimsalihovic.github.io/2016-02-07-using-mysql-on-heroku/>] /\*This was a neatly organized tutorial used for creating this document. Parts were left out due to the author using Laravel.\*/