# Developer Tech Notes

# AWS Account

Has the maintenance and Shabbat pages

## Access:

* <https://aws.amazon.com/>
* My Account->Management console
* Email: [jonlifton@gmail.com](mailto:jonlifton@gmail.com)
* Pw: Jhym1738
* Pick Storage->S3 under Compute
* Bucket is [www.shadhansupport.com](http://www.shadhansupport.com)

## Links:

* <https://s3.eu-west-2.amazonaws.com/www.shadhansupport.com/maintenance.html>
* <https://s3.eu-west-2.amazonaws.com/www.shadhansupport.com/shabbat_hag.html>

# Heroku Account

<https://www.heroku.com>

Login: [jonlifton@gmail.com](mailto:jonlifton@gmail.com)

Password: jhym1738$

Select shadhan

Settings

Select Settings

Reveal Config Vars:



MAINTENANCE\_PAGE\_URL:

<https://s3.eu-west-2.amazonaws.com/www.shadhansupport.com/shabbat_hag.html>

/\* Change to change maintenance page \*/

* MONGODB\_URI: mongodb://heroku\_d5knhr9m:b6fd0side627r4ep42oga58lvj@ds253831.mlab.com:53831/heroku\_d5knhr9m
* MONGOLAB\_ROSE\_URI: mongodb://heroku\_x2tqccsh:8d3j12cn4se1n8fj8foq6igrn8@ds155461.mlab.com:55461/heroku\_x2tqccsh
* NODE\_ENV: production

/\*\* Leave as-is \*/

* vidly\_db: mongodb://vidlyuser:a123456@ds113442.mlab.com:13442/vidly1

/\*\* Connects to this db. Example above: vidlyuseris the user; a123456 is pw \*/

* vidly\_jwtPrivateKey: 1234

/\*\* Used in jwt management \*\*/

## Maintenance Mode

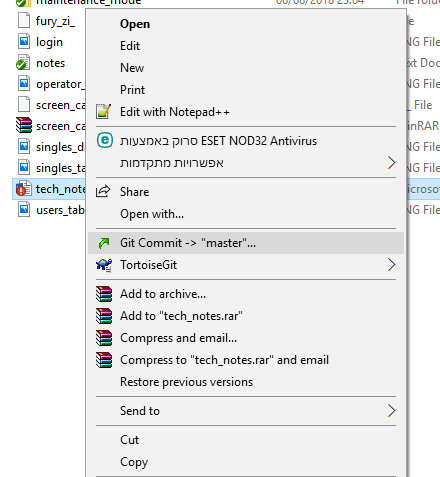
* Go into settings
* Toggle Maintenance Mode on/off

## Heroku Git url

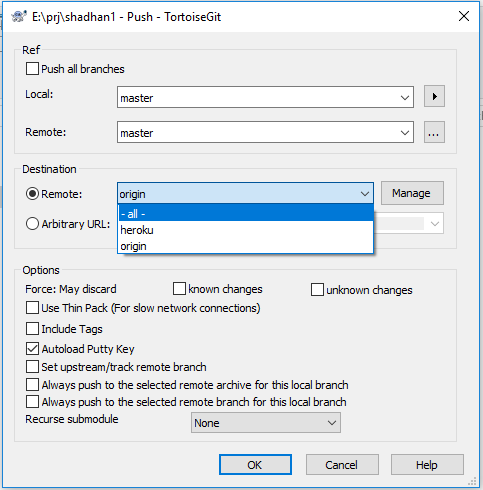
* <https://git.heroku.com/shadhan.git>

## Committing and Push Changes

* Commit to master



* Push to Heroku (and to my origin)



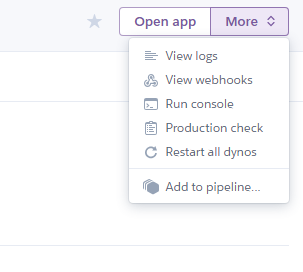
* Pushing to heroku immediately starts a build on Heroku. Watch it to make sure its ok

## Heroku Caching and Down Time

Heroku shuts down after 30 minutes of inactivity with free version (which deletes logs on next startup). Paid version will stay up.

## Logs

* Select More in upper-right
* Pick all processes or web in result
* Log clears after 30 minutes of inactivity because of restart of dynamo.



## Recreating the Project

* Clone <https://git.heroku.com/shadhan.git>
* npm install
* Create project in webstorm
* Open cmd
* set vidly\_jwtPrivateKey=1234
* Edit default.json with proper db:

{

"jwtPrivateKey": "vidly\_jwtPrivateKey",

"db": "mongodb://[vidlyuser:a123456@ds113442.mlab.com:13442/vidly1](http://vidlyuser:a123456@ds113442.mlab.com:13442/vidly1)"

}

* In root: node index.js
* To run in Webstorm: Run needs to set environment variable: vidly\_jwtPrivateKey=1234
* Then set working directory, example: E:\prj\shadhan1
* Javscript file: index.js

## Local Development vs Deployed

Local:

* Make sure isDeployed=false in consts.js Do an ng build after it
* Run in webstorm, and run ng serve.
* Access web with 127.0.0.1:4200

Remote:

* Make sure isDeployed=false in consts.js Do an ng build after it
* In console: set vidly\_jwtPrivateKey=1234
* node index.js
* Access web with <pc ip>:3000, or 127.0.0.1:3000

## Development DB vs Remote DB

Local DB:

Make sure you run mongod in console window

* In default.json: localhost line active and comment out the other one

***"db": "mongodb://localhost/vidly"***

* In db.js

**mongoose**.connect(db);

Remote DB:

* In default.json:

**"db"**: **"mongodb://vidlyuser:a123456@ds113442.mlab.com:13442/vidly1"**

* In db.js:
* **mongoose**.connect(db, {**useNewUrlParser**: **true**} )

## Database Hosting

[www.mlab.com](http://www.mlab.com)

* login:

user: **jlifton**

password: **Jhym1738**

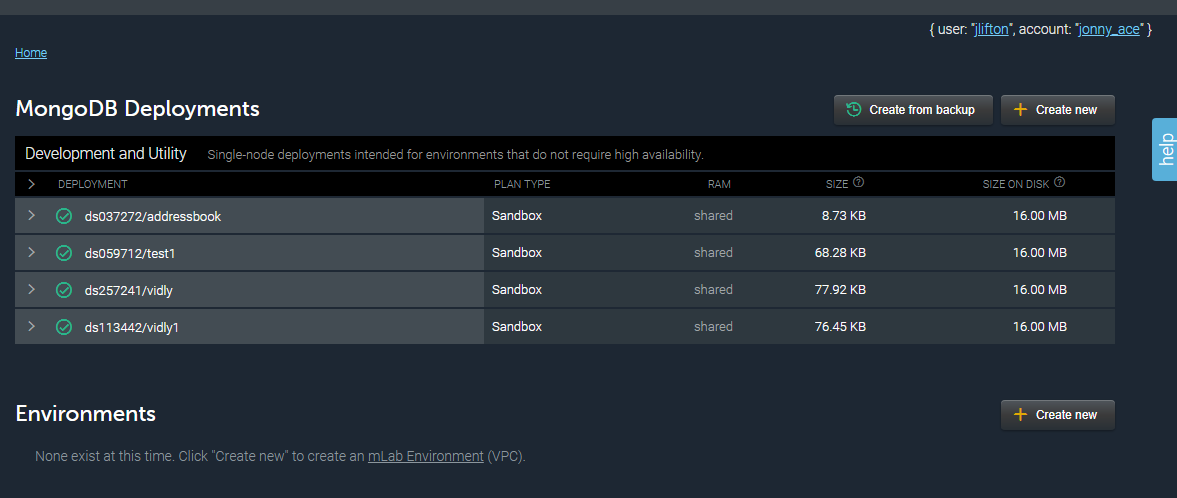
* Database:

Database name: **vidly**

User: **vidlyuser**

Password: **a123456**

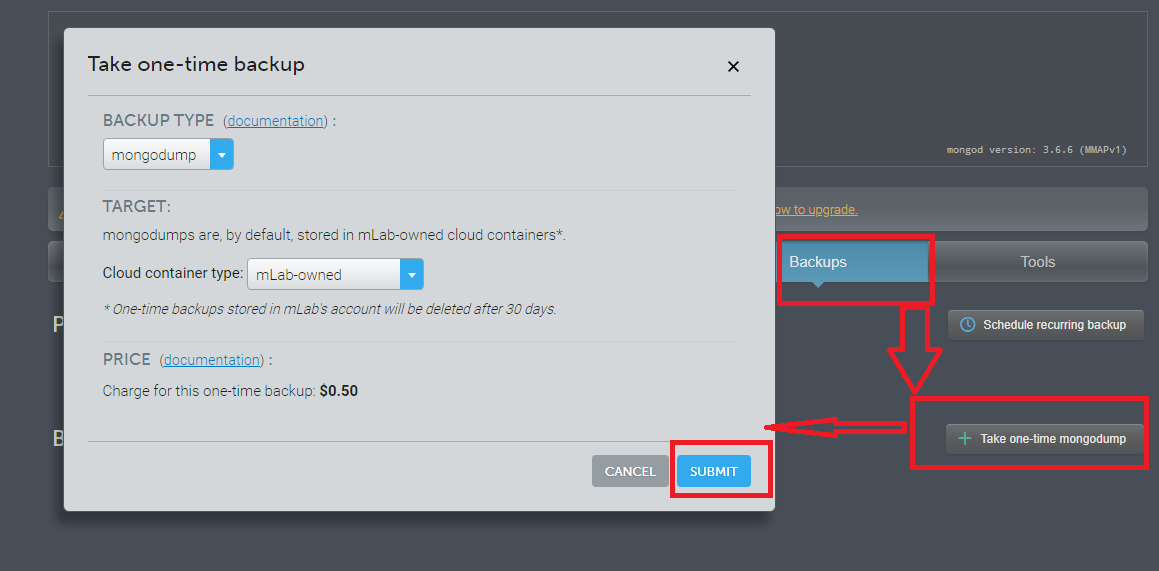
View after logging in



## Manual Backup

* Select the deployment of interest in the table above
* Select the Backup tab
* Select the 'take one-time mongodump' button.

Image below occurs:



* Select Submit to do the actual backup.

## Restoring a Backed up Database

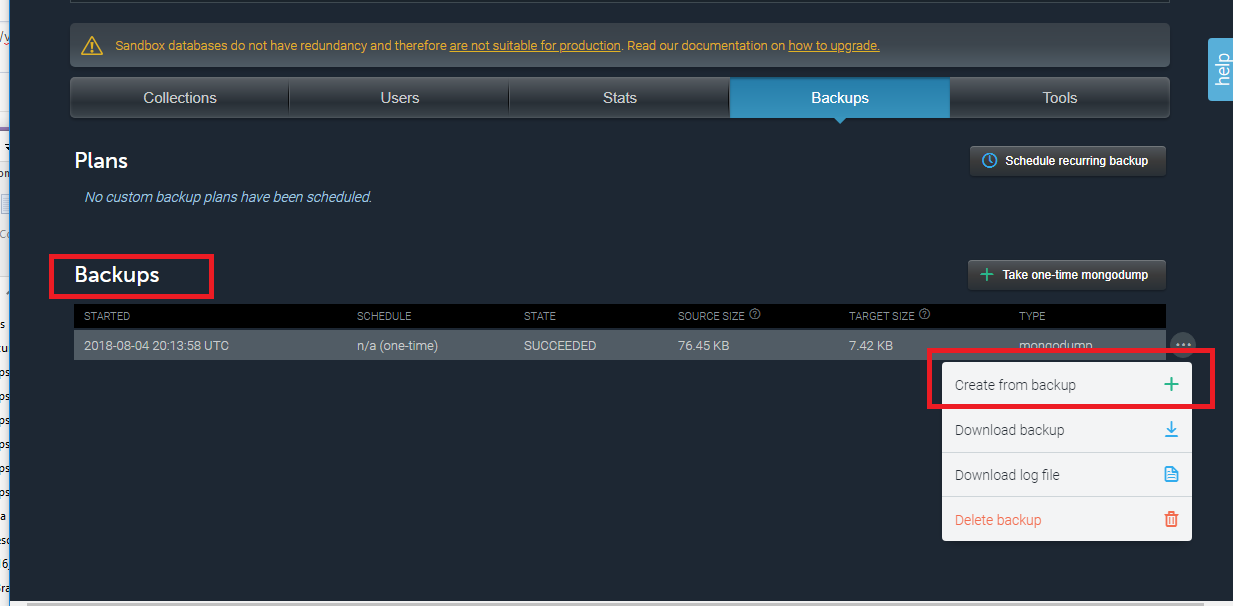
Steps:

Select the deployment of interest. Should probably be the one indicated in the

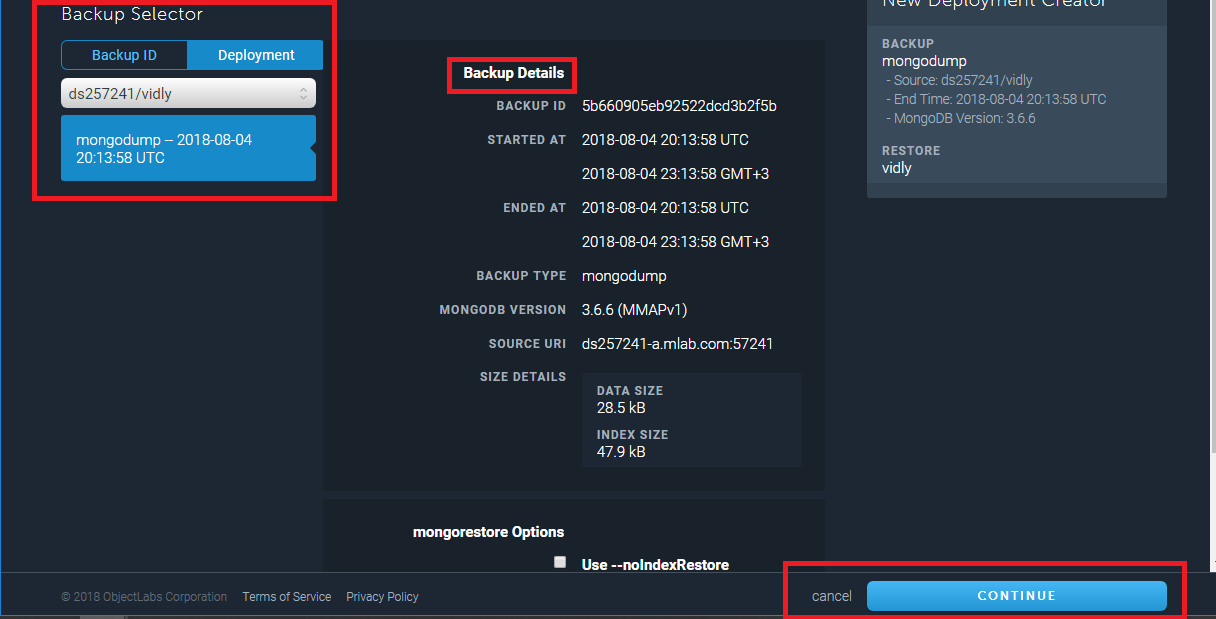
**vidly\_db** settings entry in the Heroku site.

Under the resulting pane:

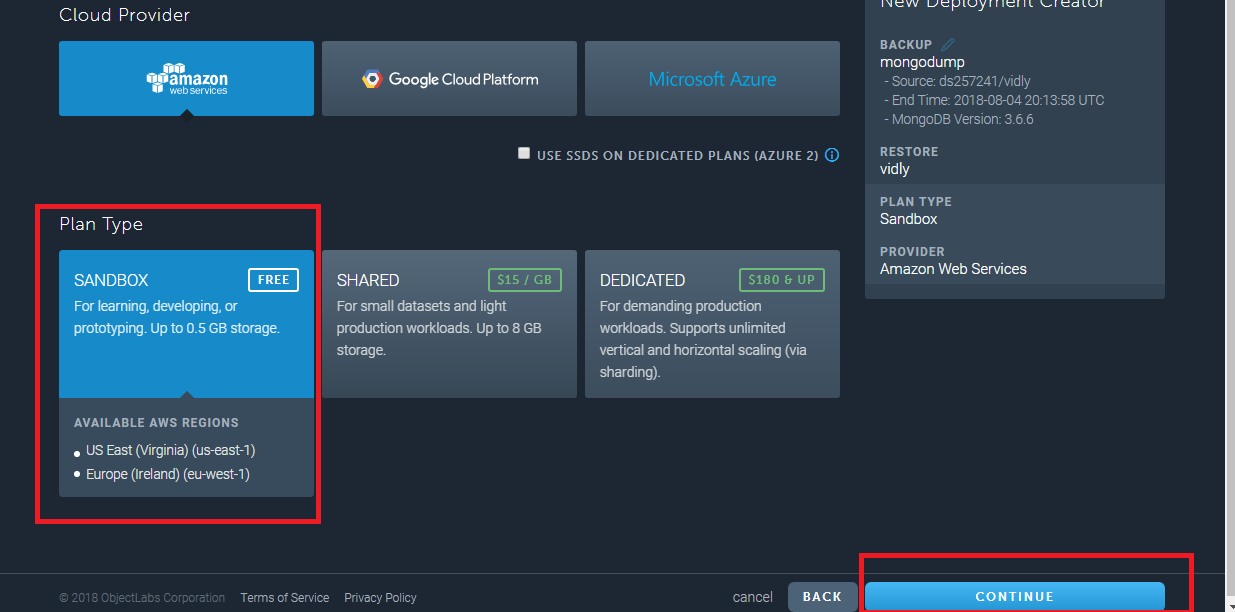
Select the … button under the Backups tab

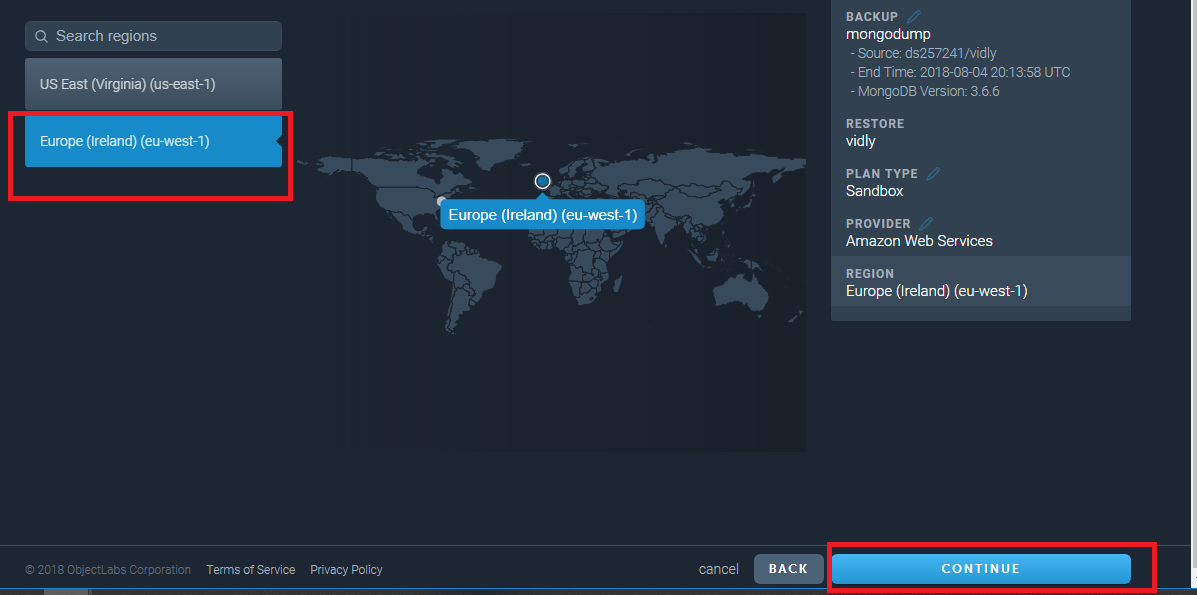


Select the Create from backup shown above. Result below:

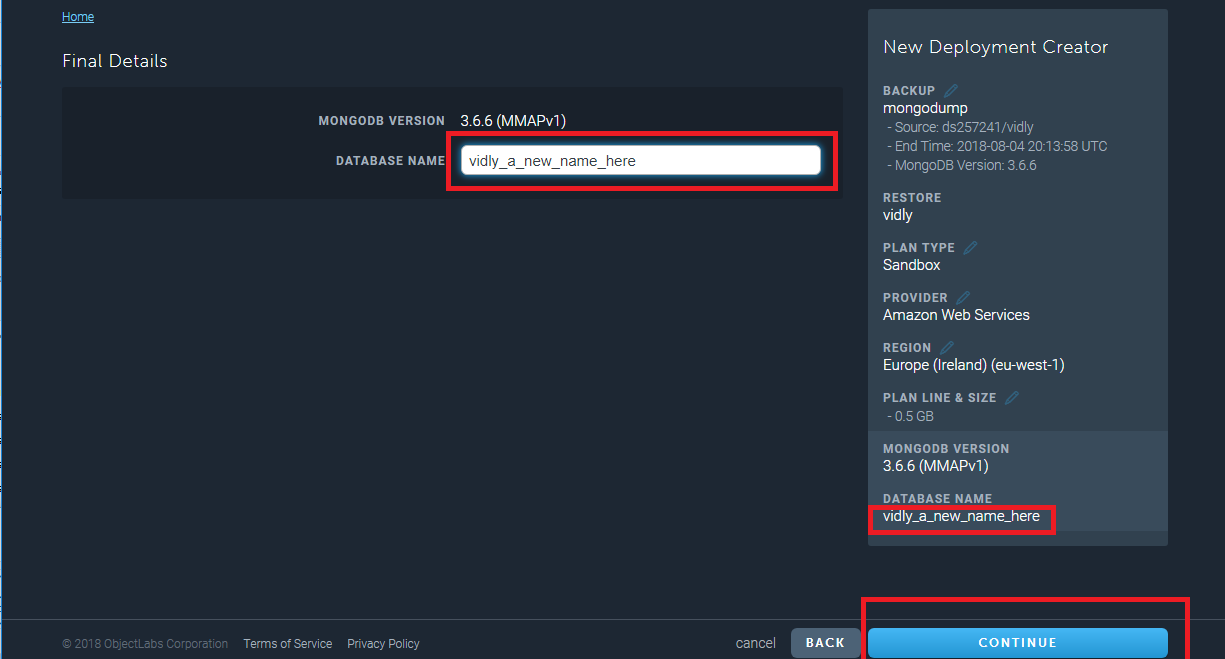


Select the following in the next two panels:

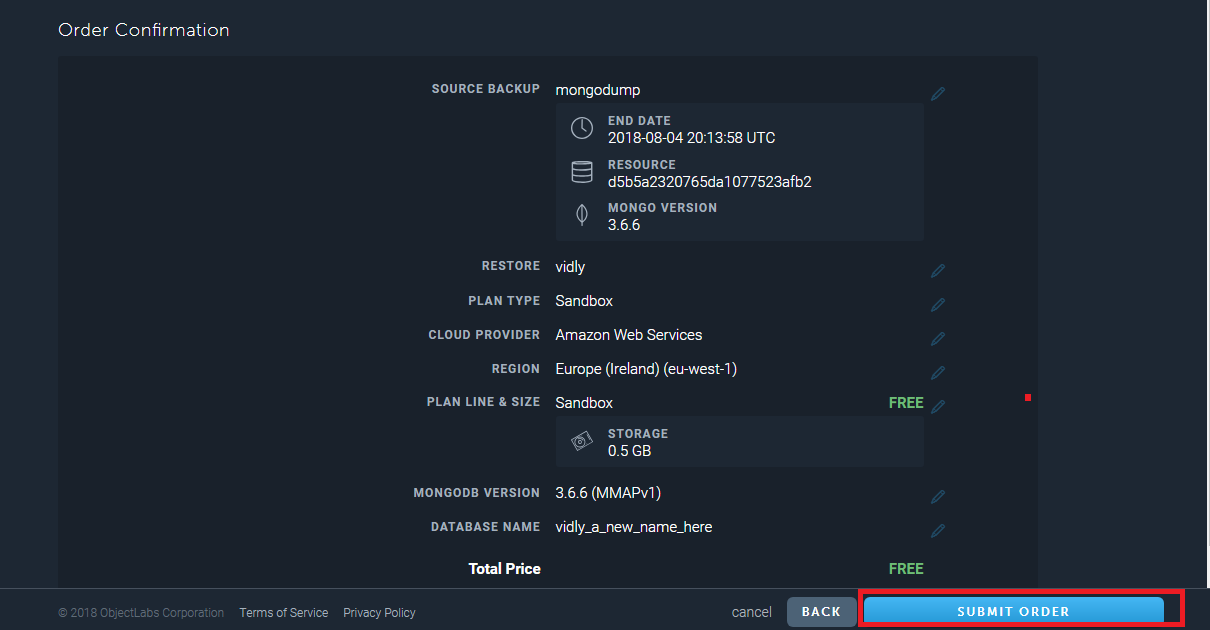




Provide a database name:



Confirm:



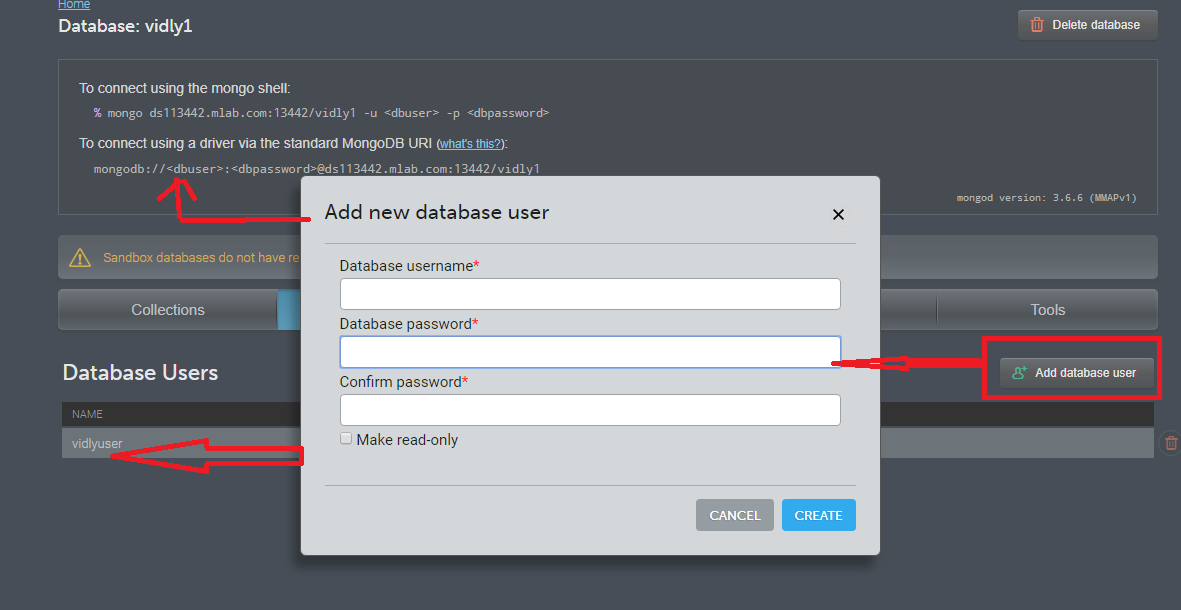
## Create a User

* When restored, the db will show up as a new entry in the home screen's deployments
* Select it
* Select Users
* Must create a user for the restored db. **Initially there are none**.

To avoid confusion, just create the same user over again:

User: **vidlyuser**

Password: **a123456**

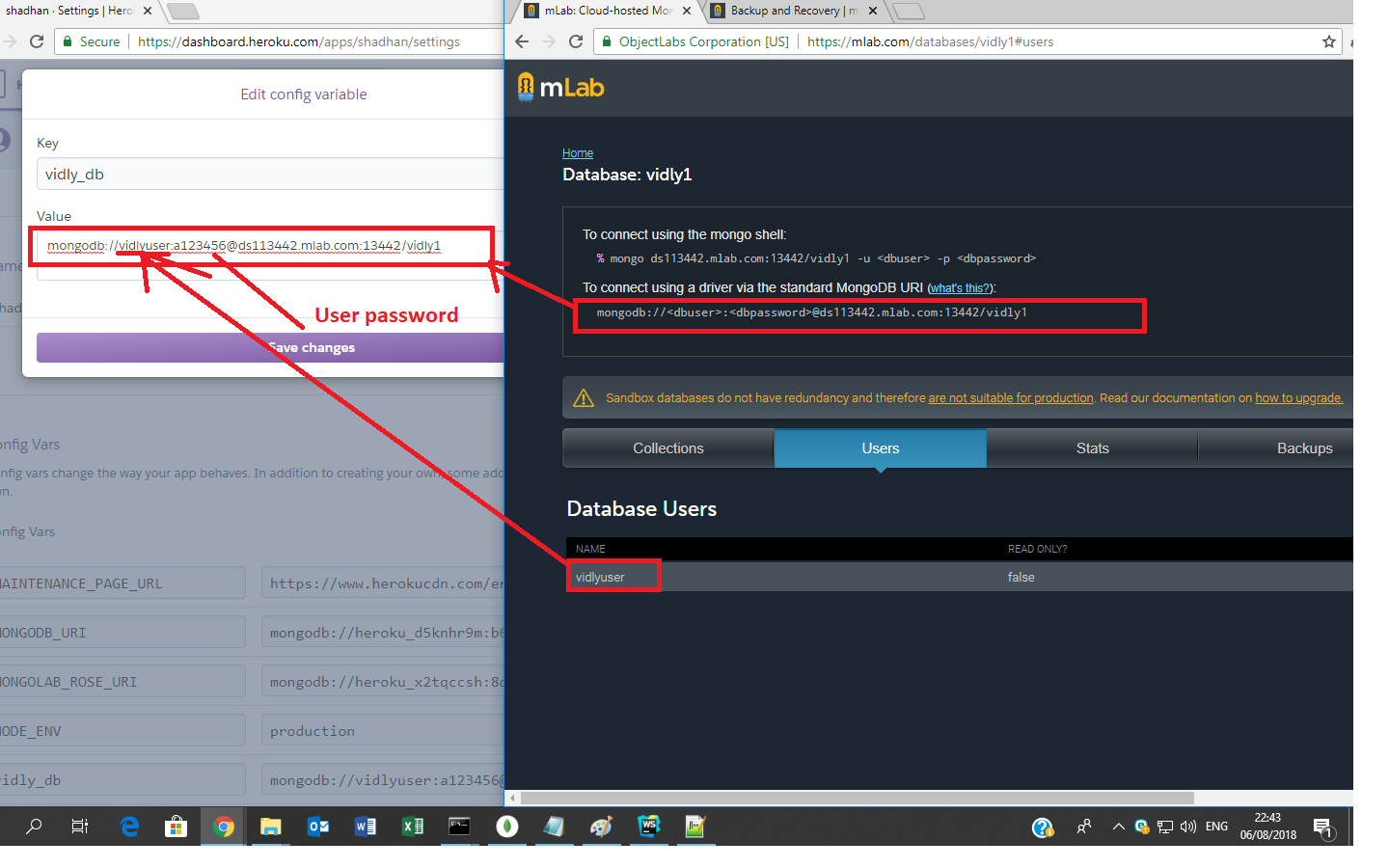
****

## Connect Heroku's app to the Restored DB

**Adjust the vidly\_db entry in Heroku's settings to the connect string indicated in mLab.**

Suggest:   
Preserve user name and pw [vidlyuser / a123456 see previous section]

When creating backup change db name to have a datestamp [example below is simply called vidly1]



## Restart all Dynos

* In Heroku, click upper right 'More' ->'Restart all Dynos'
* Inspect logs
* Try logging in to verify OK
* Adjust "db" connect entry in default.json for local development needs