

# Cleaning your mLab database

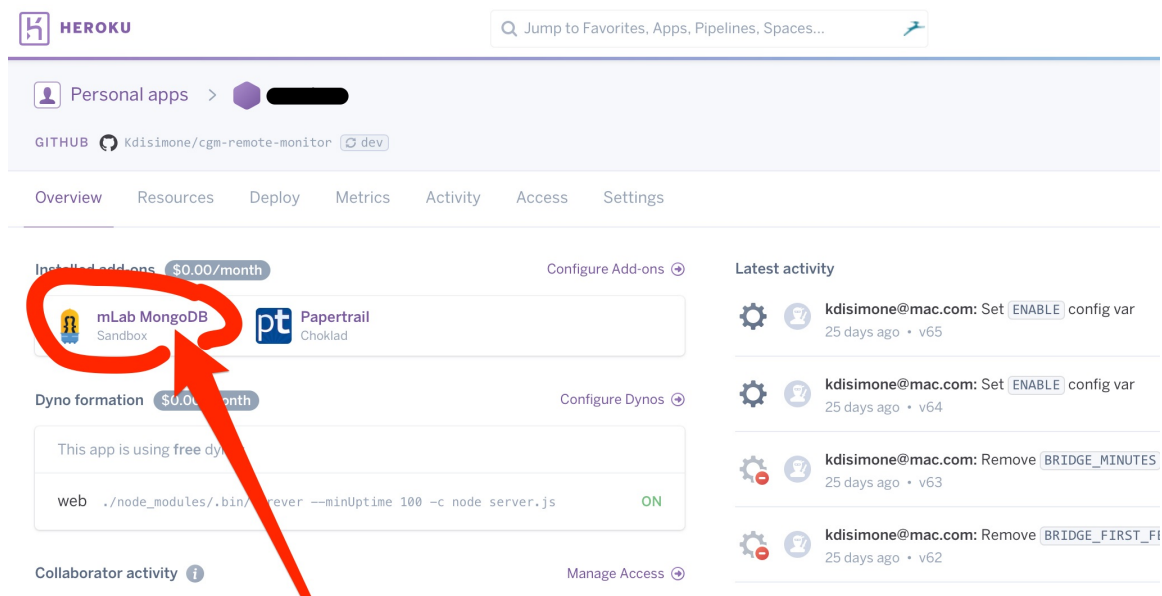
Regardless of whether you are on Azure or Heroku for Nightscout, you are using an mLab database for storing your Loop data. mLab allows you to store up to 500 MB for free. When you hit that data cap, your NS will stop working. Your Share Bridge will not pull data and your site will be “stale”.

The good news? Loop can still run just fine until you cleanout your mLab database. The bad news? You just won't be able to remotely monitor Loop through NS until you clear up some storage space in mLab.

## mLab cleanup

1. Login to your mLab database.

- If you setup your own Azure website and mLab database, go directly to <http://mlab.com> and login.
- If you setup your own Azure website and mLab database, then setup a Heroku account and pointed back to your old mLab database (i.e., copy and pasted the MONGODB\_URI from Azure), go directly to <http://mlab.com> and login.
- IF you setup a Heroku database and let Heroku setup an mLab database for you, you will access mLab through your Heroku account main page. Login to your Heroku account and click on the mLab logo as shown below.



2. (Users coming directly from a Heroku click will see the screen below. If you had to login to mLab with a name and password, you will first see a line with your MongoDB deployment. Click on your database name to see the screen below with all the collection names.)

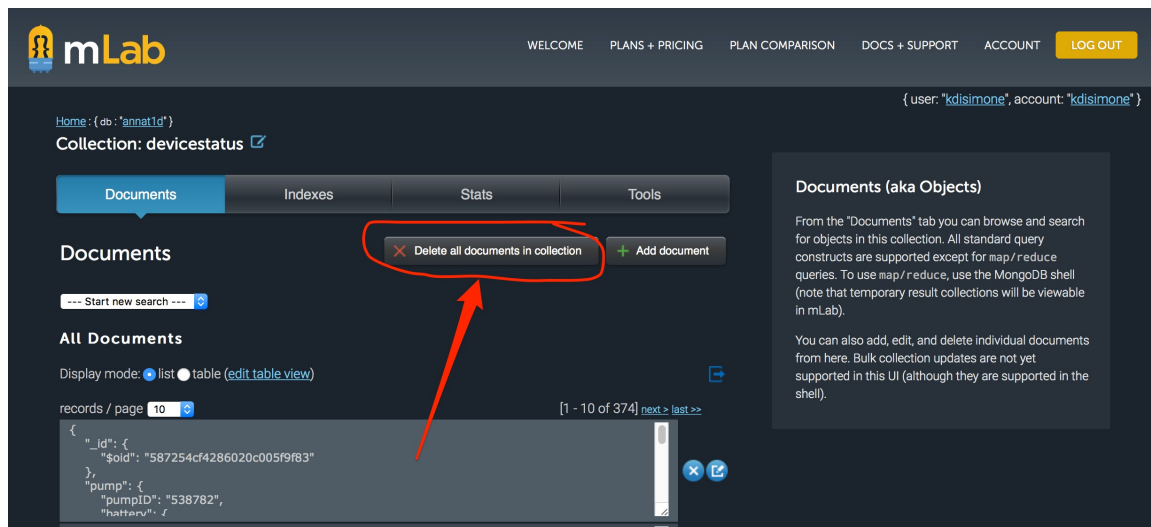
Your various collections are shown, similar to the screen shot below. The amount of data each collection is using is listed to the far right of each collection's line. I recommend emptying the "devicestatus" and "loop" collections to free up database storage. Eventually you may need to empty more collections. It should be awhile though, as the other collections are significantly smaller and will take a long time to fill.

Click on a collection's name to open it.

The screenshot shows the mLab MongoDB interface. The database is 'annat1d'. The 'Collections' tab is selected, showing a table of collections. Two red circles and arrows highlight the 'devicestatus' and 'loop' collections, with a red text label 'click collection name' pointing to the 'devicestatus' circle.

| NAME         | DOCUMENTS | CAPPED? | SIZE      |
|--------------|-----------|---------|-----------|
| devicestatus | 373       | false   | 321.58 KB |
| entries      | 125,990   | false   | 52.26 MB  |
| errors       | 0         | false   | 7.98 KB   |
| food         | 0         | false   | 31.94 KB  |
| g4           | 1,192     | false   | 327.28 KB |
| loop         | 7,733     | false   | 120.85 MB |
| profile      | 3         | false   | 25.91 KB  |
| sentryOther  | 10        | false   | 9.08 KB   |
| treatments   | 18,344    | false   | 9.65 MB   |

3. Click on the button that says “Delete all documents in collection” and then confirm the deletion.



4. You can confirm that your cleanout has resolved the problem, by checking that your database size is below 500 MB now. Click on the “Home” link in top left. Then review the size of the database as shown.

