

# 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”.

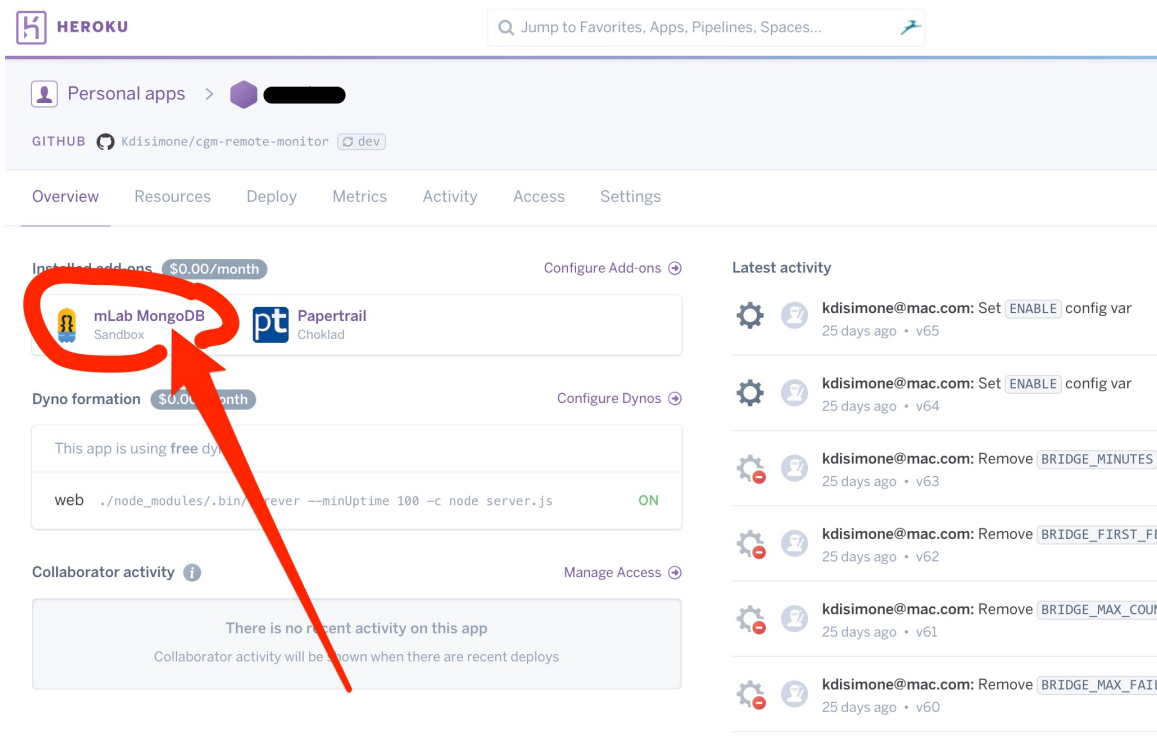
The good news? Loop can still run just fine until you cleanout your mLab database. The bad news? You just won't be able to remotely monitor Loop through NS until you clear up some storage space in mLab.

## mLab cleanup

1. Login to your mLab database.

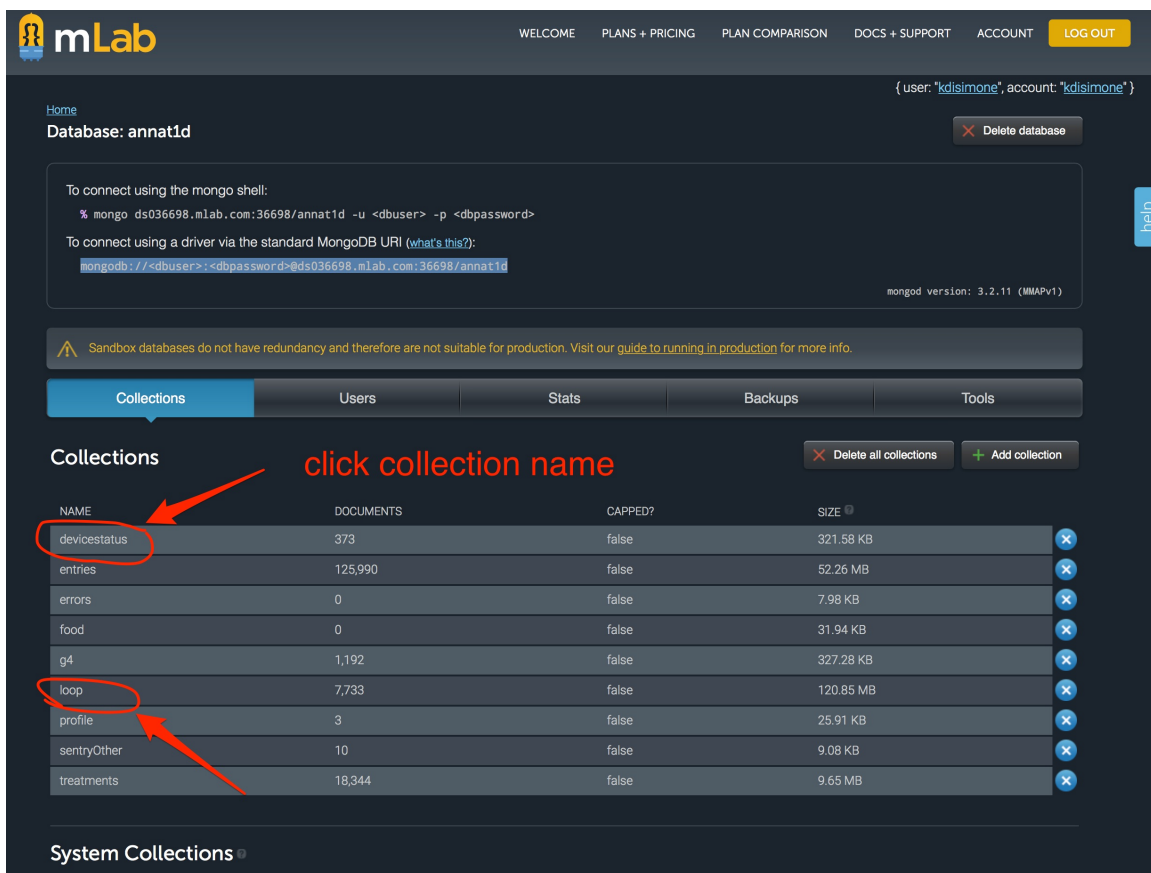
IF you setup your own Azure website and mLab database, go directly to <http://mlab.com> and login.

IF you setup 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. In your mLab mainpage, your various subsets of your database will be listed. These are called “collections”. 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 as the first and second steps to free up database storage. If you need to eventually empty other collections, it should be awhile, as the other collections are significantly smaller and will take a long time to fill.

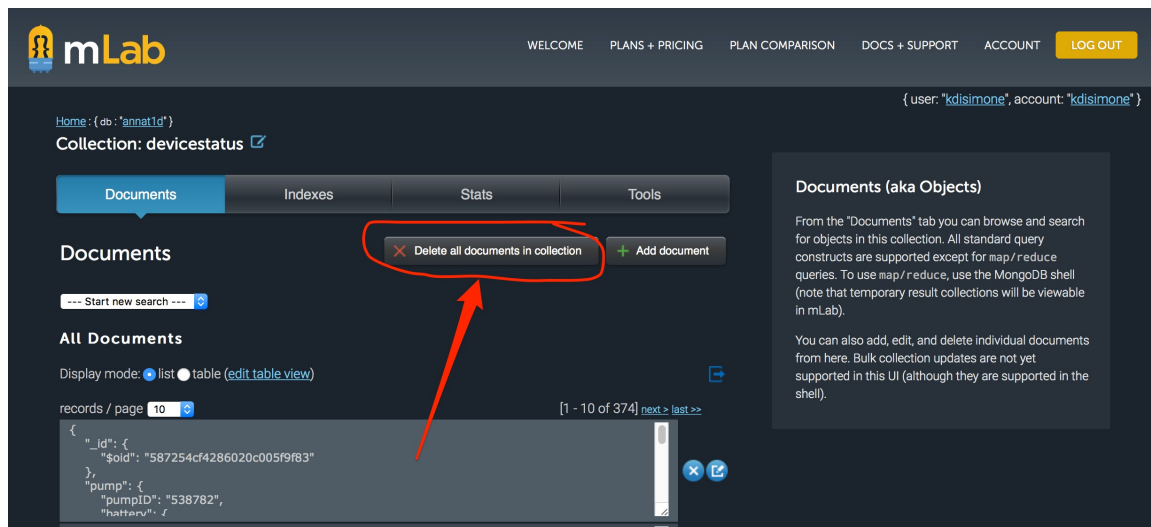
Click on the collection name to open it.



The screenshot shows the mLab database interface for a database named 'annat1d'. The 'Collections' tab is selected, displaying a table of collections. The table has columns for NAME, DOCUMENTS, CAPPED?, and SIZE. The collections listed are devicestatus, entries, errors, food, g4, loop, profile, sentryOther, and treatments. The 'devicestatus' and 'loop' collections are highlighted with red circles and arrows. A red arrow points to the 'devicestatus' collection name with the text 'click collection name'.

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.

