

Dashboard update

Go to Mahuika

/home/baes/dashboard/db

```
(python3_mahuika) baes@mahuika01: ~/dashboard/db$ sqlite3 dashboard.db
```

(TODOs: Currently, the process is tied to [Sung Bae](#))

It is "allocation" table that you will need to update.

```
CREATE TABLE IF NOT EXISTS "allocation" (  
  "id" int NOT NULL,  
  "machine" text,  
  "hours" int,  
  "start" date,  
  "end" date,  
  "type" integer NOT NULL DEFAULT 1,  
  "project_id" TEXT,  
  PRIMARY KEY("id")  
);
```

```
sqlite> select * from allocation;  
1|mahuika|50000|2018-06-01|2018-11-30|1|nesi00213  
2|mahuika|18000|2018-12-01|2019-05-31|1|nesi00213  
3|maui|950000|2018-06-01|2019-05-31|1|nesi00213  
4|mahuika|75000|2019-06-01|2019-08-31|1|nesi00213  
5|maui|925000|2019-06-01|2019-08-31|1|nesi00213  
6|maui|3925000|2019-06-01|2020-05-31|0|nesi00213  
7|maui|300000|2019-07-26|2019-08-31|0|nesi00213  
8|maui|508750|2019-09-01|2020-04-20|1|nesi00213  
9|mahuika|41250|2019-09-01|2020-05-31|1|nesi00213  
10|maui|681854|2020-04-20|2020-05-31|1|nesi00213  
11|maui|750000|2020-06-01|2020-08-31|1|nesi00213  
12|mahuika|25000|2020-06-01|2021-05-31|1|nesi00213  
13|maui|925000|2019-09-01|2020-08-31|1|comm00213  
14|mahuika|50000|2020-09-01|2021-05-31|1|nesi00213  
15|maui|1950000|2020-09-01|2021-05-31|1|nesi00213  
16|maui|3525168|2020-09-01|2021-11-15|1|comm00213  
17|maui|975000|2021-06-01|2021-08-31|1|nesi00213  
18|mahuika|25000|2021-06-01|2021-08-31|1|nesi00213
```

Mahuika 25,000 compute units is equivalent to 25,000 core hours

Maui 24,375 node hours is equivalent to 975,000 core hours. (x40)

The "type" field is historic and is now always "1". (There was a need for a virtual allocation where you wish to know usage between two random dates)

Add the new allocations

```
sqlite> insert into allocation values (19,'maui',975000,'2021-09-01','2021-11-30',1,'nesi00213');  
sqlite> insert into allocation values (20,'mahuika',25000,'2021-09-01','2021-11-30',1,'nesi00213');  
sqlite> .quit
```

Sometimes, you may wish to update the existing data

```
sqlite> update allocation set start='2021-09-01', end='2021-11-30' where id=18;
```

Now, collect the latest data

```
(python3_mahuika) baes@mahuika01: ~/dashboard$ ./dashboard_data_collector.py --upload
```

Go to ucqkaecore1p:

```
sudo service dashboard restart
```

Automatic data collection

Currently, every hour at 29th minute, the data collection is executed

```
(python3_mahuika) baes@mahuika01: ~/dashboard$ crontab -l

SHELL=/usr/bin/bash
BASH_ENV="/home/baes/.bashrc"

29 * * * * python /home/baes/dashboard/dashboard_data_collector.py --upload
```

The --upload option sends the DB file to ucquakecore1p. Certainly, you can execute the command above to manually trigger the data collection.

Data collection for multiple days

For some reasons, if you notice missing data (cron being unstable etc), specify two days and run the following command. It does duplicate checks, so even if the data collection indeed ran ok, no need to worry about adding the same data again.

```
(python3_mahuika) baes@mahuika01: ~/dashboard$ ./data_collect_multiple_days.sh 2021-09-01 2021-09-06
```

This command sends the DB file to ucquakecore1p.