On 24/03/22 TK realised that his data loader had stopped running for three days. It is assumed this was due to user error (I was pretty sick that day - probably shouldn’t have been at the keyboard). There were no recorded cronitor errors and the loader log was clean. The cron scheduled job on my instance was simply no longer there (I assume I removed it when installing a release on Monday night and never reinstated it). The end result was a gap in scraped date as follows:

From: 2022-03-21 20:26:01

To:l 2022-03-24 09:46:02

Luckily we have a backup server running the data loader concurrently. The steps I took to replace the missing data are detailed below. I documented the process in case it needs to be replicated in the last two sprints/in case we run into this again.

## Create Temporary Tables with the Missing Data:

I connected to Will’s RDS Instance and created two temporary tables that contained the data I was missing:

CREATE TABLE tomsMissingStationState AS

SELECT \* FROM stationState WHERE weatherTime > '2022-03-21 20:28:00'

AND weatherTime < '2022-03-24 09:44:00'

CREATE TABLE tomsMissingWeatherHistory AS

SELECT \* FROM weatherHistory WHERE weatherTime > '2022-03-21 20:28:00'

AND weatherTime < '2022-03-24 09:44:00'

I then verified that the data I was interested in had indeed been selected.

select \* from tomsMissingStationState

select \* from tomsMissingWeatherHistory

## Use Sqlyog to Copy the Data to my RDS Host/Database

The desktop tool I use (Sqlyog) allows you to copy table structure and data from one host to another. I did this (copying the temporary tables to my own RDS instance) and then dropped the temporary tables on Will database

## Insert the Missing Data back into My Own Tables

INSERT INTO weatherHistory SELECT \* FROM tomsMissingWeatherHistory

For stationState I had to list the fields I wanted to copy to avoid duplicate Id errors as follows:

INSERT INTO stationState (`stationId`, `weatherTime`, `status`, `bike\_stands`, `available\_bike\_stands`, `available\_bikes`, `lastUpdate`)

SELECT `stationId`, `weatherTime`, `status`, `bike\_stands`, `available\_bike\_stands`, `available\_bikes`, `lastUpdate`

FROM tomsMissingStationState