

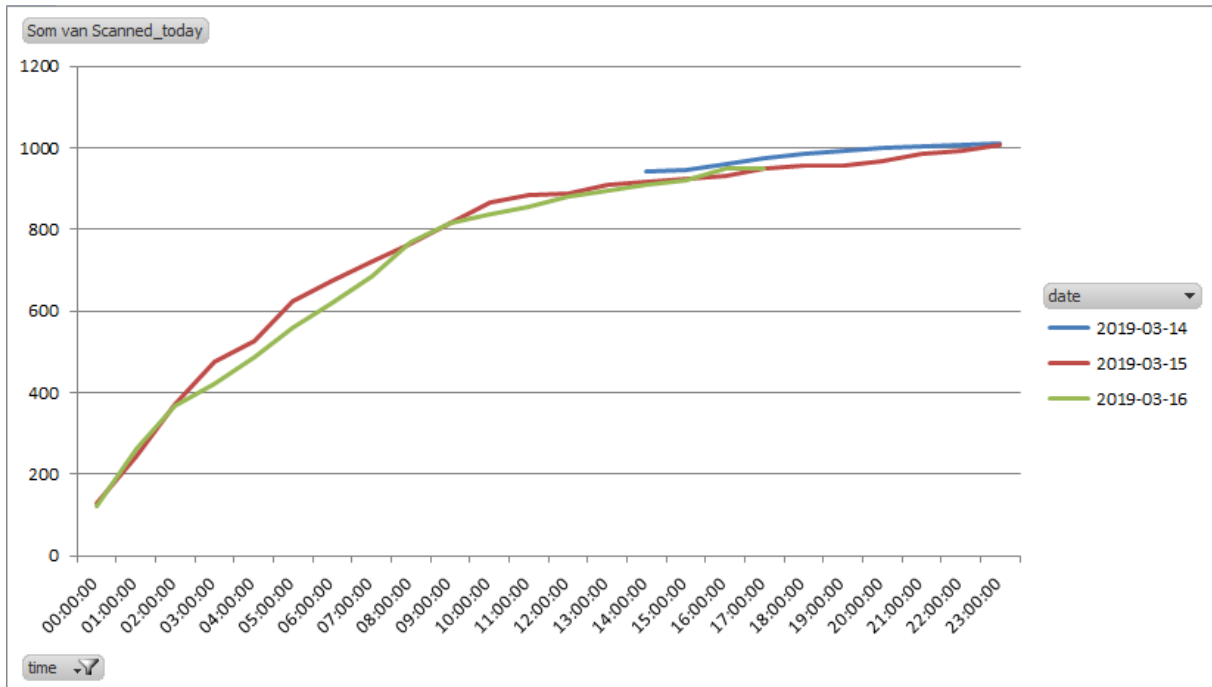
Last couple of days.....don't ask me why....I've been looking into last\_scanned from table trs\_spawn. It doesn't make sense to me.....

Setup:

Raspberry PI, MonocleDB, 6 devices, 5km2 area, ~1000 spawnpoints, 219 route positions, roundtrip time 8-11minutes.

### Graph

Last\_scanned (trs\_spawn) per hour. It starts of really low and just keeps increasing during the day.



Q: why is last\_scanned increasing this much during the day and not high from start and maybe slight increase?

### Last scanned of Today grouped by Hour at 19:46

*select*

*date\_format(last\_scanned,'%Y-%m-%d %H') as Date\_hour, count(last\_scanned) as last\_scanned*  
*from trs\_spawn*

*group by date\_format(last\_scanned,'%Y-%m-%d %H')*

*order by date\_format(last\_scanned,'%Y-%m-%d %H');*

Date_hour	Count_last_scanned
2019-03-16 00	12
2019-03-16 01	14
2019-03-16 02	9
2019-03-16 03	7
2019-03-16 04	11
2019-03-16 05	27
2019-03-16 06	19
2019-03-16 07	47
2019-03-16 08	47
2019-03-16 09	15
2019-03-16 10	60
2019-03-16 11	51
2019-03-16 12	72
2019-03-16 13	38
2019-03-16 14	87
2019-03-16 15	84
2019-03-16 16	60
2019-03-16 17	82
2019-03-16 18	126
2019-03-16 19	95

Q: although last\_scanned is increasing during the day but remains spread out over different hours.

Wouldn't I expect to see around 1000 per hour?

**Let's have a look at the 9 spawnpoints last\_scanned at 0200h.**

```
select
date_format(last_scanned,'%Y-%m-%d %H') as Date_hour, spawnpoint
from trs_spawn
where
date_format(last_scanned,'%Y-%m-%d %H') = '2019-03-16 02'
order by date_format(last_scanned,'%Y-%m-%d %H');
```

Date_hour	Spawnpoint
2019-03-16 02	4932392471267
2019-03-16 02	4932392483939
2019-03-16 02	4932392491963
2019-03-16 02	4932392507223
2019-03-16 02	4932392527321
2019-03-16 02	4932392548729
2019-03-16 02	4932392903457
2019-03-16 02	4932392925535
2019-03-16 02	4932403626713

Check first 4 Spawnpoint in Sightings

```
select
b.spawn_id, max(from_unixtime(b.updated))
from sightings b
where
b.spawn_id = 4932392471267;
```

spawn_id	max(from_unixtime(b.updated))
4932392471267	2019-03-16 19:09:33
4932392483939	2019-03-16 19:20:45
4932392491963	2019-03-16 19:50:38
4932392507223	2019-03-16 19:15:40

Q: Spawnpoint last\_scanned 0200h with mon update >1900h.....hmmmmmm

Alright since were looking at sightings anyway.....

```
select
date_format(from_unixtime(updated),'%Y-%m-%d %H') AS Date_hour_updated, count(spawn_id) as
spawn_id_updated
from sightings
where date_format(from_unixtime(updated),'%Y-%m-%d') = '2019-03-16'
group by date_format(from_unixtime(updated),'%Y-%m-%d %H');
```

Date_hour_updated	spawn_id_updated
2019-03-16 00	1015
2019-03-16 01	989
2019-03-16 02	1040
2019-03-16 03	983
2019-03-16 04	1009
2019-03-16 05	1037
2019-03-16 06	1022
2019-03-16 07	966
2019-03-16 08	1016
2019-03-16 09	1035
2019-03-16 10	1008
2019-03-16 11	1043
2019-03-16 12	987
2019-03-16 13	1006
2019-03-16 14	1019
2019-03-16 15	992
2019-03-16 16	1033
2019-03-16 17	990
2019-03-16 18	985
2019-03-16 19	1039
2019-03-16 20	90

Q: isn't this really what you would expect from updating trs\_spawn.last\_scanned?

Oke, some spawn\_id could have been counted twice cause of multiple spawns updated on same spawnpoint during hour.....let's check 0200h again

```
Select spawn_id, count(spawn_id)
from sightings
where date_format(from_unixtime(updated),'%Y-%m-%d %H') = '2019-03-16 02'
group by spawn_id;
```

Output is a long list of course.....954 rows in set...

Question: Should the initial graph for last\_scanned at 0200h not show 954 instead of 368?

Question: What is last\_scanned actually used for? Could it affect starving route or PrioQ?