

การจำลองการทำงาน

1. ส่ง beacon (topic) ไปยัง mqtt server
2. Subscribe topic จาก mqtt server ได้ข้อมูล beacon
3. ประมวลผลข้อมูลที่ได้รับตามเงื่อนไข
4. ส่งข้อมูลเข้า dynamodb ไปยัง scooter_lastseen, scooter_transaction table

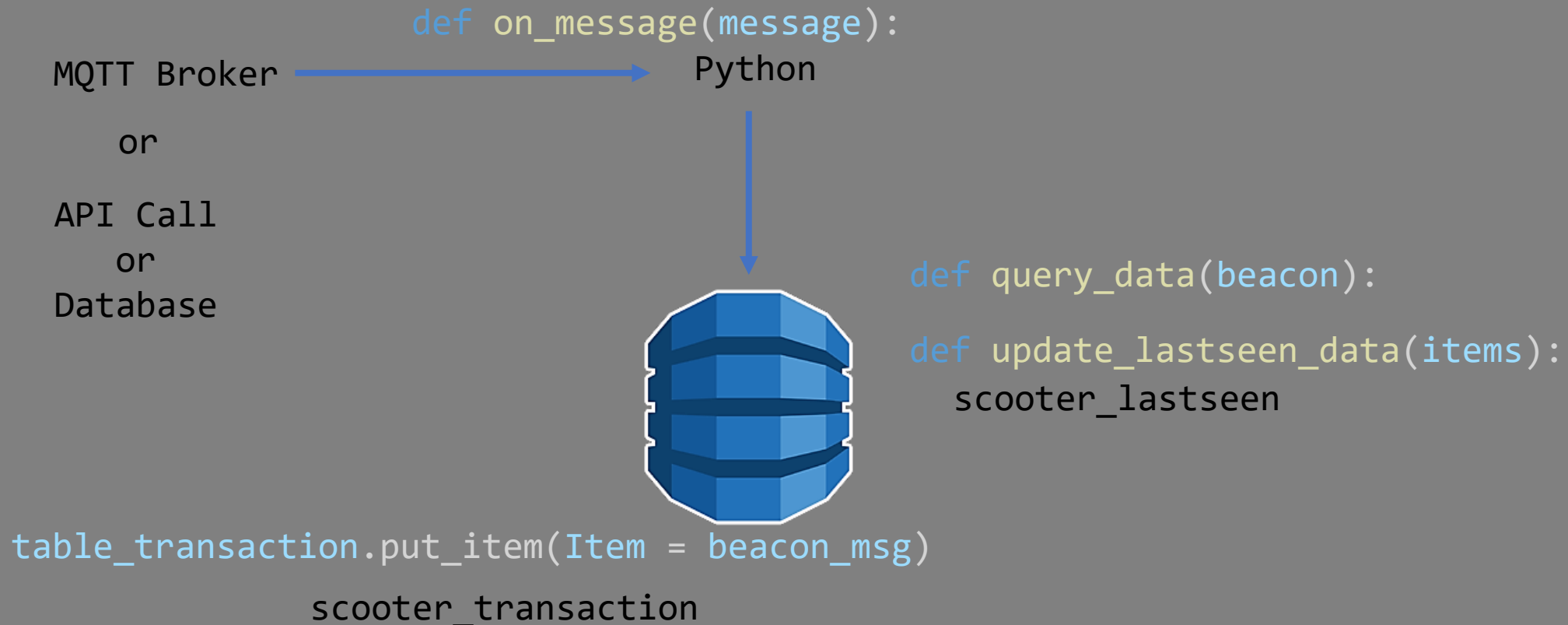


Tableau - scooter_transaction

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Columns: Device Id, Beacon Id, Is Present, Lastseen, Rssi, Timestamp, SECOND(Dat..

Rows: lastseen

| Device Id | Beacon Id | Is Present | Lastseen | Rssi | Timestamp | Second of Date | |
|-----------|--------------------------|------------|--------------------------|------|------------|-------------------|-----|
| 5046452 | E0702891-AE8E-8DC0-B0.. | เท็จ | E0702891-AE8E-8DC0-B0.. | -78 | 1682572935 | 26/4/2023 5:22:15 | Abc |
| | FFFFFFFF-0D6C-CF10-48B.. | จริง | FFFFFFFF-0D6C-CF10-48B.. | -9 | 1682572905 | 26/4/2023 5:21:45 | Abc |

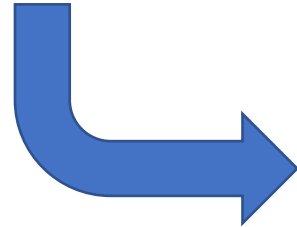
Filters: lastseen

Marks: Automatic

Tables: Beacon Id, Date, Device Id, Is Present, Lastseen, Rssi, Timestamp, Measure Names, State, scooter_lastseen.csv (Co..., Measure Values

เก็บข้อมูลสถานะล่าสุดของ scooter ที่ตรวจจับได้

scooter_lastseen



เมื่อมีการเปลี่ยนสถานะ เข้า ออก จะบันทึกมาที่ scooter_transaction

F→T เข้า

T→F→F ออก

scooter_transaction

Map Format Server Window Help

Columns: Beacon Id, Timestamp, SECOND(Date), Status

Rows: transaction

| Beacon Id | Timestamp | Second of Date | Status | |
|------------------------------------------------|------------|-------------------|-----------|---|
| E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1682572554 | 26/4/2023 5:15:54 | ongoing | 1 |
| | 1682572574 | 26/4/2023 5:16:14 | completed | 1 |
| | 1682572639 | 26/4/2023 5:17:19 | ongoing | 1 |
| | 1682572659 | 26/4/2023 5:17:39 | completed | 1 |
| | 1682572709 | 26/4/2023 5:18:29 | ongoing | 1 |
| | 1682572719 | 26/4/2023 5:18:39 | completed | 1 |
| | 1682572870 | 26/4/2023 5:21:10 | ongoing | 1 |
| | 1682572890 | 26/4/2023 5:21:30 | completed | 1 |
| FFFFFFFF-0D6C-CF10-48B9-55AAB8167ABB:F363:0055 | 1682570044 | 26/4/2023 4:34:04 | ongoing | 1 |
| | 1682570060 | 26/4/2023 4:34:20 | completed | 1 |
| | 1682570135 | 26/4/2023 4:35:35 | ongoing | 1 |
| | 1682570140 | 26/4/2023 4:35:40 | completed | 1 |
| | 1682570400 | 26/4/2023 4:40:00 | ongoing | 1 |
| | 1682570410 | 26/4/2023 4:40:10 | completed | 1 |
| | 1682570560 | 26/4/2023 4:42:40 | ongoing | 1 |
| | 1682570570 | 26/4/2023 4:42:50 | completed | 1 |
| | 1682570736 | 26/4/2023 4:45:36 | ongoing | 1 |
| | 1682570741 | 26/4/2023 4:45:41 | completed | 1 |
| | 1682571137 | 26/4/2023 4:52:17 | ongoing | 1 |

การคำนวณระยะเวลา จากข้อมูลใน scooter_transaction

| Undo Clipboard Font Alignment Number Styles Cells Editing Analysis | | | | | | | | | | |
|------------------------------------------------------------------------------------|------------|------------------------------------------------|-----------|------------|------------------------------------------------|------|-----------|--------|----------|---|
| J6 | | | | | | | | | | |
| | A | B | C | D | E | F | G | H | I | J |
| 1 | timestamp | beacon_id | device_id | is_present | lastseen | rss | status | second | hh:mm:ss | |
| 2 | 1682570034 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-77 | ongoing | | | |
| 3 | 1682570050 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-60 | completed | 16 | 00:00:16 | |
| 4 | 1682570125 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-99 | ongoing | | | |
| 5 | 1682570145 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-60 | completed | 20 | 00:00:20 | |
| 6 | 1682570320 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-72 | ongoing | | | |
| 7 | 1682570335 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-68 | completed | 15 | 00:00:15 | |
| 8 | 1682570365 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-77 | ongoing | | | |
| 9 | 1682570375 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-35 | completed | 10 | 00:00:10 | |
| 10 | 1682570435 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-77 | ongoing | | | |
| 11 | 1682570440 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-30 | completed | 5 | 00:00:05 | |
| 12 | 1682570686 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-92 | ongoing | | | |
| 13 | 1682570691 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-40 | completed | 5 | 00:00:05 | |
| 14 | 1682570711 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-82 | ongoing | | | |
| 15 | 1682570746 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-37 | completed | 35 | 00:00:35 | |
| 16 | 1682570826 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-88 | ongoing | | | |
| 17 | 1682570866 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-9 | completed | 40 | 00:00:40 | |
| 18 | 1682570881 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-82 | ongoing | | | |
| 19 | 1682570901 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-20 | completed | 20 | 00:00:20 | |
| 20 | 1682570926 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-87 | ongoing | | | |
| 21 | 1682570956 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-7 | completed | 30 | 00:00:30 | |
| 22 | 1682571252 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-80 | ongoing | | | |
| 23 | 1682571257 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-19 | completed | 5 | 00:00:05 | |
| 24 | 1682571357 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | FALSE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-89 | ongoing | | | |
| 25 | 1682571362 | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 5046452 | TRUE | E0702891-AE8E-8DC0-B0DE-3C666B326CA9:3138:0055 | 1-48 | completed | 5 | 00:00:05 | |

Queries & C...

Queries | Connections

1 query

scooter_transaction_v1
66 rows loaded.