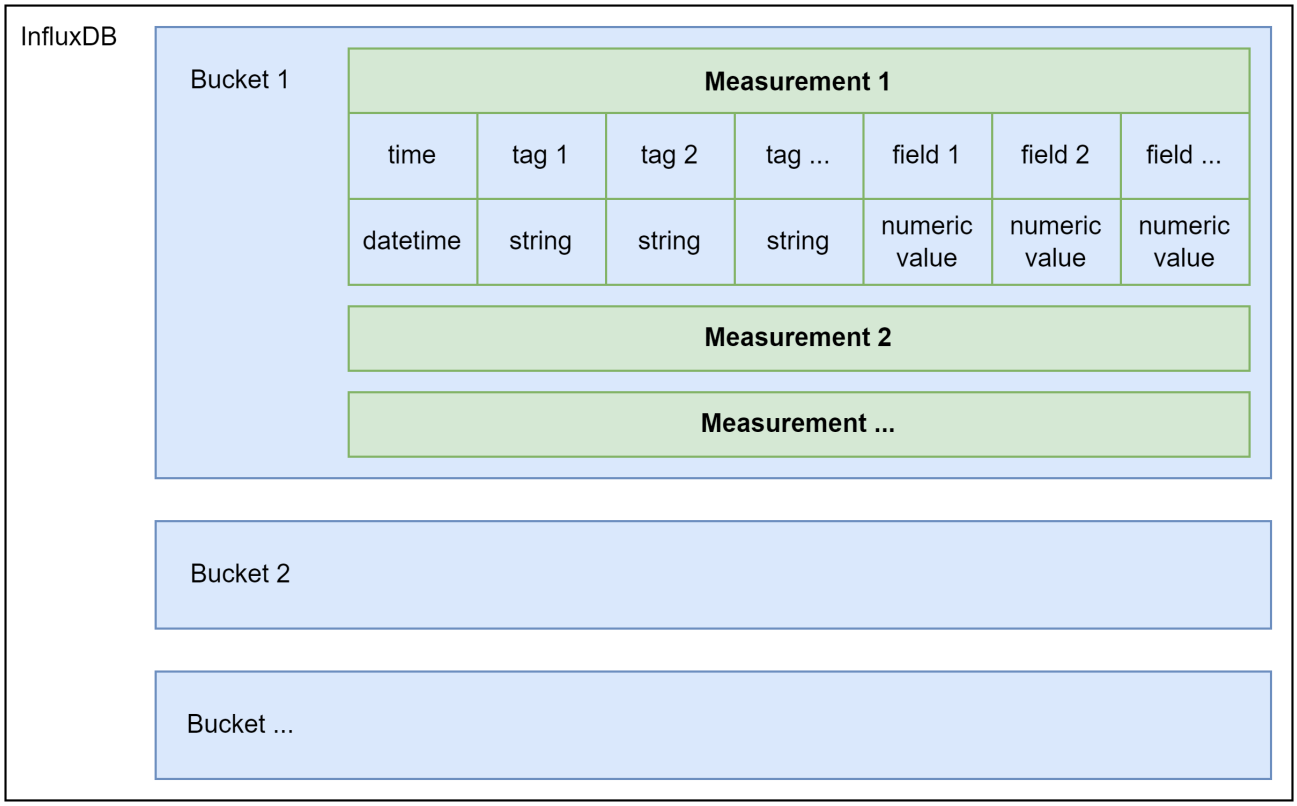
- InfluxDB Database Diagram
- Van Hool InfluxDB Design v0.0.1


## InfluxDB Database Diagram

The standard database diagram of an InfluxDB will look something like this:




Following items are indexed and make it easier and faster to go trough the data and find what you need:

- Bucket
- Measurement
- tag

A bucket is a named location where time series data is stored. All buckets have a **Retention Policy**, a duration of time that each data point persists.

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In this database it is needed to easely filter on:

- vehicle type
- customer
- construction number
- fleet vehicle number
- generation
- project number

Following diagram is an idea on how we can use the InfluxDB:

InfluxDB

Generation

| Customer_Vehicle model/type_ Project Number | | | | | | |
|---|---|---|---|---|---|---|
| time | fleet vehicle nr. | construction nr. | signal | signal | signal | signal |
| datetime | string | string | numeric value | numeric value | numeric value | numeric value |

Following diagram is an example:

InfluxDB

OD GEN 1

| Aalborg_A13-LF-E_P25192 | | | | | | |
|---|---|---|---|---|---|---|
| time | fleet vehicle nr. | construction nr. | speed [km/h] | current [A] | voltage [V] | distance [km] |
| 24/10/2022 15:06:44:300 | 6000 | 66711 | 15 | 3 | 600 | 1000 |

| VVM_A12-LF-E_P25279 | | | | | | |
|---|---|---|---|---|---|---|
| time | fleet vehicle nr. | construction nr. | speed [km/h] | current [A] | voltage [V] | distance [km] |
| 24/10/2022 15:06:44:300 | 2865 | 66837 | 15 | 3 | 600 | 1000 |

MY 23

| Mandel-Cars_T17-AC | | | | | | |
|---|---|---|---|---|---|---|
| time | fleet vehicle nr. | construction nr. | speed [km/h] | current [A] | voltage [V] | distance [km] |
| 24/10/2022 15:06:44:300 | | 72163 | 15 | 3 | 600 | 1000 |

| Lauwers-N.V._T16-AS | | | | | | |
|---|---|---|---|---|---|---|
| time | fleet vehicle nr. | construction nr. | speed [km/h] | current [A] | voltage [V] | distance [km] |
| 24/10/2022 15:06:44:300 | | 57002 | 15 | 3 | 600 | 1000 |