

# AWS IOT Cloud Data Lake Output Snapshots: (Implementation)

The screenshot shows the Amazon Athena Query Editor. The SQL query is:

```
1 SELECT * FROM "akr_datalake_iota_glue_db"."akr_device_specs"
2 WHERE max_temp_c > 40;
3
4
```

The query is completed, and the results are displayed in a table with 5 rows. The table has columns: #, deviceid, manufacture, weight, battery, battery\_life, min\_temp\_c, max\_temp\_c, and min\_hum.

#	deviceid	manufacture	weight	battery	battery_life	min_temp_c	max_temp_c	min_hum
1	"P01"	"AMZN1"	"40g / 1.4oz"	"CR2416"	"Typ. over 1 year (more in normal conditions and less in extreme cold)"	-40	60	0

The screenshot shows the Amazon QuickSight console. The visualization is a table titled "Sum of Max\_humidity, Sum of Max\_temp\_c, Sum of Min\_humidity, and Sum of Min\_temp\_c by Battery\_Life and Battery". The table has columns: battery, max\_temp\_c, min\_temp\_c, max\_humidity, and min\_humidity. The data is grouped by battery\_life.

battery	max_temp_c	min_temp_c	max_humidity	min_humidity
CR2416	160	90	0	-70
CR2432	120	0	-45	-80

The screenshot shows the Amazon QuickSight console. The visualization is a table titled "Sum of Max\_temp\_c, Sum of Min\_humidity, and Sum of Min\_temp\_c by Battery and Battery\_Life". The table has columns: battery, max\_temp\_c, min\_temp\_c, max\_humidity, and min\_humidity. The data is grouped by battery\_life.

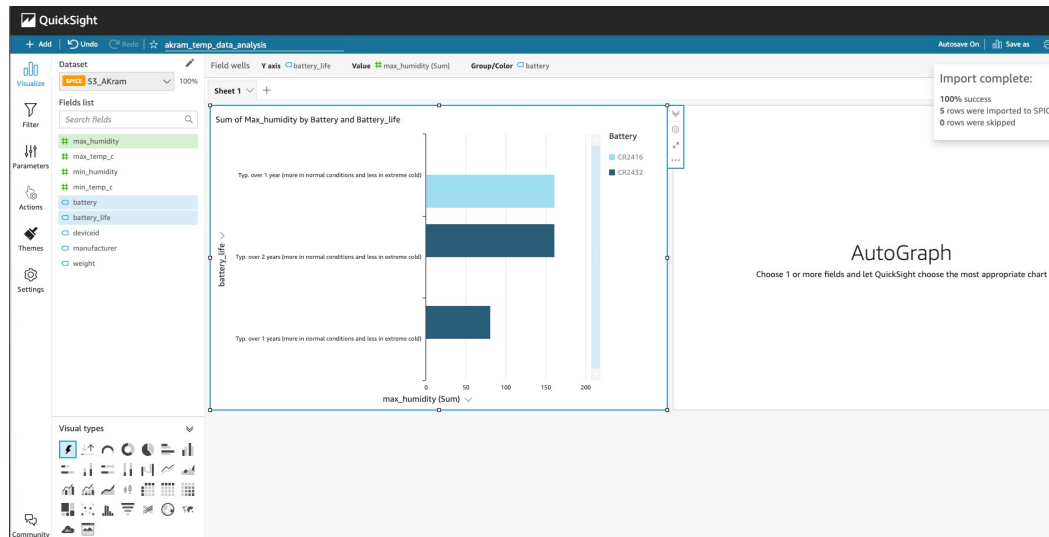
battery	max_temp_c	min_temp_c	max_humidity	min_humidity
CR2416	160	90	0	-70
CR2432	120	0	-45	-80

select

```
from_unixtime(current_ts) as timestamp ,
a.deviceid ,
a.temp ,
a.humidity,
b.min_temp_c ,
b.max_temp_c ,
b.min_humidity,
b.max_humidity
```

from

```
"akr_datalake_iota_glue_db"."akr_datalake_silver_iota_datastore" a
inner join "akr_datalake_gold_glue_db"."akr_device_specs" b on
a.deviceid = b.deviceid
where from_unixtime(current_ts) > current_timestamp - interval '2' hour
```



Name	Description
akr_datalake_gold_glue_db	
akr_datalake_iota_glue_db	
akr_datalake_raw_iota_glue_db	

**Crawlers** A crawler connects to a data store, progresses through a prioritized list of classifiers to determine the schema for your data, and then creates metadata tables in your data catalog.





[User preferences](#)

Add crawler

Run crawler

Action ▾

Q Filter by tags and attributes

Showing: 1 - 2    

<input type="checkbox"/>	Name	Schedule	Status	Logs	Last runtime	Median runtime	Tables updated	Tables added
<input type="checkbox"/>	<a href="#">akr_datalake_silver_iota_datastore_glue_crawler</a>	Every 5 minutes	Stopping	<a href="#">Logs</a>	49 secs	49 secs	0	0
<input type="checkbox"/>	<a href="#">akr_device_telemetry_stats</a>		Ready	<a href="#">Logs</a>	50 secs	50 secs	0	9