## import libraries

```
In [6]: %matplotlib inline
    import boto3
    import numpy as np
    import pandas as pd
    import seaborn as sns

In [7]: import warnings
    warnings.filterwarnings("ignore")
```

## import data from AWS

```
In [8]:
    client = boto3.client('iotanalytics', 'eu-central-1')
    data = client.get_dataset_content(datasetName= 'air_data_analysis_dataset')
    df = pd.read_csv(data["entries"][0]["dataURI"])
    df = df[df["timestamp"] >= "2021-05-27T00:00:00"]
    df = df[df["timestamp"] < "2021-06-01T00:00:00"]
    df.drop("__dt", axis = 1, inplace = True)
    df.set_index("timestamp", inplace = True)
    df=df.sort_index()
    df.head()</pre>
```

Out[8]: humidity temperature carbon\_dioxide

timestamp			
2021-05-27T07;22:34	53	20	702
2021-05-27T07:27:35	57	20	598
2021-05-27T07:32:37	52	20	766
2021-05-27T07:37:38	51	20	594
2021-05-27T07:42:40	52	21	621

```
In [9]: df.plot(use_index=True, secondary_y= ["humidity","temperature"], figsize = (16,8), marker = "o", ylim=(0,2000), rot=45, grid = True)
```

Out[9]: <AxesSubplot:xlabel='timestamp'>







