



Mobile demo Raspberry PI & Capella

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Concepts & architecture

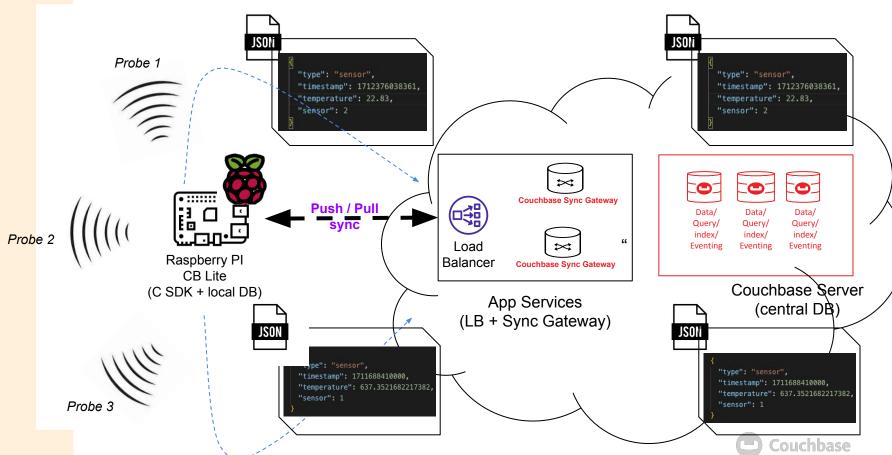
Time series concept

- Collect data with associated a timestamp
- Need to be stored in a specific <u>time series data structure</u>, i.e:

- Can be queried using the new _timeseries function to UNNEST the data points arrays
- More information inside Couchbase <u>documentation pages</u>.

Architecture overview

Couchbase Capella + AppServices

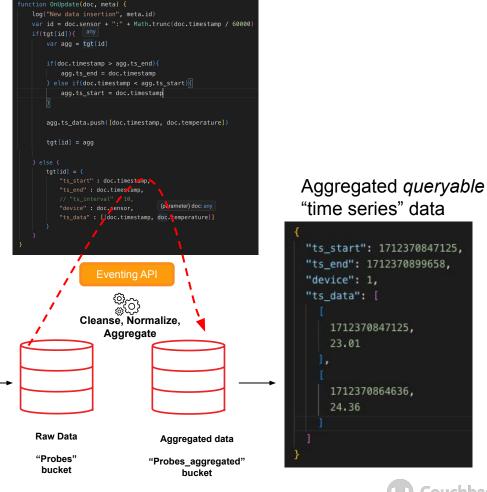


Concept: Data aggregation as time series Documents using Eventing function

Input probe: "raw" data

```
{
   "type": "sensor",
   "timestamp": 1712370847125,
   "temperature": 23.01,
   "sensor": 1
}
```

```
{
  "type": "sensor",
  "timestamp": 1712370864636,
  "temperature": 24.36,
  "sensor": 1
}
```





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