WHAT IS AN EMONCHS FEED IN REDIS ?

A HASH OF METADATAS

AN ENTRY IN THE USER: Feeds (Userid) key



which is a sorted set gardering all the feed ids belonging to the user

Start-time & interval are mandatory for PMP FINA but for a feed already sorted as a timeserie, they are not

USER 1 LOGGED IN =>

feed / list, ison



feed | data. json? id = 160M25200

HOW DOES THE ENGINE RETRIEVE THE DATAS ?

PHPFINA

time = start + i * interval

at position pos

= UNPACK

PHPTIME SERIES

start = 0
end = File size / 9 (each value is 4 bytes)

For i = 0 to 30
mid = start + end - start , 9

if time == time [mid] return mid

If end - start == 3 return mid = 3

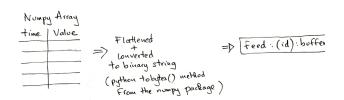
If time > time [mid] start = mid else end = mid

→ data [time] can be found in the dat File at position mid

- UNPACK

REDIS BUFFER

ONLY USED FOR DISK-WRITING PURPOSES WHY NOT USING IT TO RENDER SMALL SIZE SAMPLES, SUCH AS METEO FORECASTS?



A PYTHON SERVICE FOR SERVICE RUNNER?

READING THE REDIS BUFFER WHEN IT IS SUCH A BINARY KEY

A SIMPLE PROCESS

1) A REDIS GET -> \$ result

2) UNPACK -> \$tab = unpack ('dx', \$result, 8)

=> \$tab[0] = time stamp \$tab[1] = value

DONE !