

bike-mar-gration

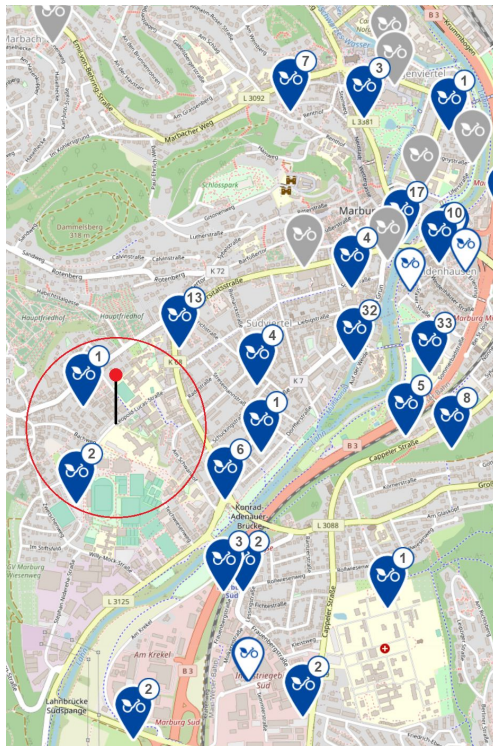
by Jakob Müller and Bela Schinke



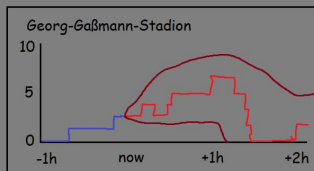
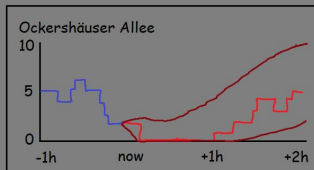


Reminder

BELA

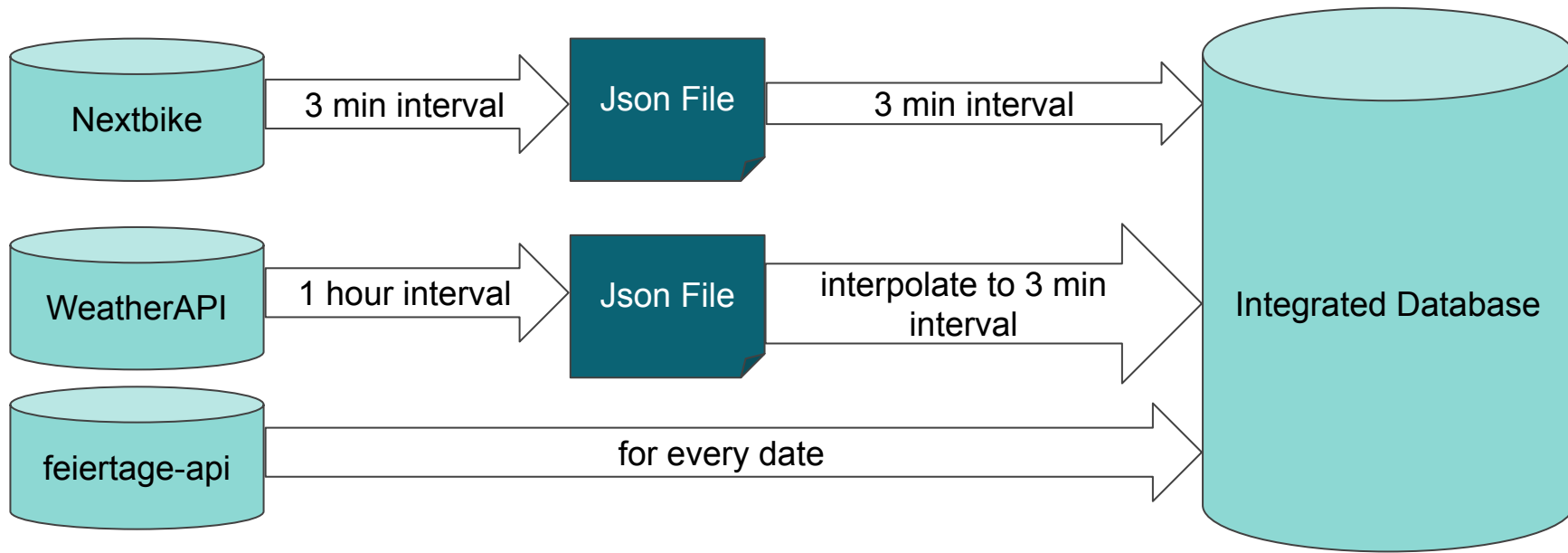


In nächster Zeit **ganz okay** viele
Bikes in Deiner Nähe



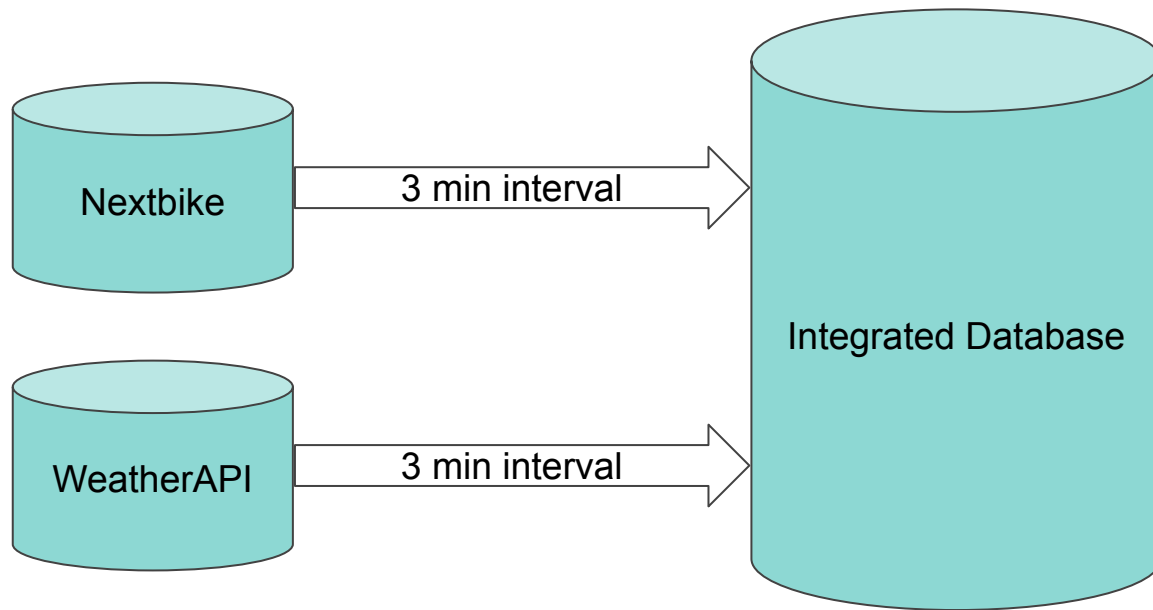


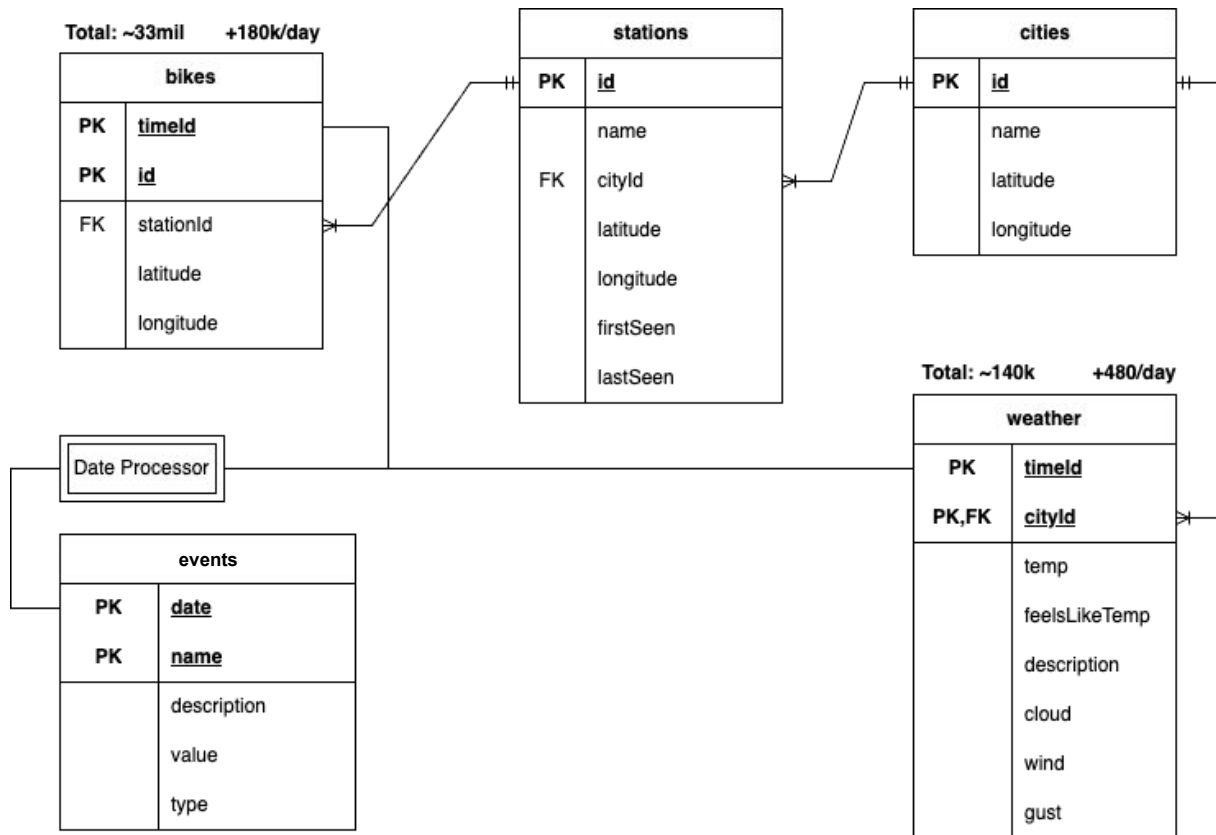
Integrations Pipeline (for historic data)





Integrations Pipeline (for live data)





 **Updated ER-Diagram**



OLTP (online transactional processing)

Example 1: Number of Bikes at all Stations ~20ms

SELECT

name, latitude, longitude, **COALESCE**(numBikes, 0) as n

FROM

(**SELECT** * **FROM** stations

WHERE firstSeen <= **\${timeId}**

AND lastSeen >= **\${timeId}**

) s

LEFT OUTER JOIN

(**SELECT**

stationId, **COUNT**(id) as numBikes

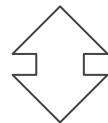
FROM bikes

WHERE timeId = **\${timeId}**

GROUP BY stationId) b

ON s.id = b.stationId;

bikes

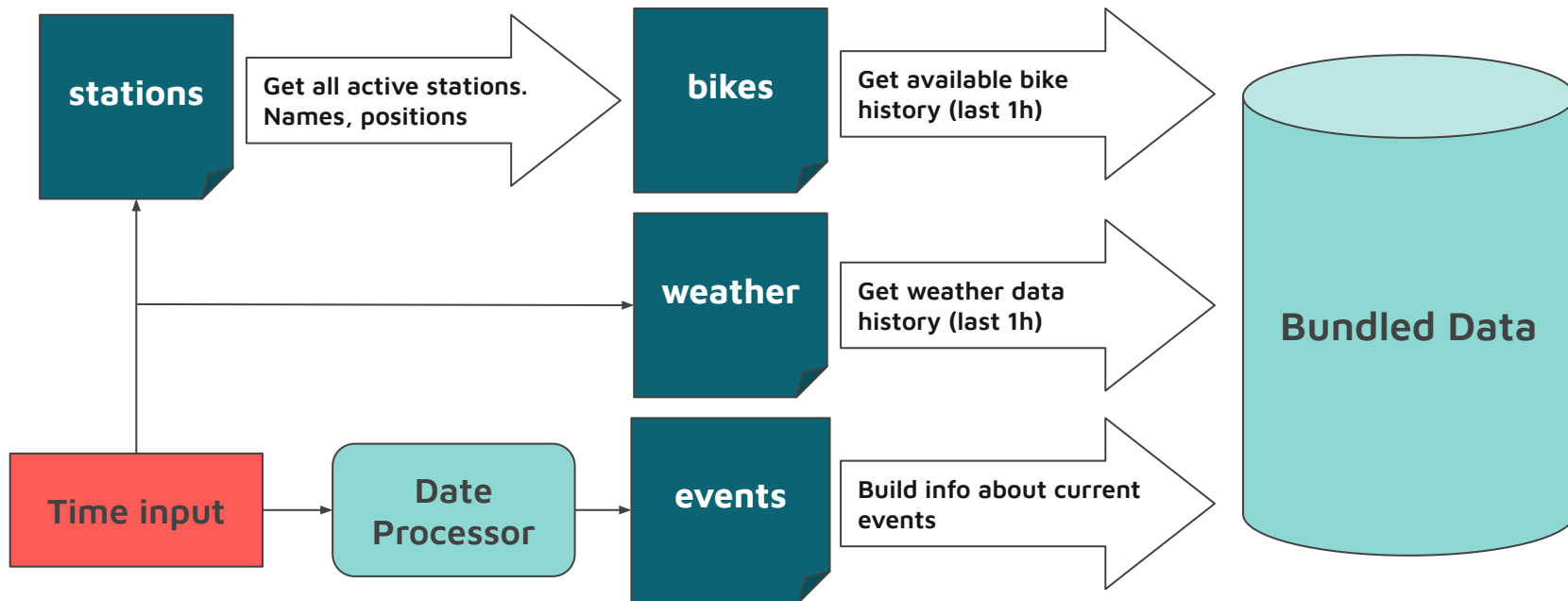


stations



OLTP (online transactional processing)

Example 2: Create training/prediction instance ~25ms



Product preview

Not all interactions
are fully
implemented

