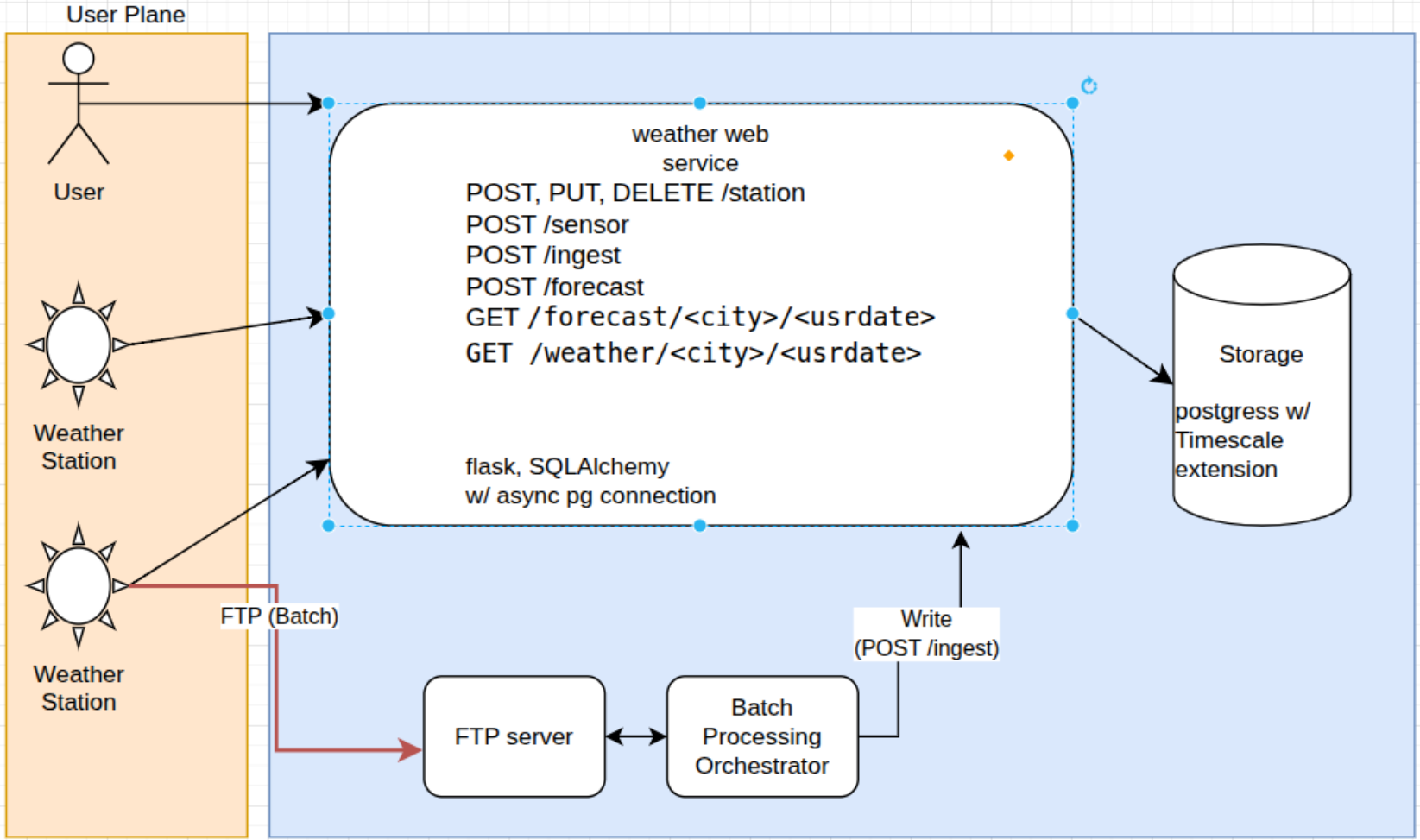
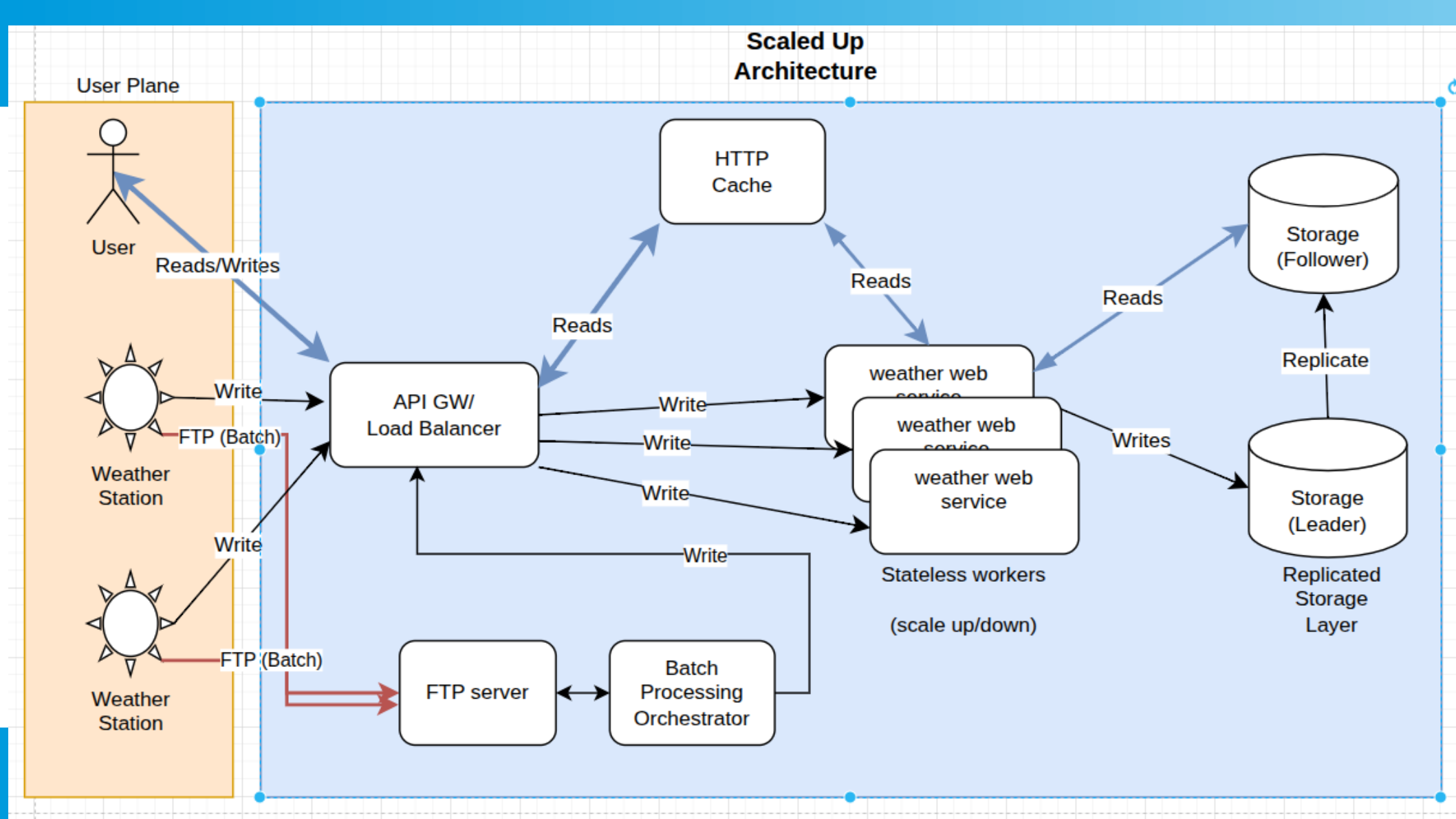
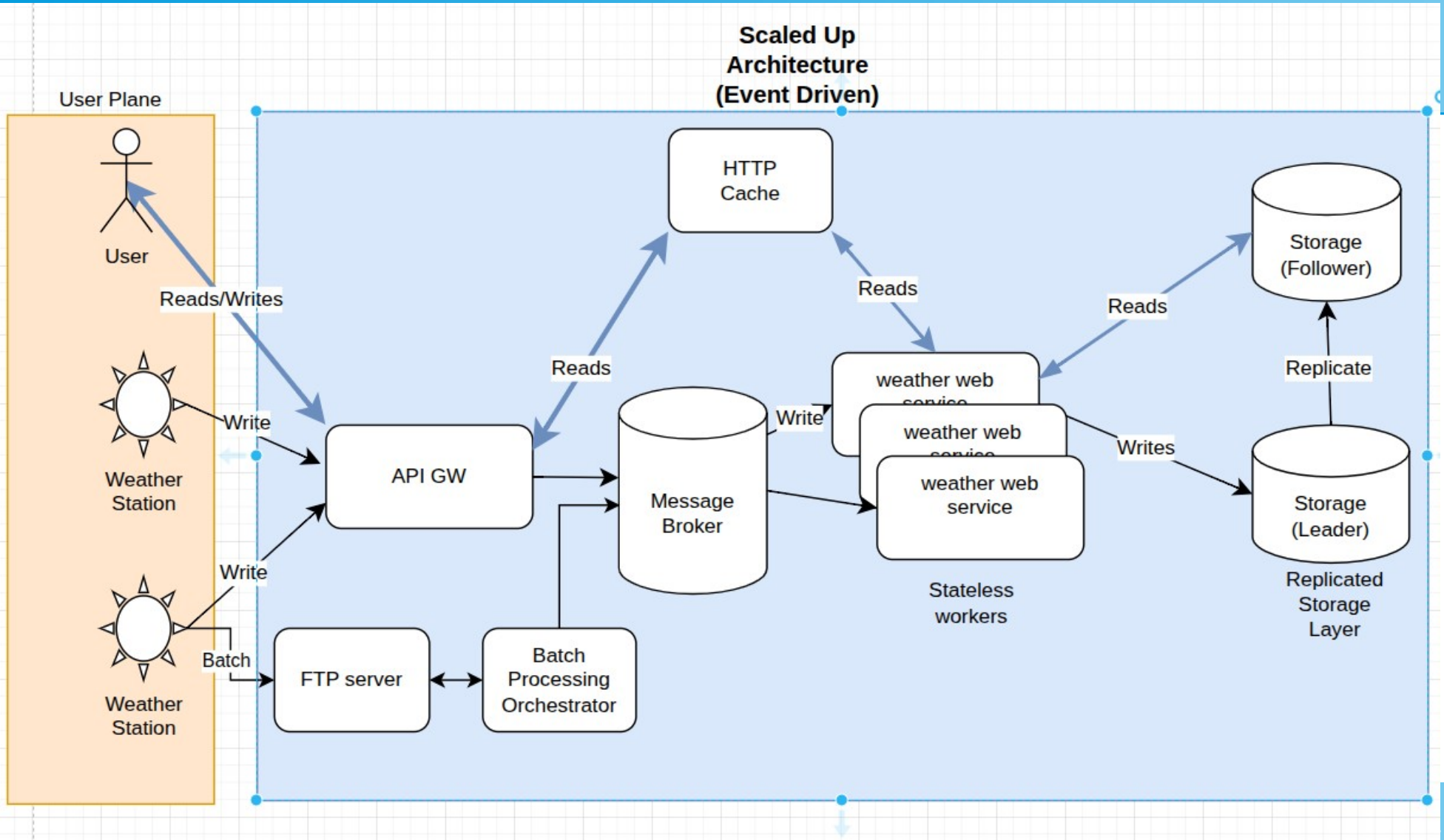
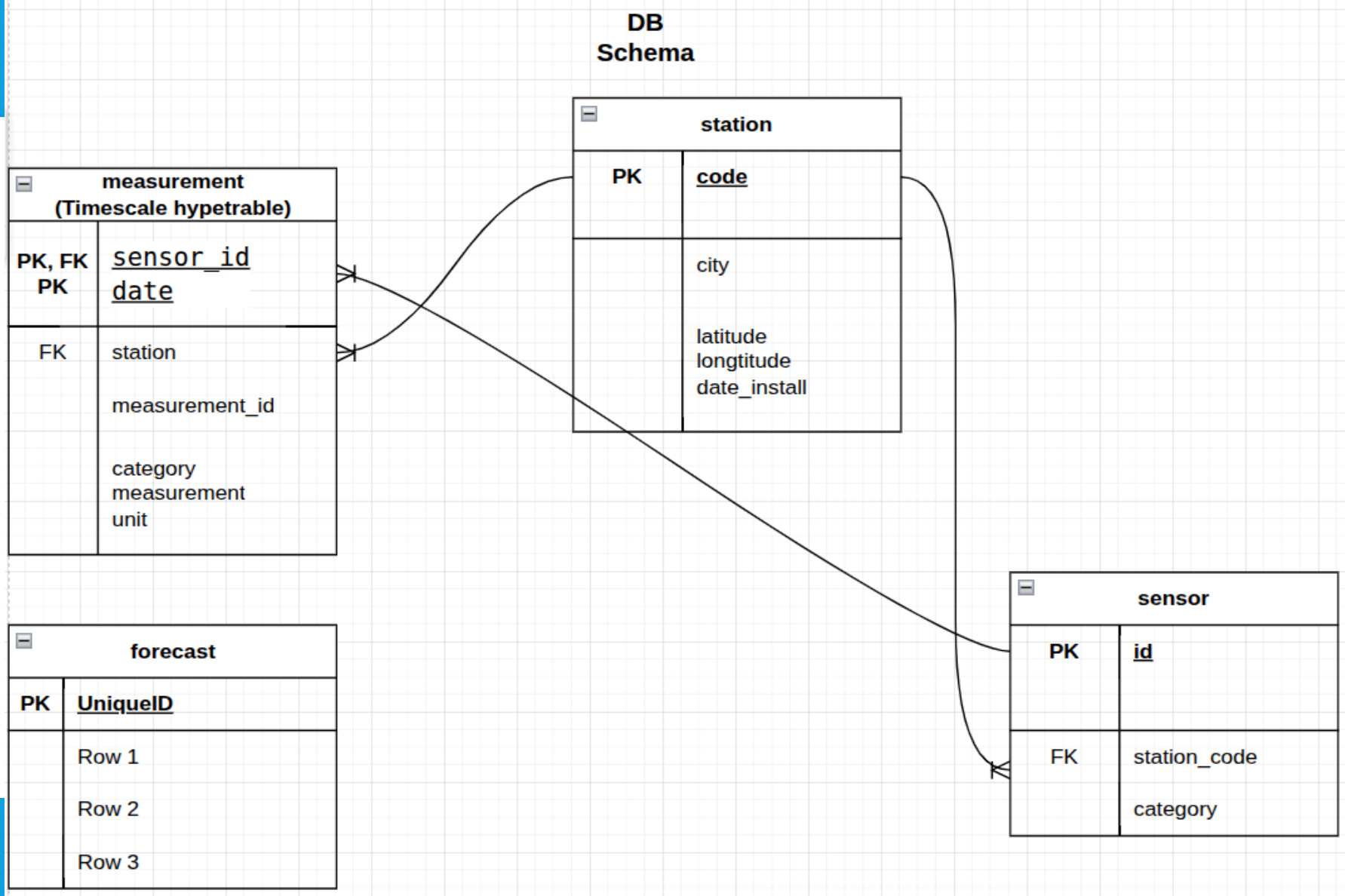
Weather WEB App

MVP
Architecture




Scaled Up
Architecture
User Plane
User
Reads/Writes
Weather
Station
Write
FTP (Batch)
Weather
Station
Write
FTP (Batch)
API GW/
Load Balancer
HTTP
Cache
Reads
Reads
Write
Write
Write
Write
weather web
service
weather web
service
weather web
service
Stateless workers
(scale up/down)
Reads
Writes
Storage
(Follower)
Replicate
Storage
(Leader)
Replicated
Storage
Layer
FTP server
Batch
Processing
Orchestrator


Scaled Up
Architecture
(Event Driven)
User Plane
User
Reads/Writes
Weather
Station
Write
Weather
Station
Write
Batch
API GW
HTTP
Cache
Reads
Reads
Message
Broker
Write
FTP server
Batch
Processing
Orchestrator
weather web
service
weather web
service
weather web
service
Stateless
workers
Reads
Writes
Storage
(Follower)
Replicate
Storage
(Leader)
Replicated
Storage
Layer


DB
Schema
station
PK
code
city
latitude
longtitude
date_install
measurement
(Timescale hypetrable)
PK, FK
PK
sensor_id
date
FK
station
measurement_id
category
measurement
unit
sensor
PK
id
FK
station_code
category
forecast
PK
UniqueID
Row 1
Row 2
Row 3