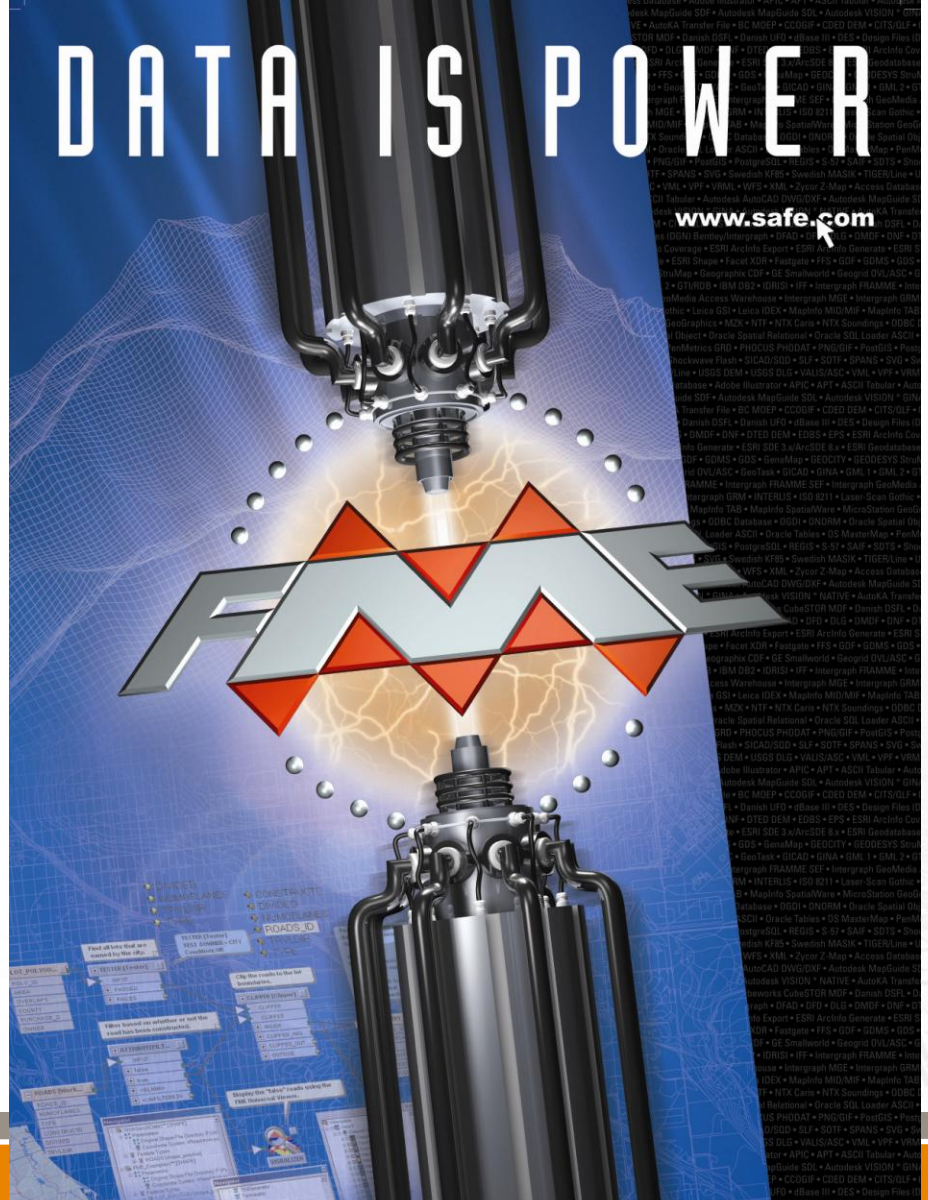
Real-Time, Location-Based Asset Management

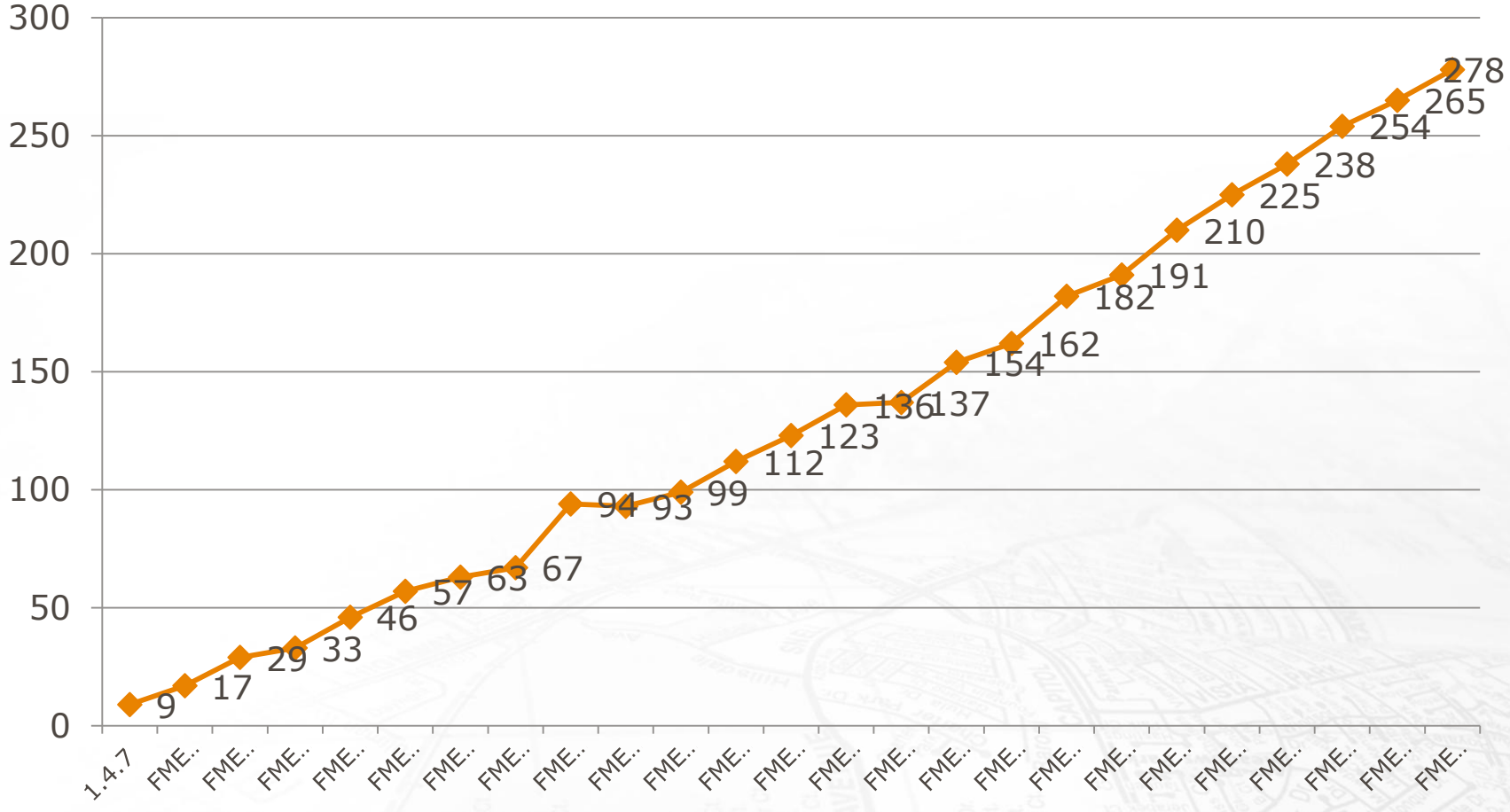
SAFE SOFTWARE

The World today is runs on …


DATA IS POWER
www.safe.com

World of data was …

It came in about 300 formats...



Data Specific to applications

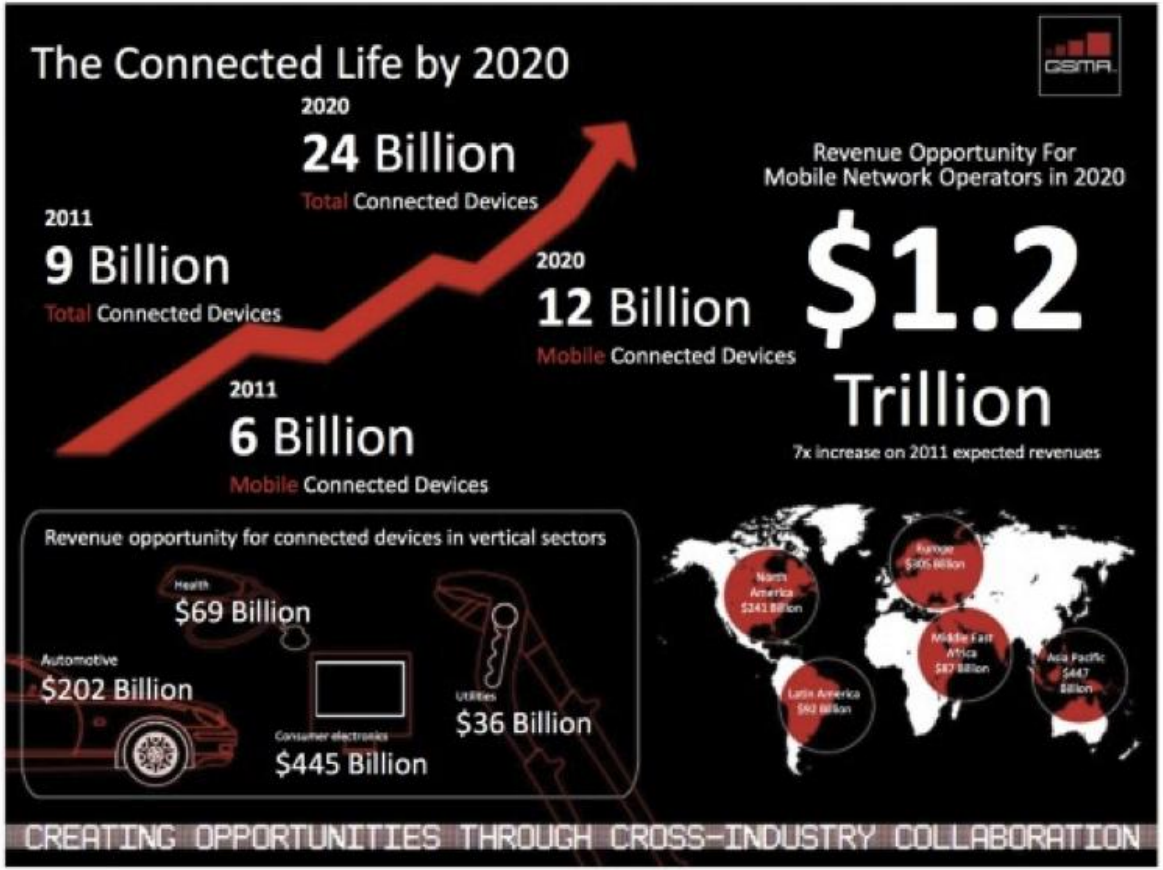
Metadata…

data was built for App so no worries.

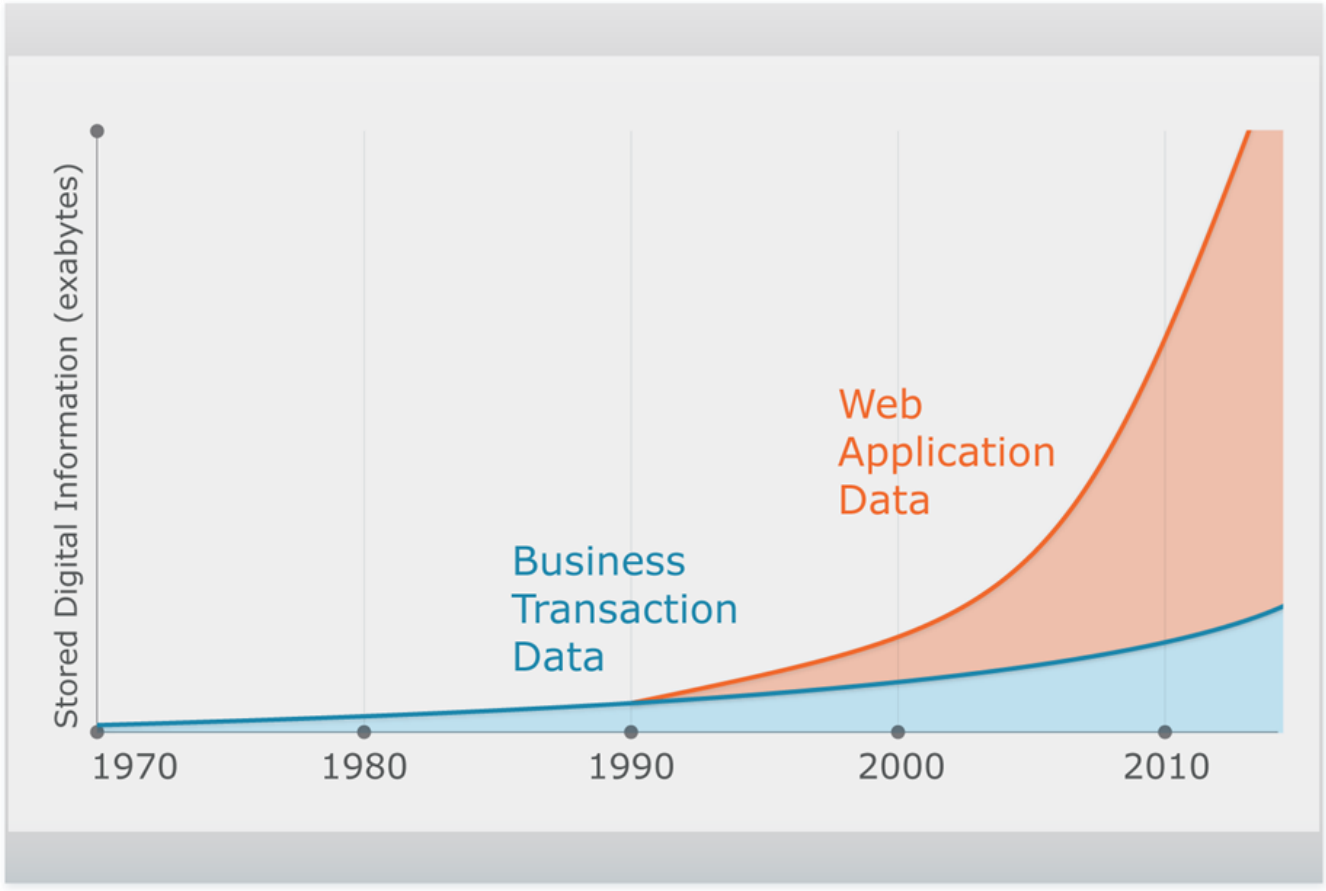
Things have changed….

Users want *more*
and *more* data
faster* and *faster!

Connected Devices

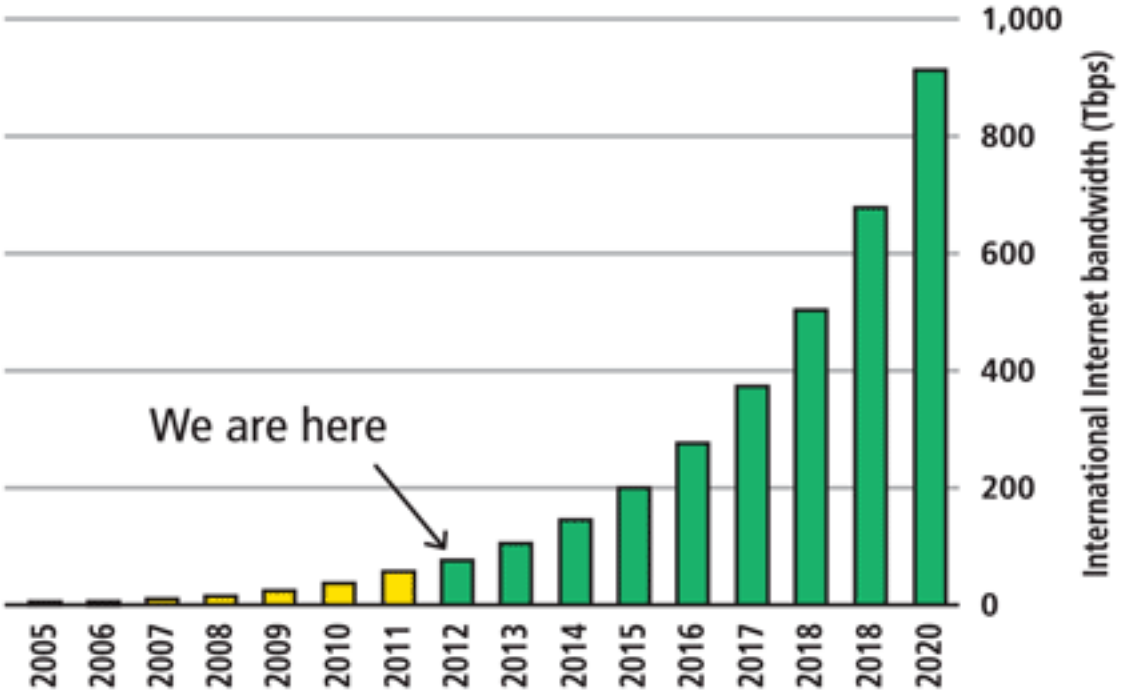


Data Volumes Explode



International internet backbone capacity

Chart 3



Source: TeleGeography

why?

real
time™

roflposters.com

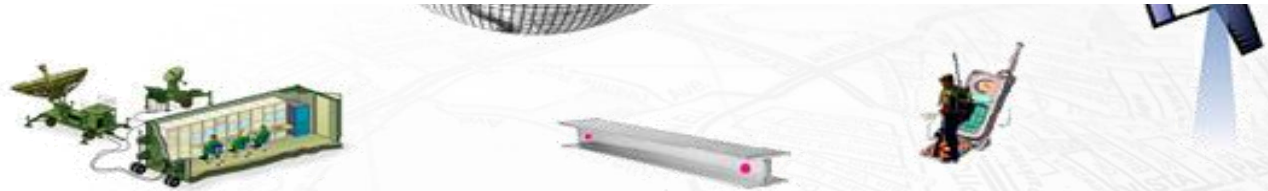
WHY???

WHY GOD WHY!!!

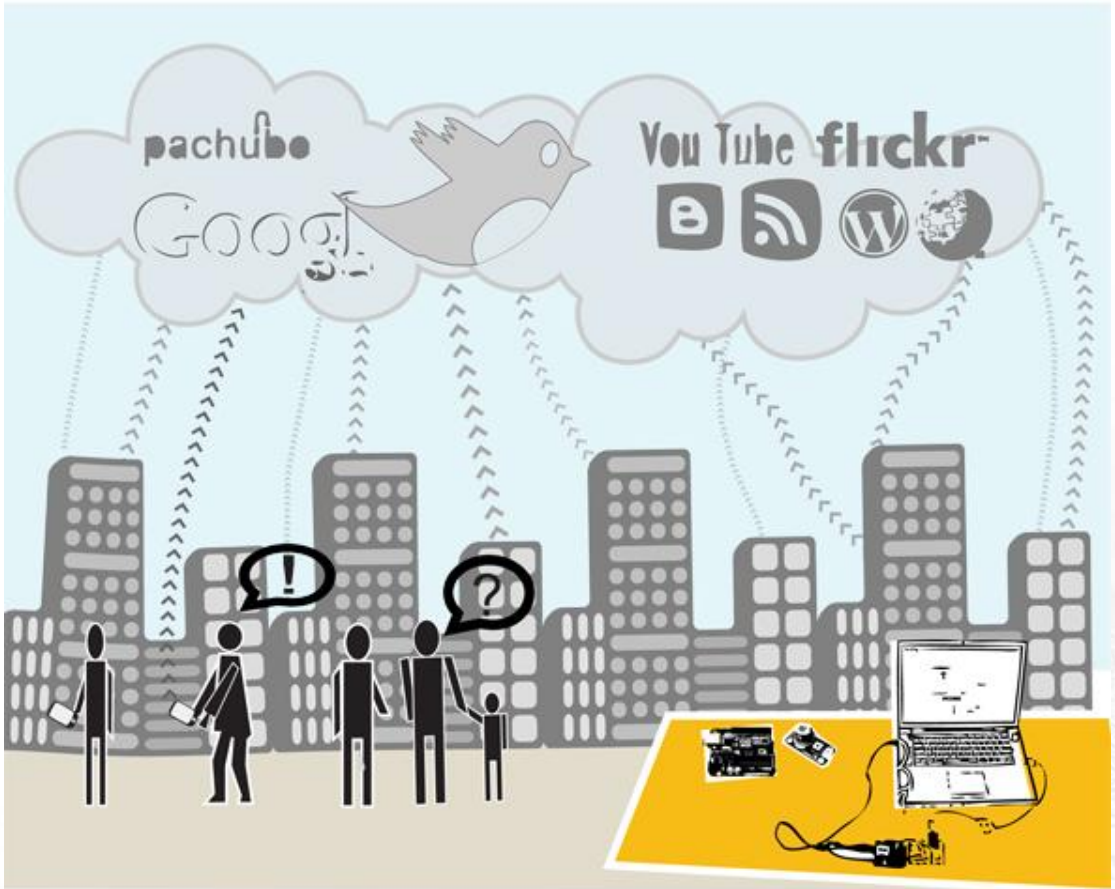
WHEN
GETTING IT
FAST IS TOO
SLOW,
GET IT IN
REALTIME

Sensors are everywhere!

By the year 2020 there will be over 2 billion connected sensors!



Citizens as Sensors

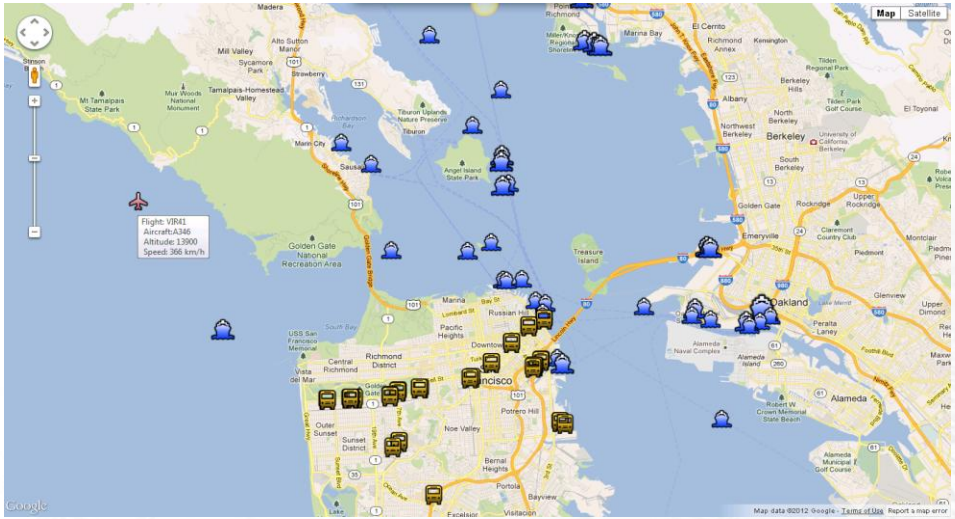


Real-Time

Support for Real Time Data

Live Spatial Dashboard

http://fme.ly/SpatialDashboard



Live Spatial Dashboard

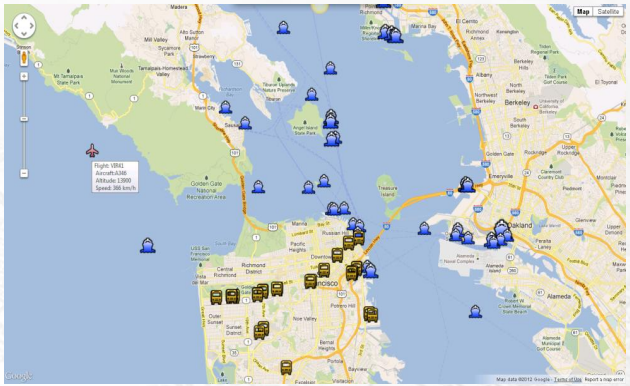
Google Maps - Web Sockets - FME Server

Source data:

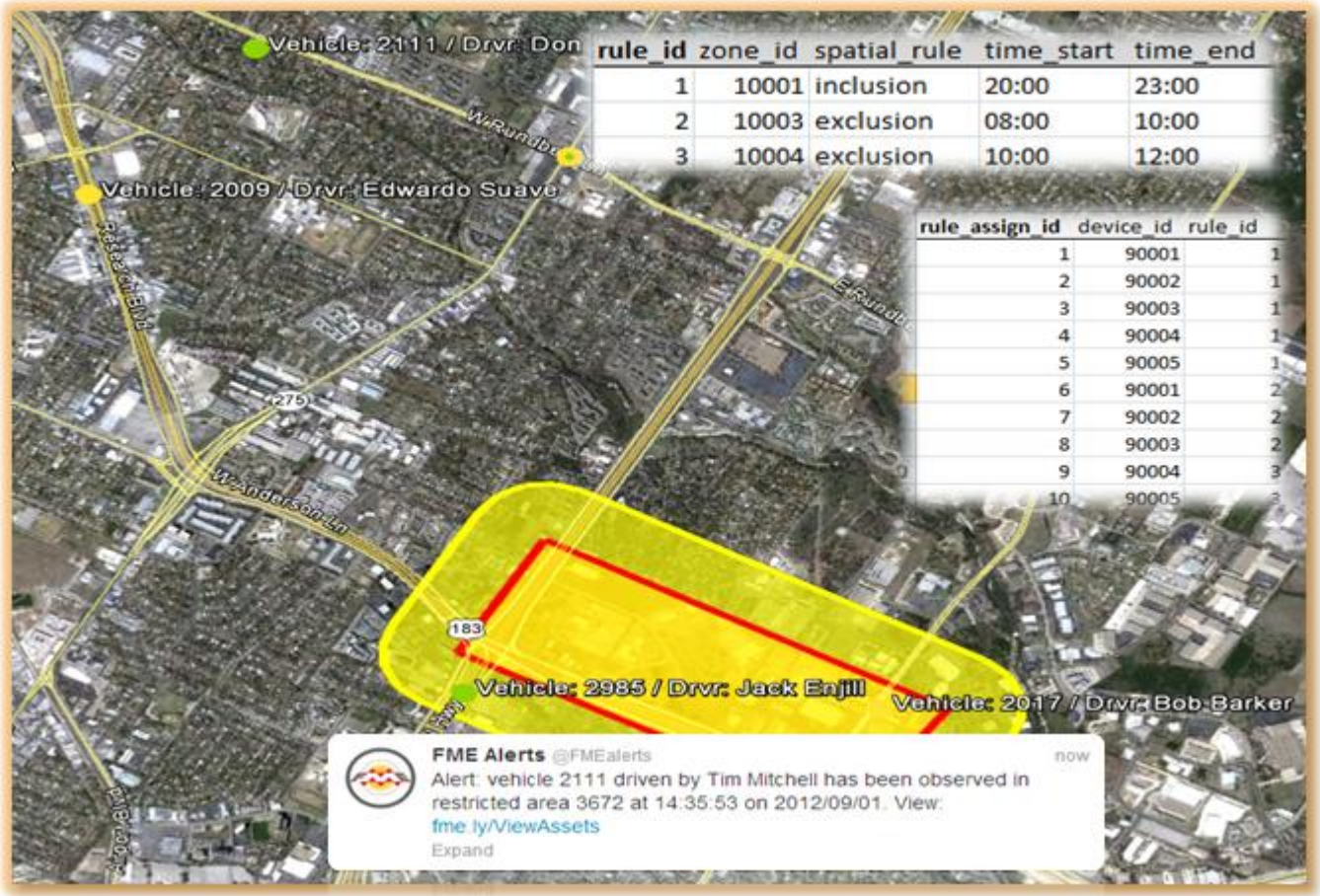
- Event Stream (TCP)
- XML
- JSON

Destination data:

- Event Stream (Web Sockets)



Geo-Fence Moving Assets Demo



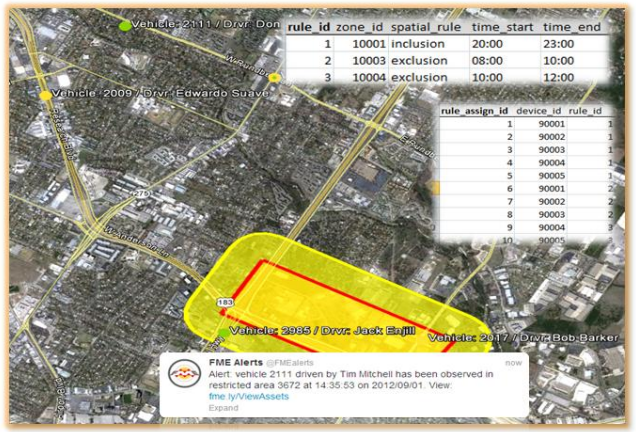
Geo-Fence Moving Assets Demo

FME Server running compliance checks as data is updated.

Source data is simulated but could be any data stream that FME Server supports.

Destination data:

- Google Earth Network Link
- Push to Mobile.
- Email



Real-Time Asset QA and Update

Realtime Display Send CAD data by email and watch it appear in realtime

User manual

1. Prepare database Database not ready

Delete data

2. Download example data

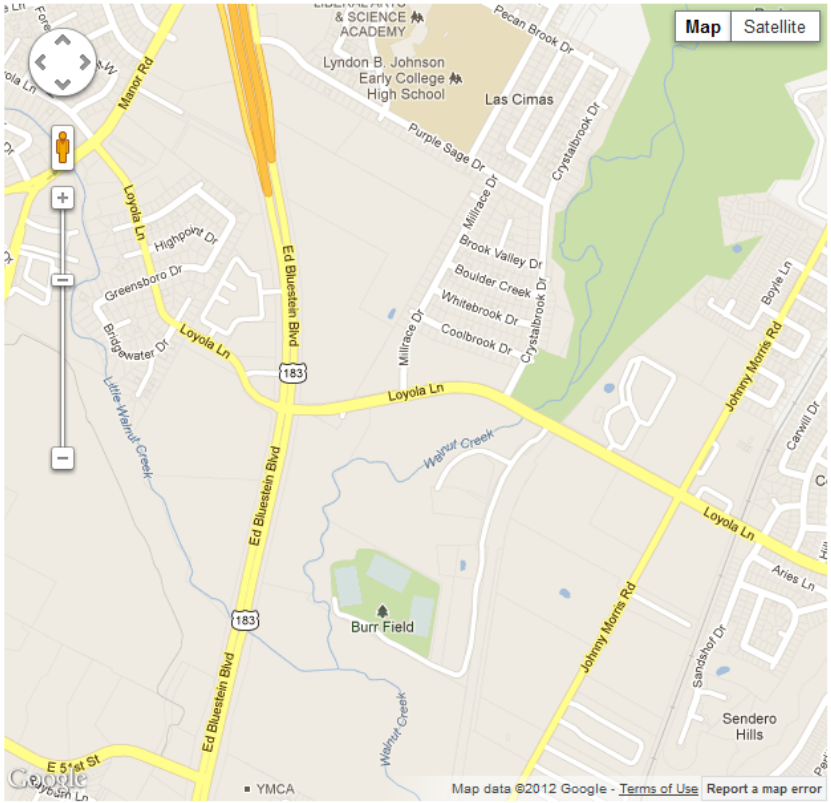
distribution_N25_good.dwg
distribution_N25_bad.dwg

3. Send file to FMEServer

cad_waterqa@demo.fmeserver.com

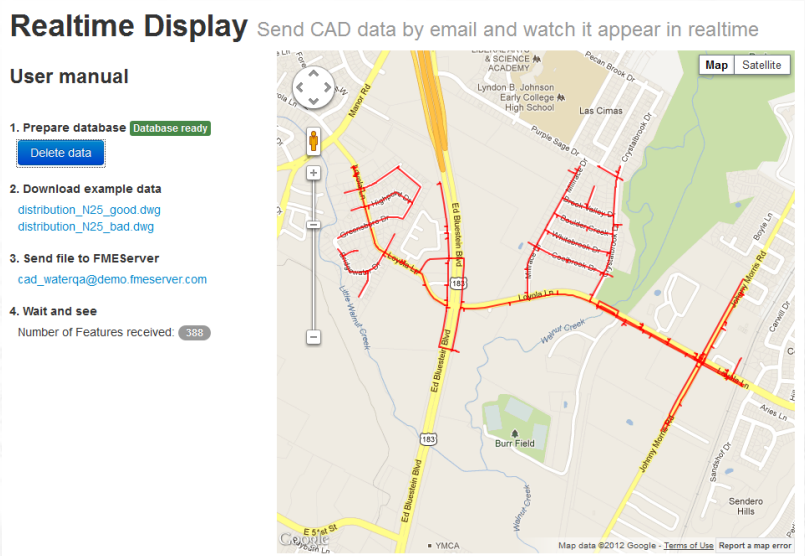
4. Wait and see

Number of Features received: 0

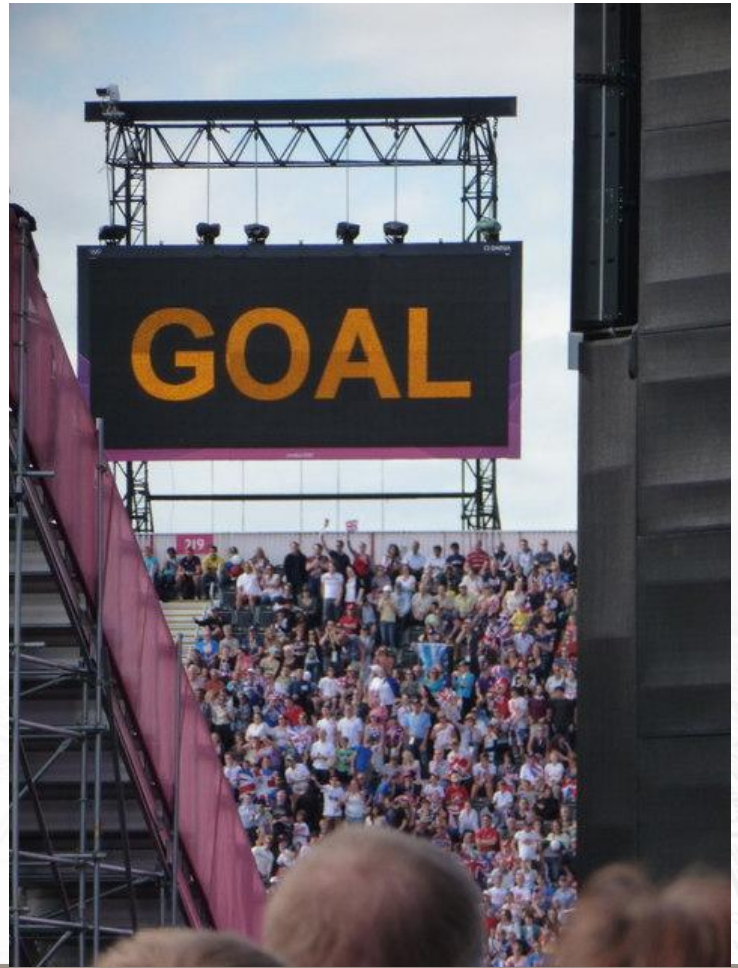


Real-Time Asset QA and Update

- Simple email interface.
- Users see updates immediately
- Submit data in any format.
  - HTML 5 Web Sockets
  - No polling

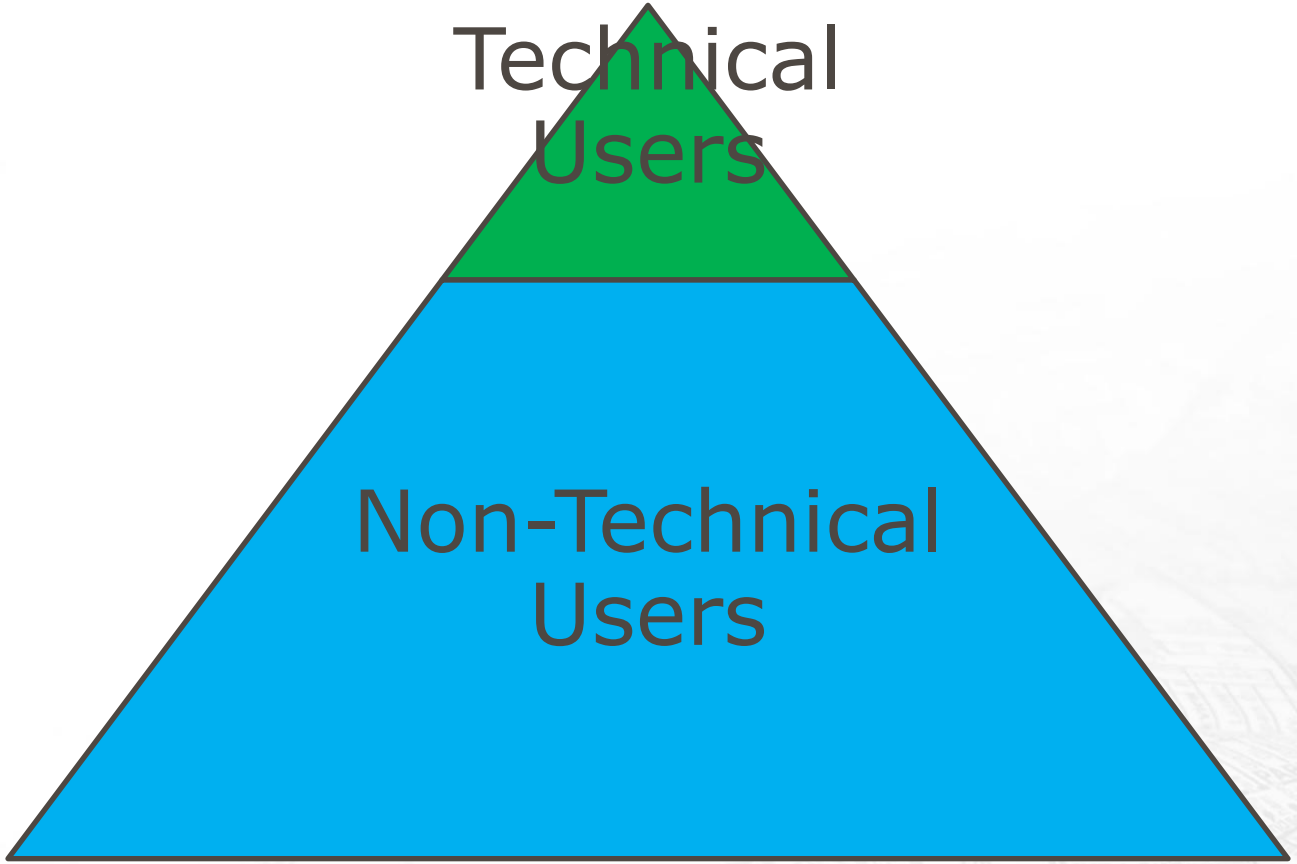


What is Goal here?

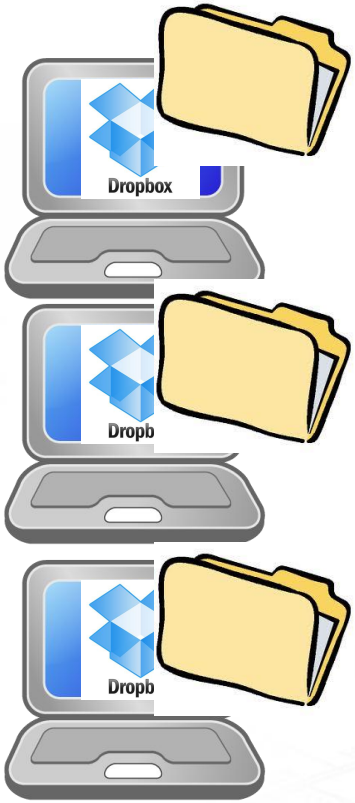


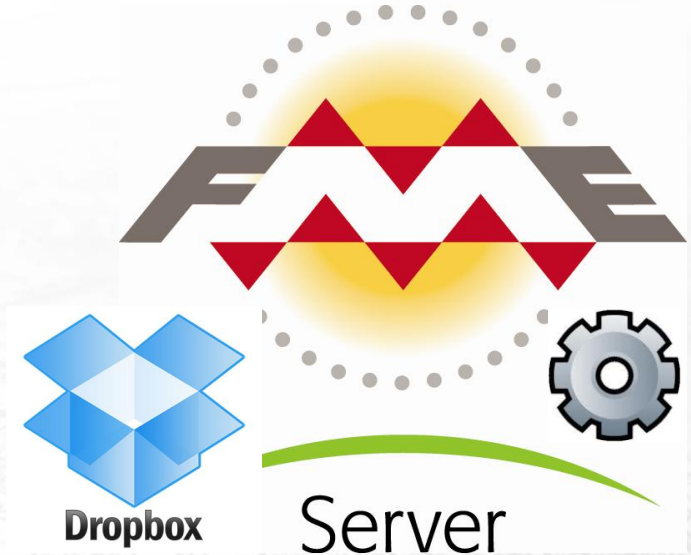
Make it ….

Target Non-Technical Users



Drag and Drop Workflow Execution



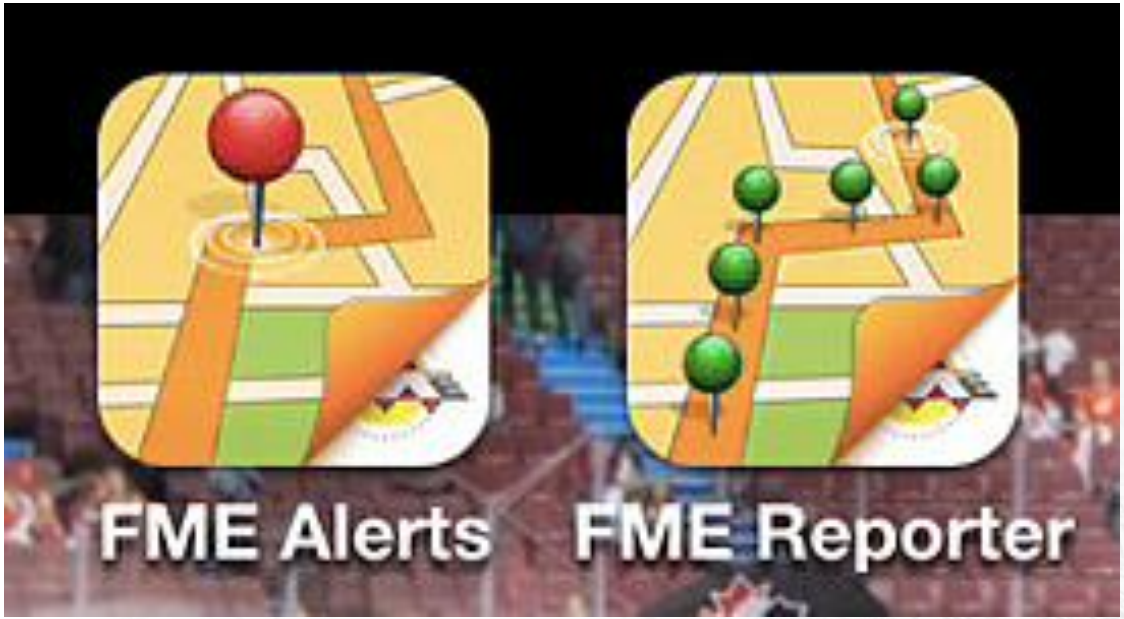


Drag and Drop Workflow Execution

What’s Next

Mobile Devices

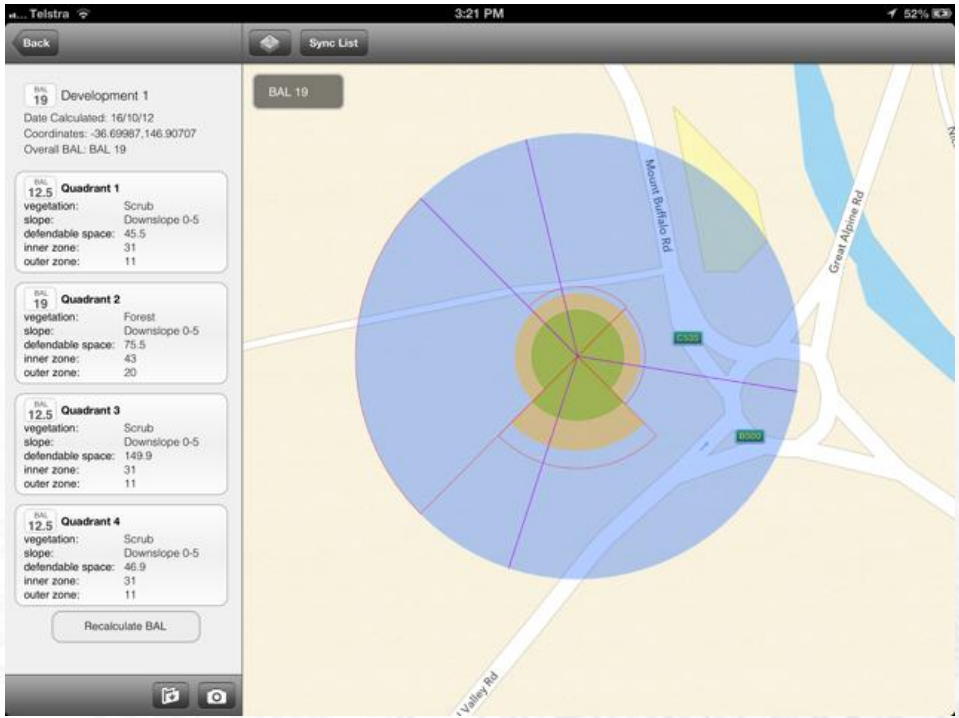
Generic Mobile Apps



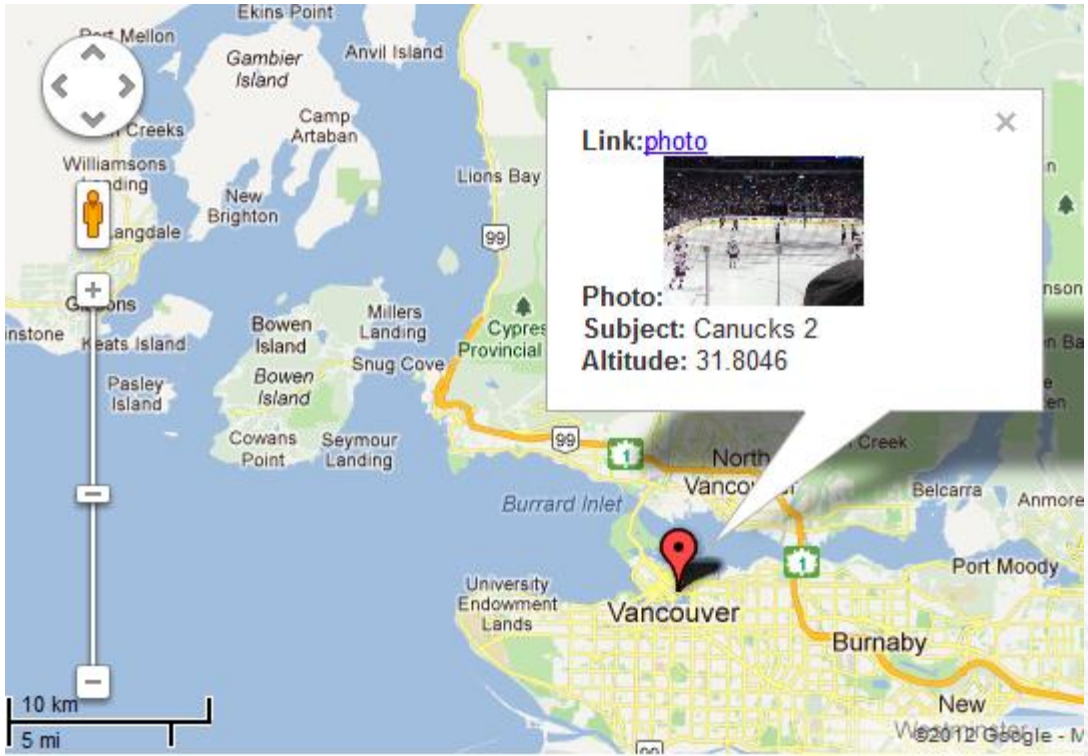
Powering Mobile Apps

Safe to Build App

- iPad App
- Answers Question: Is it safe to build here?
- App is front end with processing on server.



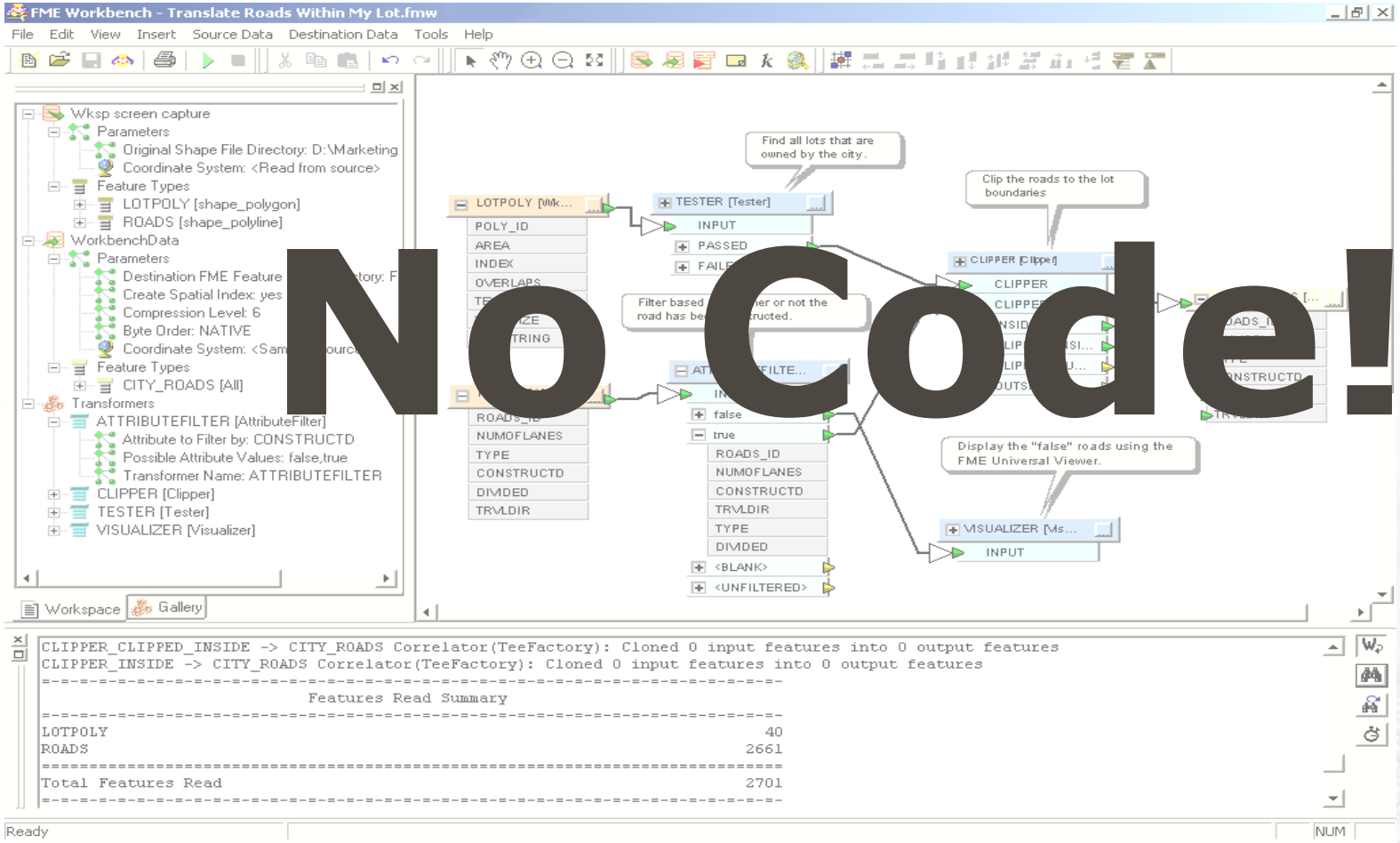
Geo-Tagged Photo Submission!



Email: <topic>@<hostname>

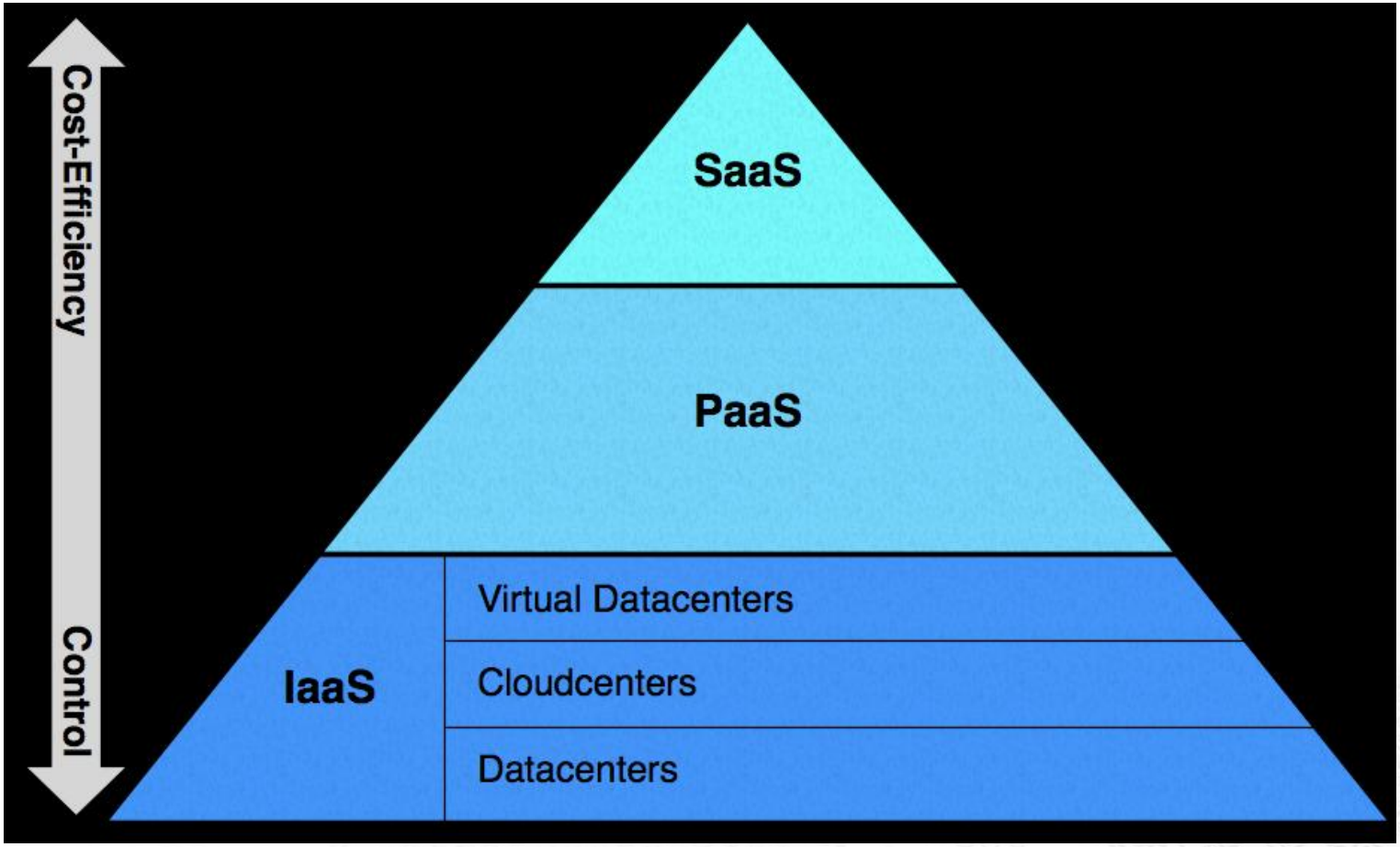
Make it ….

Graphical Authoring Environment

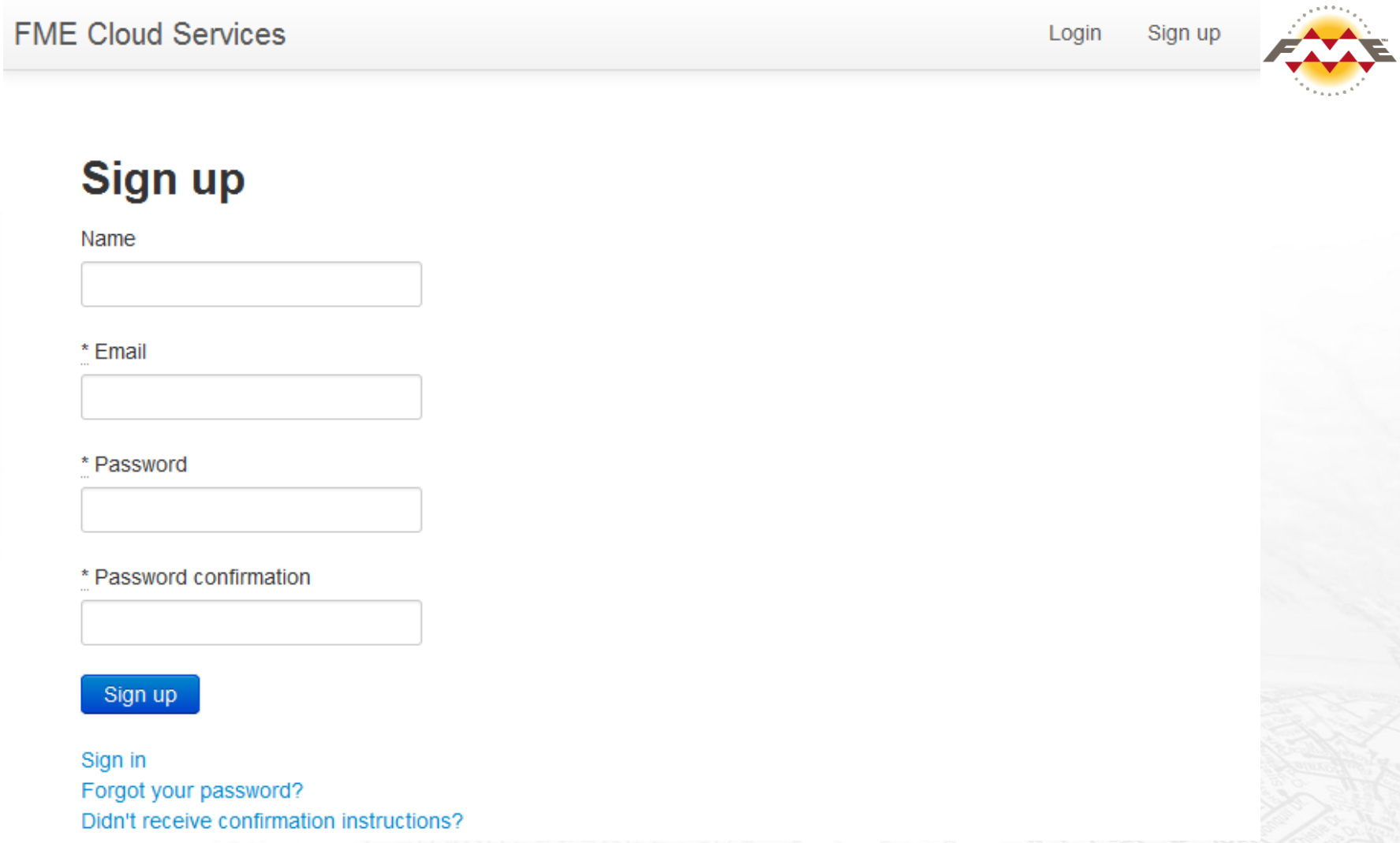


No Code!

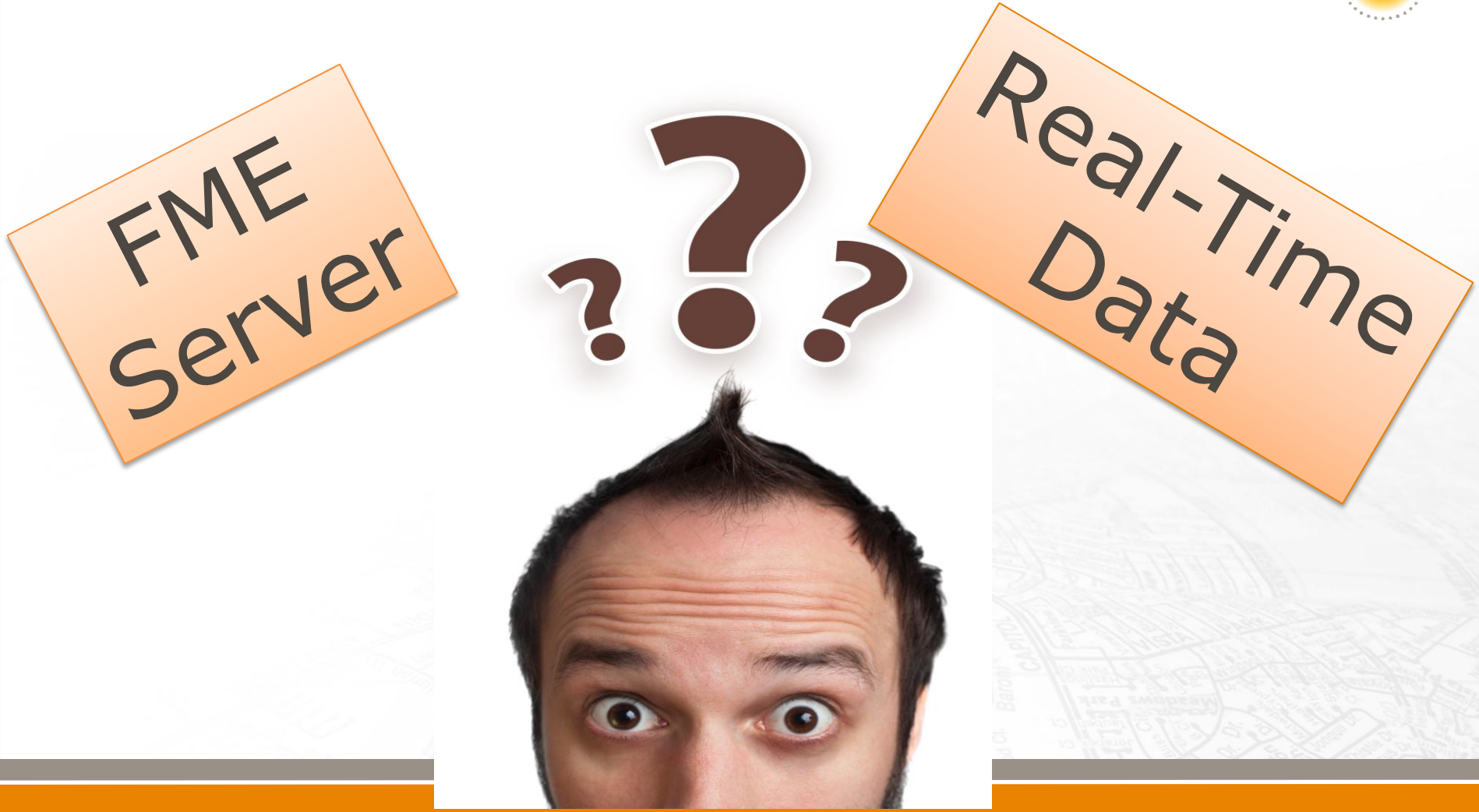
Platform as a Service



Software as a Service


FME Cloud Services
Login
Sign up
Sign up
Name
* Email
* Password
* Password confirmation
Sign up
Sign in
Forgot your password?
Didn't receive confirmation instructions?

Question & Answer



Thank You!

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    - support@safe.com
    - (604)501-9985 ext. 278