Workshop

A. **Create a "google maps point of interest mashup" using Fi-ware technologies.**

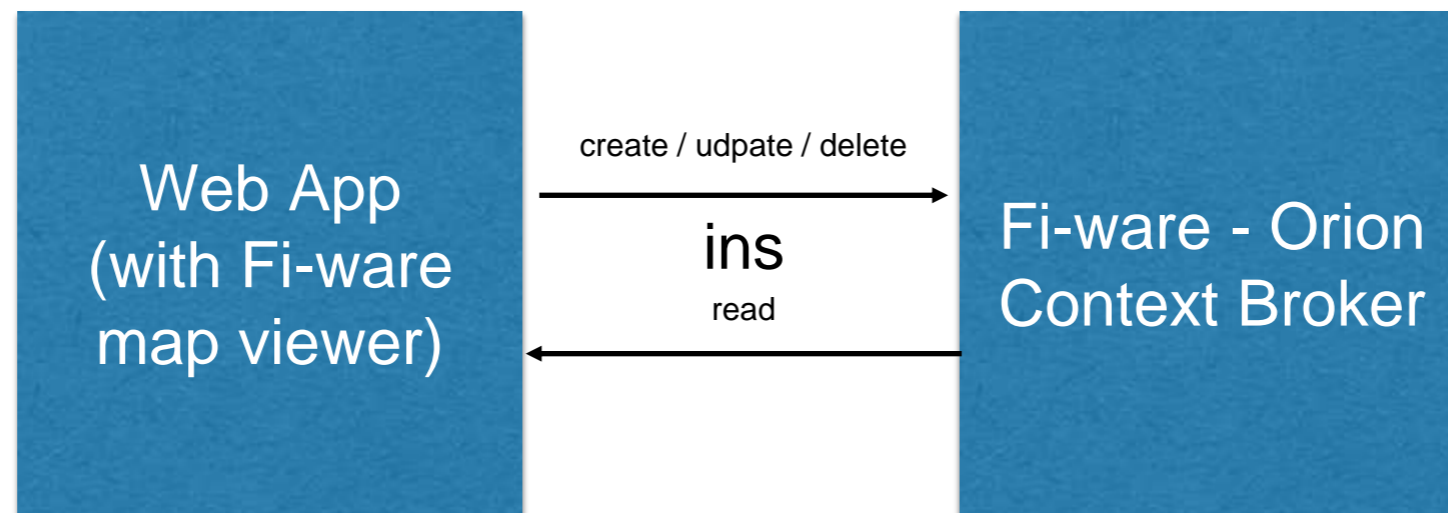# Who we are?

- datalook.io

- Technical points good to know:

  - Web app based in MeteorJs
    https://www.meteor.com/

  - Javascript Full stack (NodeJS + mongoDb)

  - Fully reactive

A-What we gonna do?

1. Create an service instance (based in orion) which store our POIs.

2. Create and configure the needed Fi-ware mashups for consuming and displaying this info

Steps

- Architecture:

- First, create an account in:
  https://account.lab.fiware.org/

lets start: installing Orion

1. Create an instance from scratch using fi-ware cloud

2. Install context broker on it.
    (https://forge.fiware.org/plugins/mediawiki/wiki/fiware/index.php/Publish/Subscribe_Broker_-_Orion_Context_Broker_-_Installation_and_Administration_Guide)

3. Test the context orion broker instance using Script

Payload

Test it! We use a client mockup application to save and read POIs

```
{
  "contextElements": [
  {
    "type": "Cities",
    "isPattern": "false",
    "id": "Barcelona-1",
    "attributes": [
    {
      "name": "position",
      "type": "coords",
      "value": "40.418889, -3.691944",
      "metadatas": [
      {
        "name": "location",
        "type": "string",
        "value": "WGS84"
      }
      ]
    }
    ]
  }
}
```

Mashup map viewer:

Configure your Mashup:

- NGSI Source:

    - NGSI server URL: http://<your_internal_ip>:1026

    - NGSI proxy URL: http://ngsiproxy.lab.fi-ware.org

    - Use the FIWARE credentials of the user: yes

- NGSI entity types: City Monitored NGSI Attributes: position

- NGSI entity to POI

    - Coordinates attribute: position

- Map viewer:

    - Initial Location: Barcelona

Thanks!

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