



mingle.io

bringing data to life

single.io...

- is all about bringing data to life
- Zurich-based start-up
- Single Query API for Open Data: elegant and expressive
- takes care of data management

available datasets

- Zürich OGD csv + json files
- GeoNames
- OurAirports
- OpenFlights
- OpenStreetMap POIs

querying data in mingle.io

```
@query.json
expr": "[ {n: p.name, c} | p <~ osmpois, c <- in, p.cuisine == c ]",
limit": 3,
filters": [{"n": ["burger", "chinese"]} ]
```

```
curl --data-binary @query.json https://data.mingle.io
```

```
result": [
  { "n": "McDonald's", "c": "burger" },
  { "n": "Jollibee", "c": "burger" },
  { "n": "Golden Wok", "c": "chinese" } ],
time": "405.533184ms" }
```

```
{a.name,  
  a.lat,  
  a.lon,  
  c.iso,  
  c.iso3,  
  capital: upper(c.capital)} |
```

```
a <~ ourairports,  
  c <- countryinfo,
```

```
a.iso_country == c.iso ]
```

language

```
hello"
```

```
.23
```

```
true
```

```
{id: 1, name: "Bill"}
```

```
[1, 2, 3]
```

```
"Bill", "John", "Mary"]
```

```
{id: 1, name: "Bill"}, {id: 2, name: "John"}, {id: 3, name: "Mary"}]
```

```
i*2 | i <- [1, 2, 3], i != 2]
```

```
i*j | i <- [1, 2, 3], j <- [10, 20]]
```

comp

- open source (written in Go)
- in memory & parallel execution
- in - xml, json, csv
- out - json
- HTTP interface
- no storage apart from the input files



mingle.io

<https://mingle.io/events/2013/zuerihacknights>