

# Monitoring services for DCO

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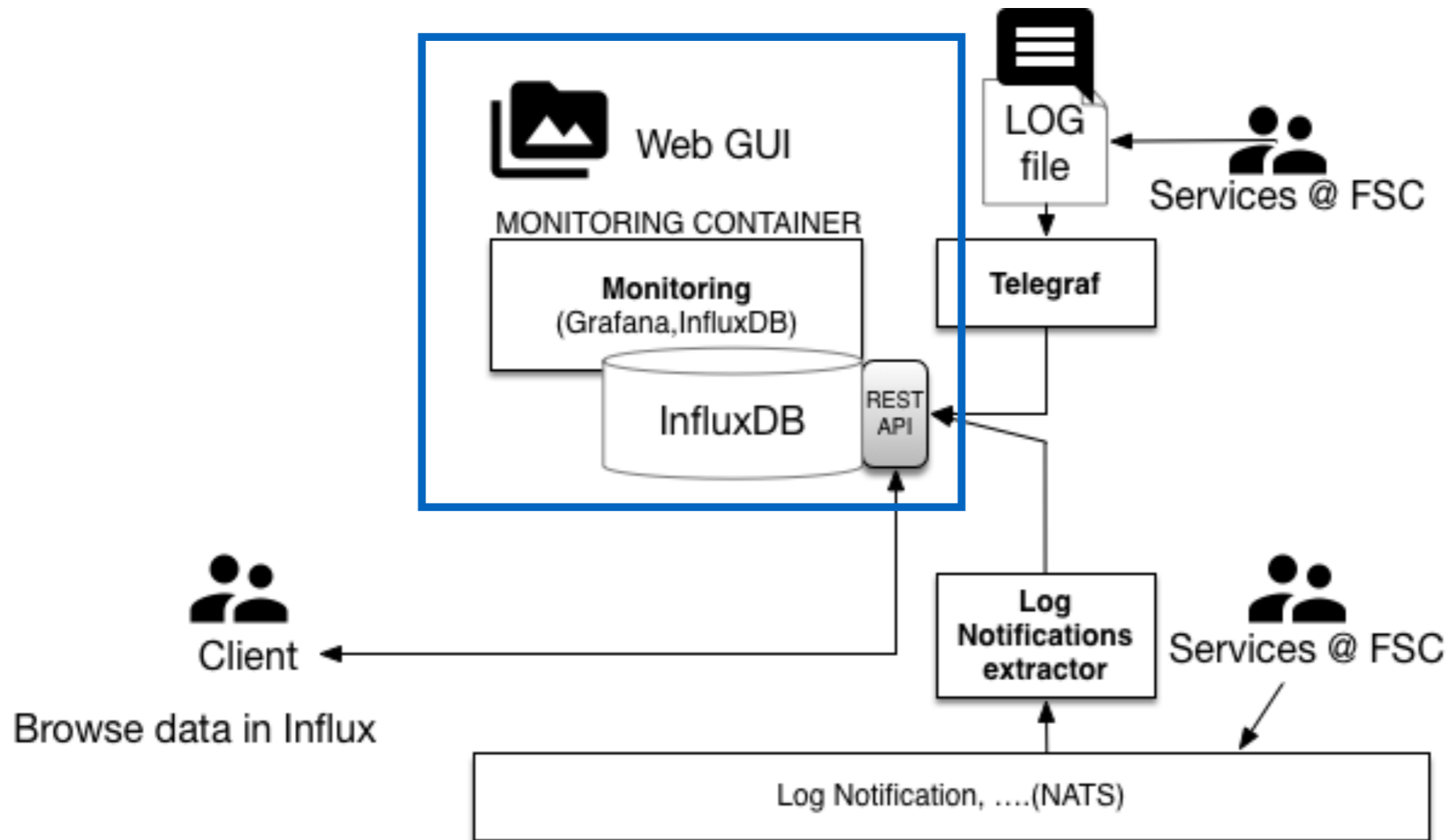


# Monitoring services

- **A time series database (InfluxDB)**
  - ▶ Store “measurements” indexed by time
  - ▶ Provide functions to :
    - count , sum , compute avg, stddev etc on a given time range (10s, 1m, etc...)
  - ▶ It is not a relational DB
- **Grafana**
  - ▶ Web application to quickly create Dashboards
  - ▶ Define an input DataSource and create a set of Panels showing your data....(tables, plots, ...)



# DC0 monitoring service architecture





# DC0 status

- **Deployment of services**
  - ▶ Follow instructions in Svom-deployment project (*monitoring*)
  - ▶ No dependencies on other services
- **Configuration**
  - ▶ Need some manual configuration (once)
    - Create some “DB” and “USER” in InfluxDB
    - Create datasources in grafana
    - Create users in grafana
    - Upload the existing dashboards (you can save dashboards from grafana to a JSON file in order to load them quickly later on)



# DC0 monitoring status

- Use cases until now
  - ▶ X-Band dashboard...under development
  - ▶ VHF dashboard
  - ▶ ....

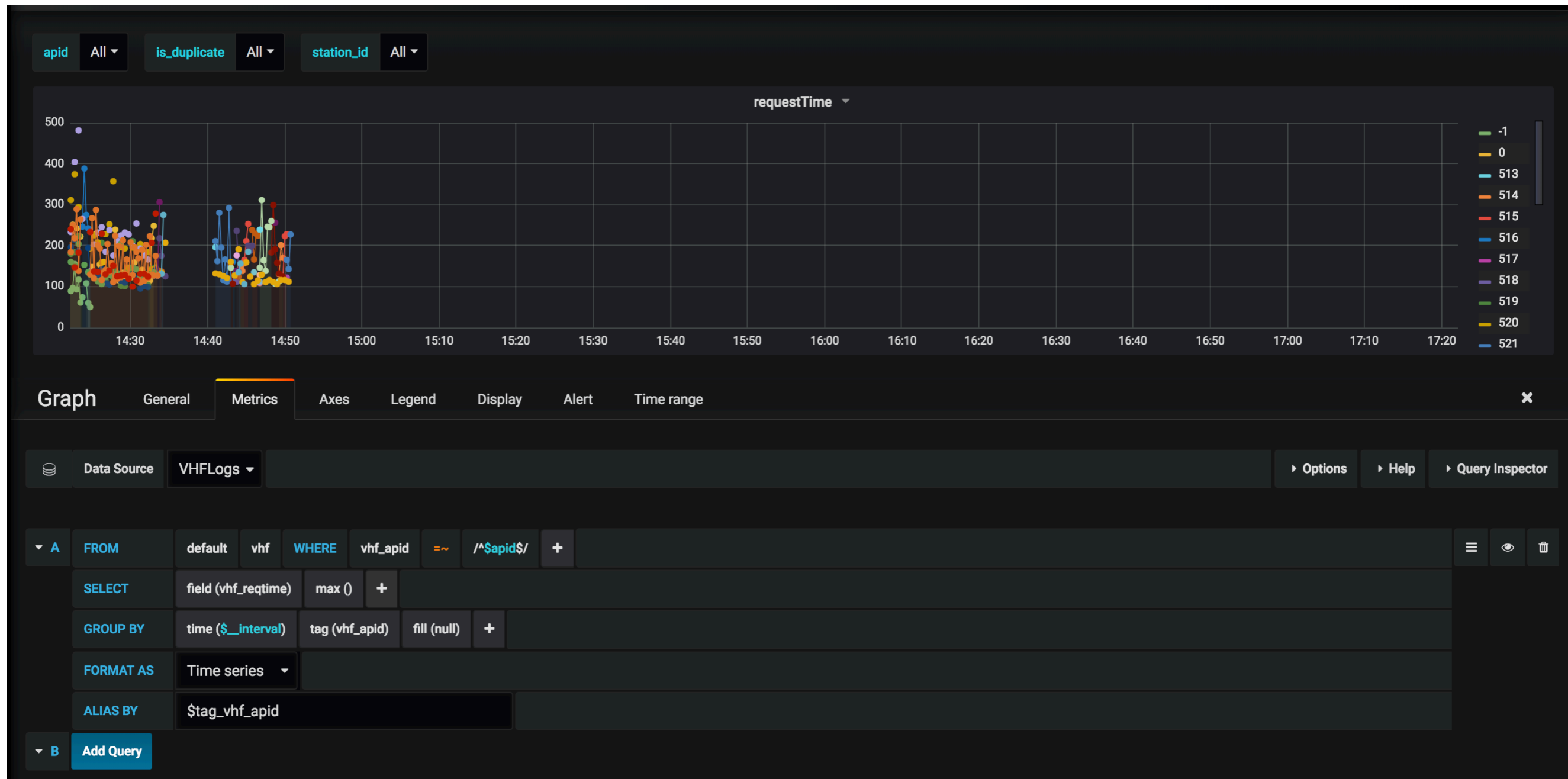


# Examples: create a datasource

The screenshot shows the Grafana Configuration interface for an organization named 'Main Org.'. The 'Data Sources' tab is selected, displaying a search bar with the text 'Filter by name or type', a view toggle (grid/list), and a green '+ Add data source' button. A single data source is listed: 'INFLUXDB' with the name 'VHFLogs' and a 'default' status tag. The URL for this data source is 'http://influxdb:8086'.



# Examples: create a panel





# Examples: VHF dashboard

