Monitoring services for DC0

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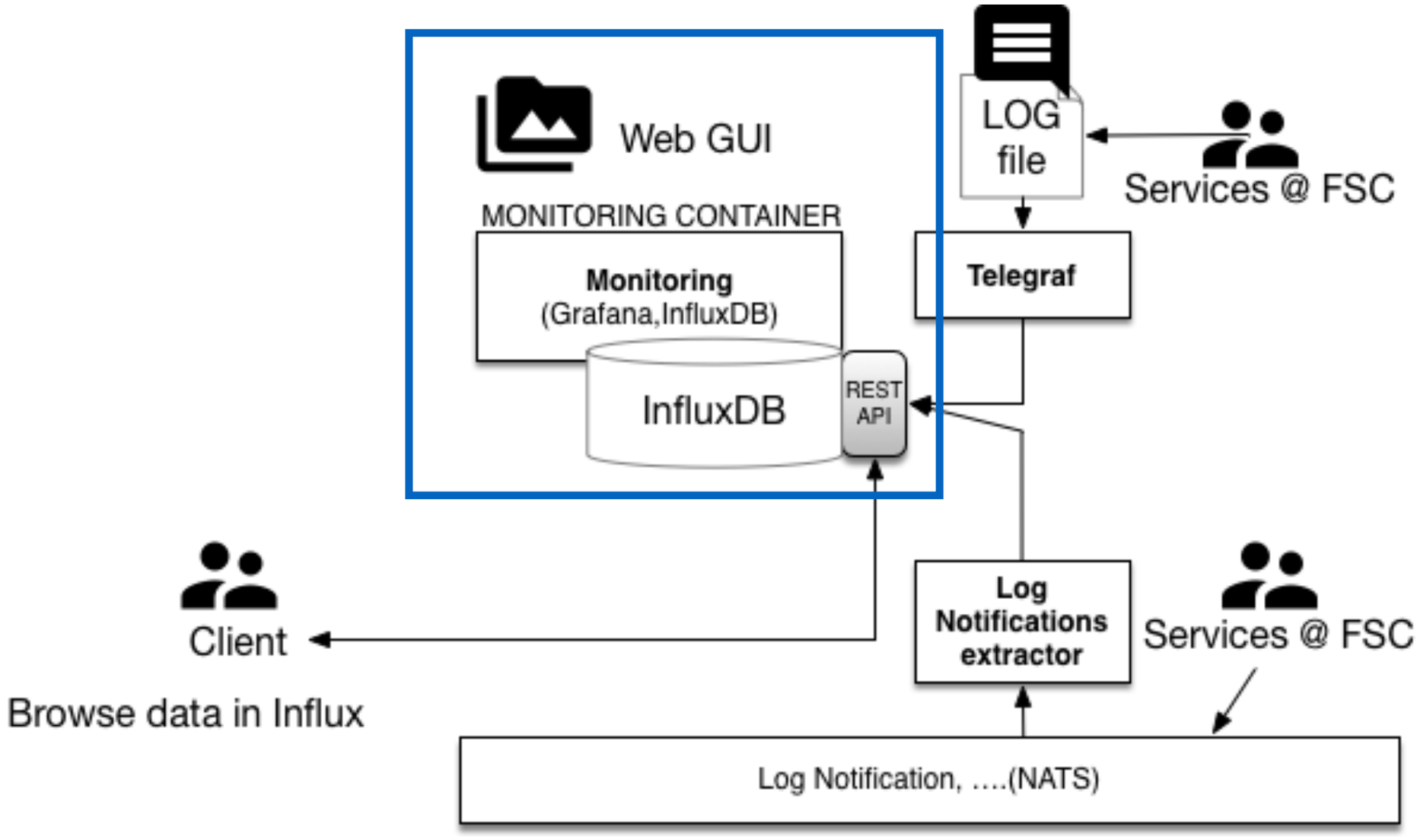
Monitoring services

- 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



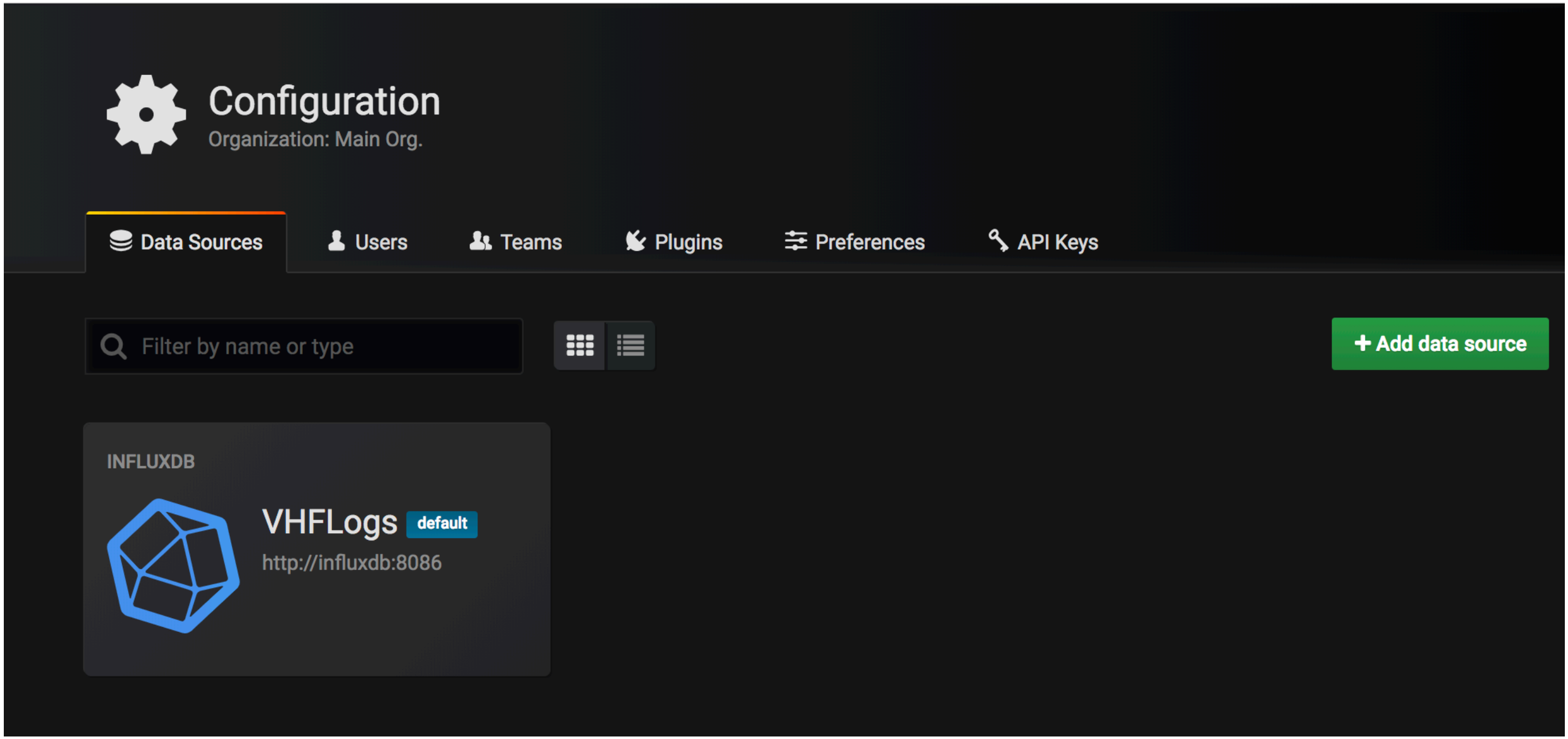
DC0 status

- 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)

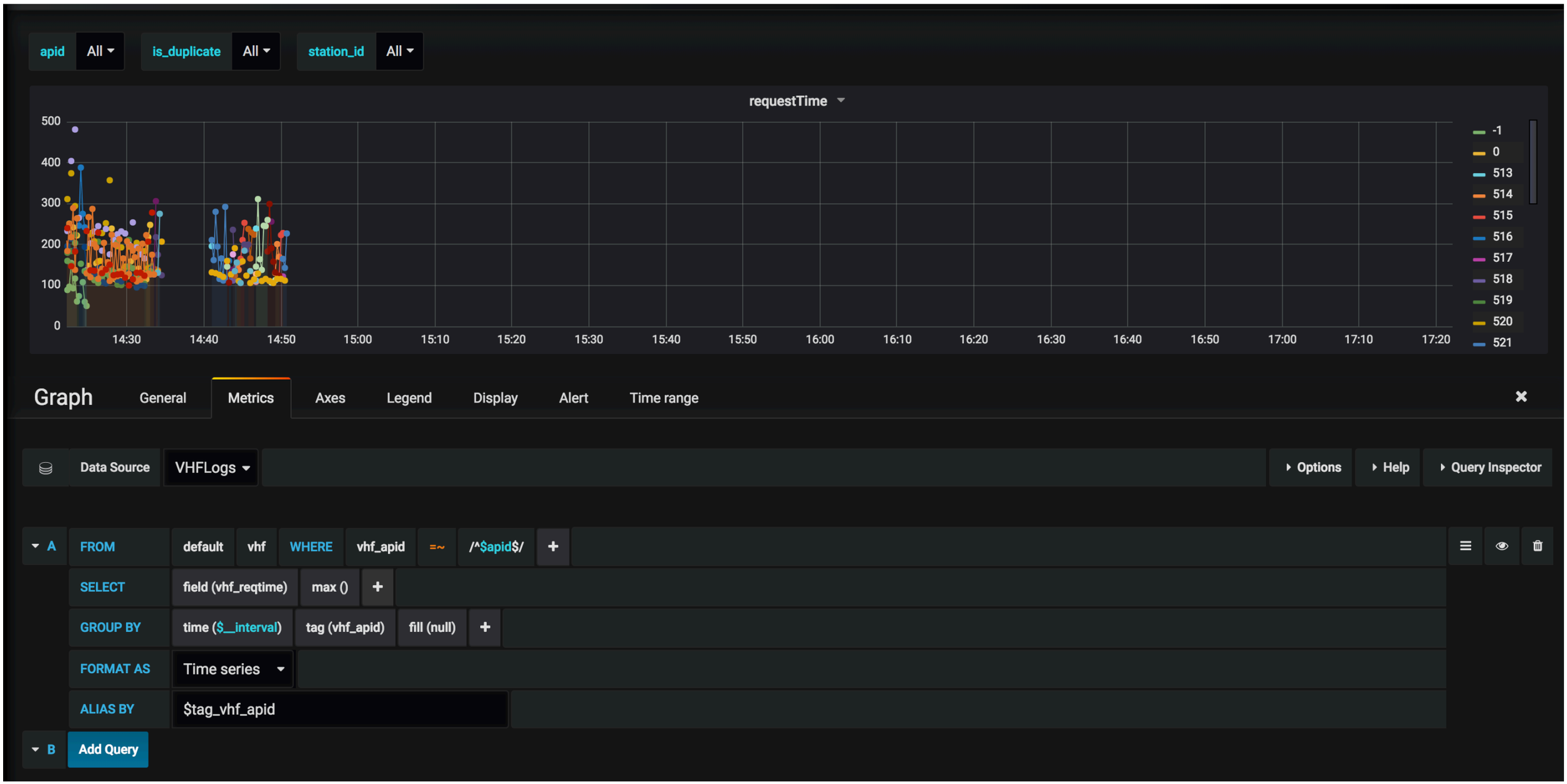
DC0 monitoring status

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

Examples: create a datasource



Examples: create a panel



Examples: VHF dashboard