

Monitoring services for DCO

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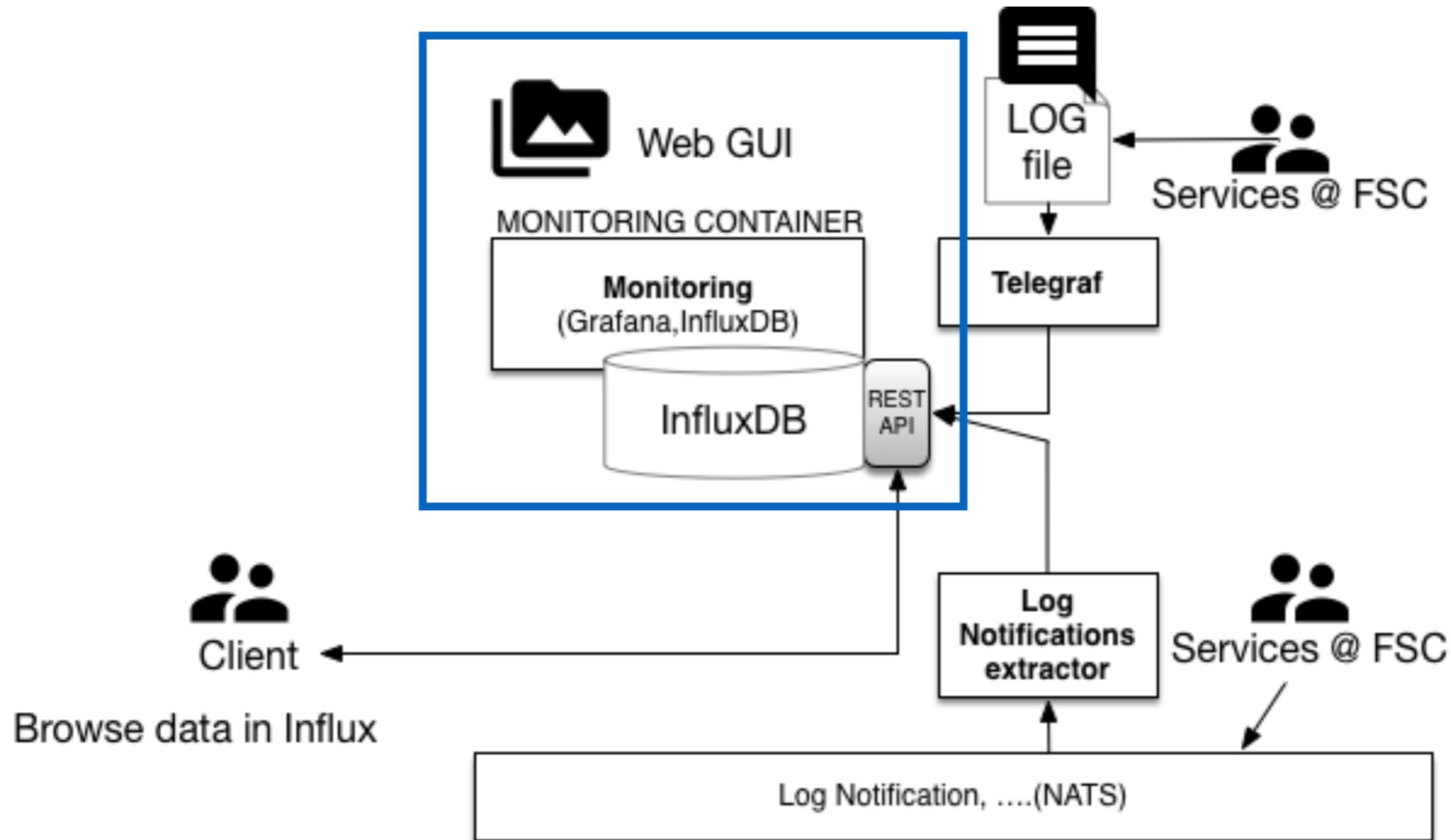


Monitoring services

- 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
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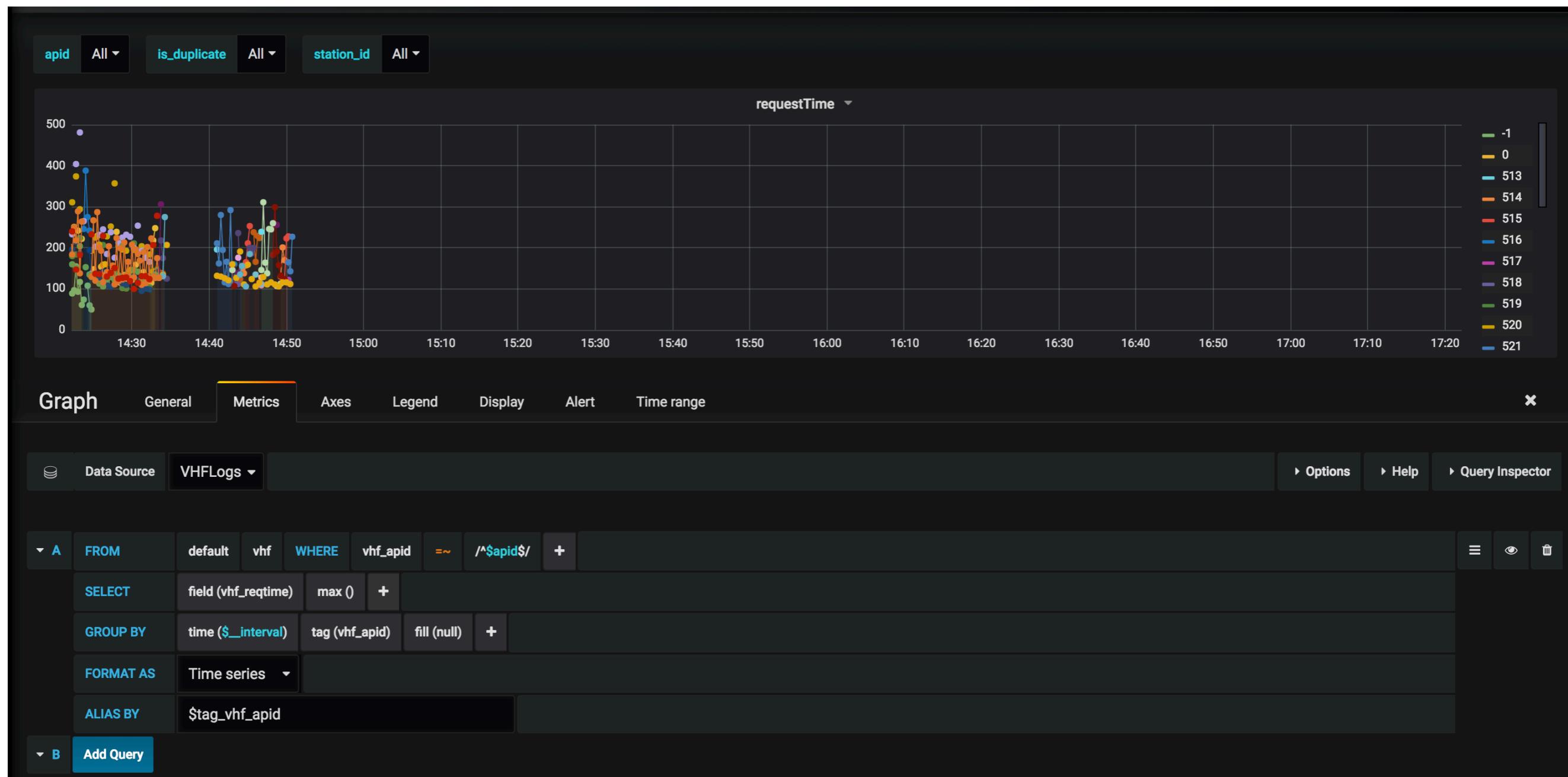


Examples: create a datasource

The screenshot shows the InfluxDB Configuration interface. At the top left is the InfluxDB logo. To its right, the title "Configuration" is displayed above the subtitle "Organization: Main Org.". Below the title is a navigation bar with five items: "Data Sources" (highlighted with an orange border), "Users", "Teams", "Plugins", and "Preferences". To the right of the navigation bar are "API Keys" and a search bar with the placeholder "Filter by name or type". On the far right is a green button labeled "+ Add data source". The main content area displays a single data source card for "INFLUXDB". The card features a blue icon of a dodecahedron, the name "VHFLogs", a "default" status indicator, and the URL "http://influxdb:8086". There are also two small grid icons at the bottom of the card.



Examples: create a panel





Examples: VHF dashboard

