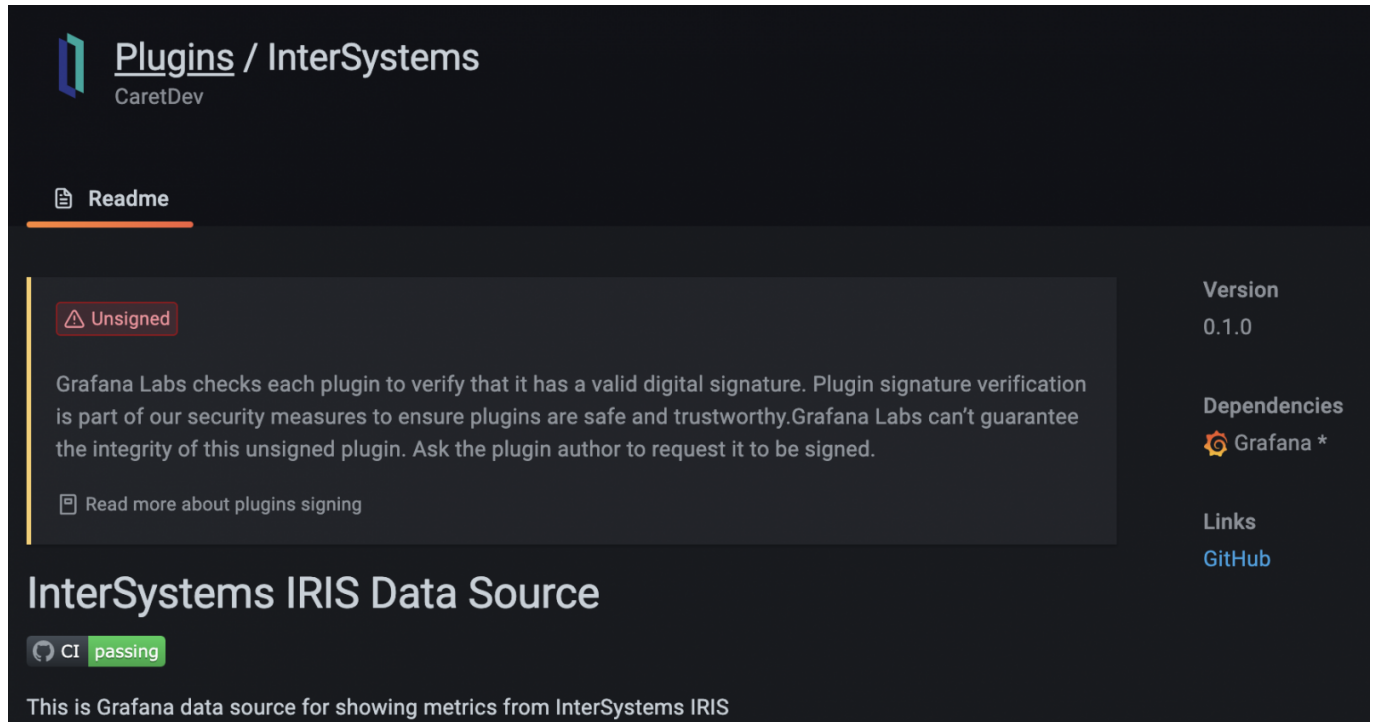

Article

[Dmitry Maslennikov](#) · Apr 19, 2021 2m read

[Open Exchange](#)

Grafana support for InterSystems IRIS

Hello everyone, let me introduce, one of my latest projects. It is a [DataSource plugin for Grafana](#), which can connect directly to InterSystems IRIS and gather any data (in the future).



The screenshot shows the Grafana Plugins page for the 'InterSystems IRIS Data Source' plugin. The page has a dark theme. At the top left, there's a logo for 'Plugins / InterSystems' by 'CaretDev'. Below it, a 'Readme' tab is selected. A warning box labeled 'Unsigned' states: 'Grafana Labs checks each plugin to verify that it has a valid digital signature. Plugin signature verification is part of our security measures to ensure plugins are safe and trustworthy. Grafana Labs can't guarantee the integrity of this unsigned plugin. Ask the plugin author to request it to be signed.' Below the warning is a link to 'Read more about plugins signing'. On the right side, there's a sidebar with 'Version 0.1.0', 'Dependencies' (Grafana *), and 'Links' (GitHub). At the bottom, the title 'InterSystems IRIS Data Source' is followed by a 'CI passing' badge and the description 'This is Grafana data source for showing metrics from InterSystems IRIS'.

Features

- Can show SAM metrics with periodic update, with a history, the metrics gathered by Grafana directly and only when requested while displayed
- Display messages.log and alerts.log
- Application errors from ^ERRORS global

Features that can be added later

- Any SQL SELECT query for tables with or without DateTime fields
- View some data directly from any Global
- Call for any custom SQL Query on the IRIS side
- Even probably MDX Queries

So, if you have some custom logic for logging within your application, it would be possible to connect Grafana to these logs and display it there.

Testing

To test it by yourself, you can clone the repo, and start the environment with docker-compose. The docker-compose environment is configured on using ports 3000, 3081, 3082; if those ports already in use in your system,

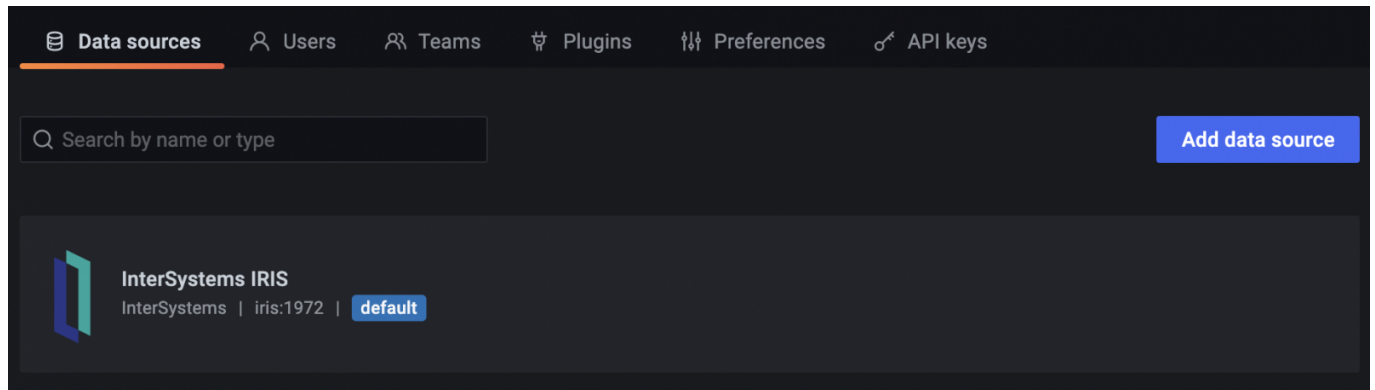
just change them in the docker-compose.yml file.

```
git clone https://github.com/caretdev/grafana-intersystems-datasource.git
cd grafana-intersystems-datasource
docker-compose up -d
```

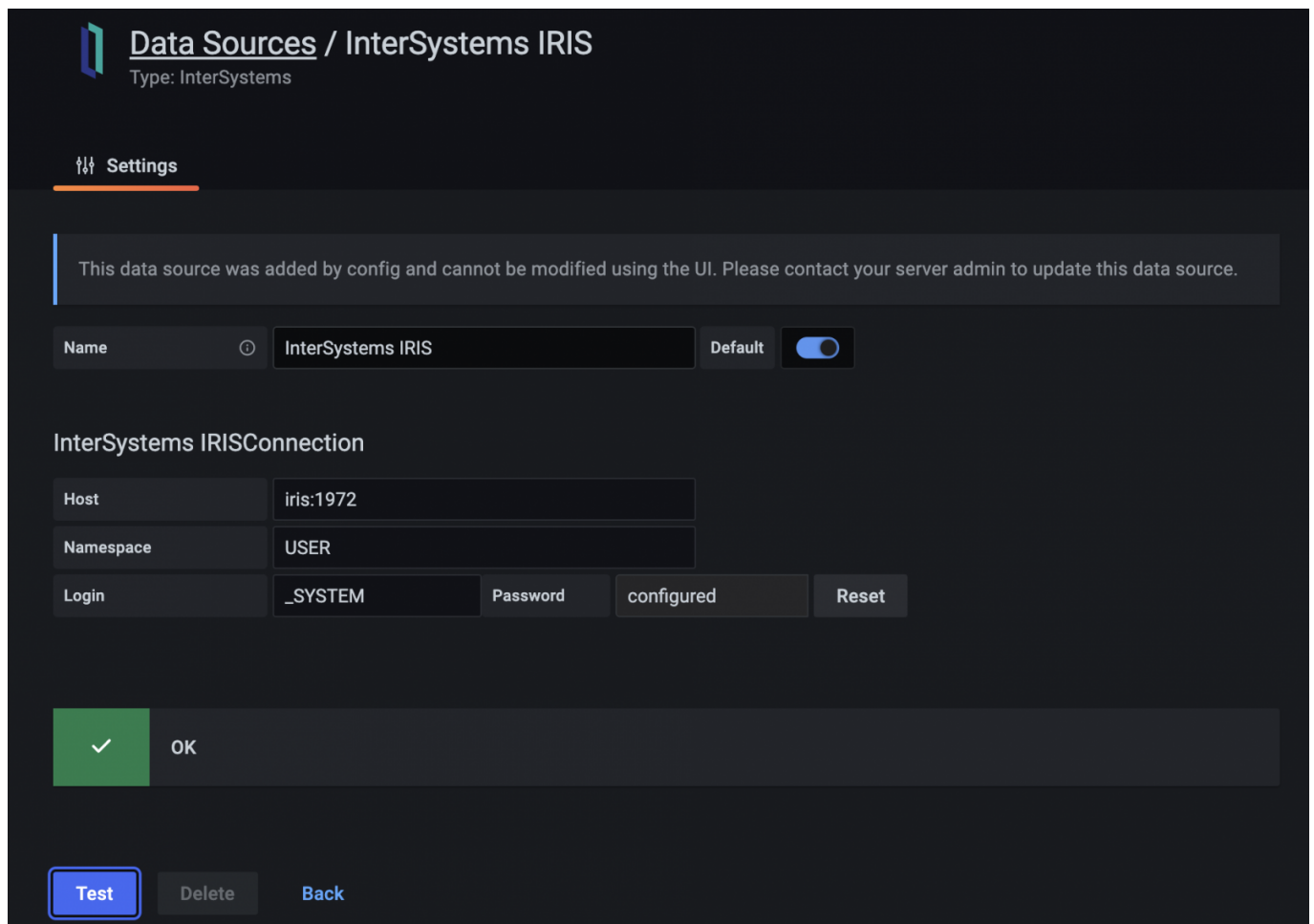
After pulling images, it will start Grafana and IRIS in two containers.

Open Grafana by link <http://localhost:3000/>

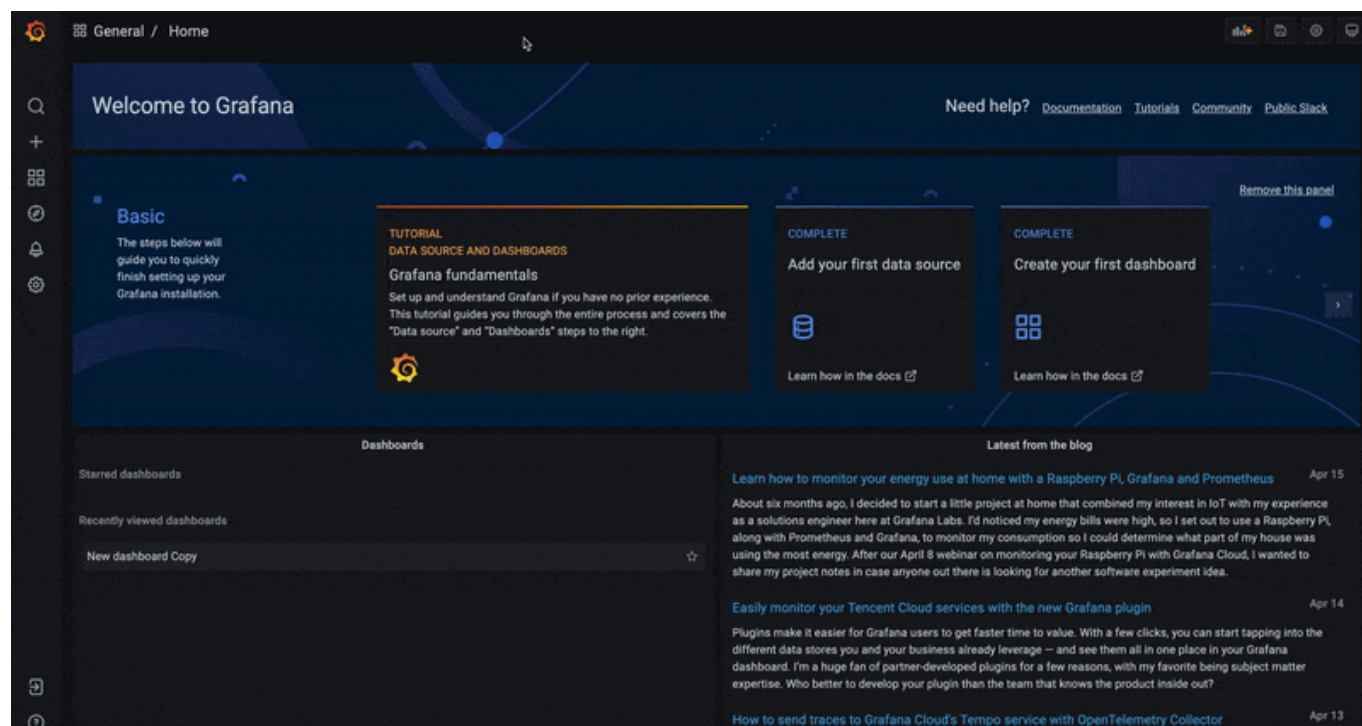
Go to DataSources, it will have InterSystems IRIS connection, added by autoprovision.



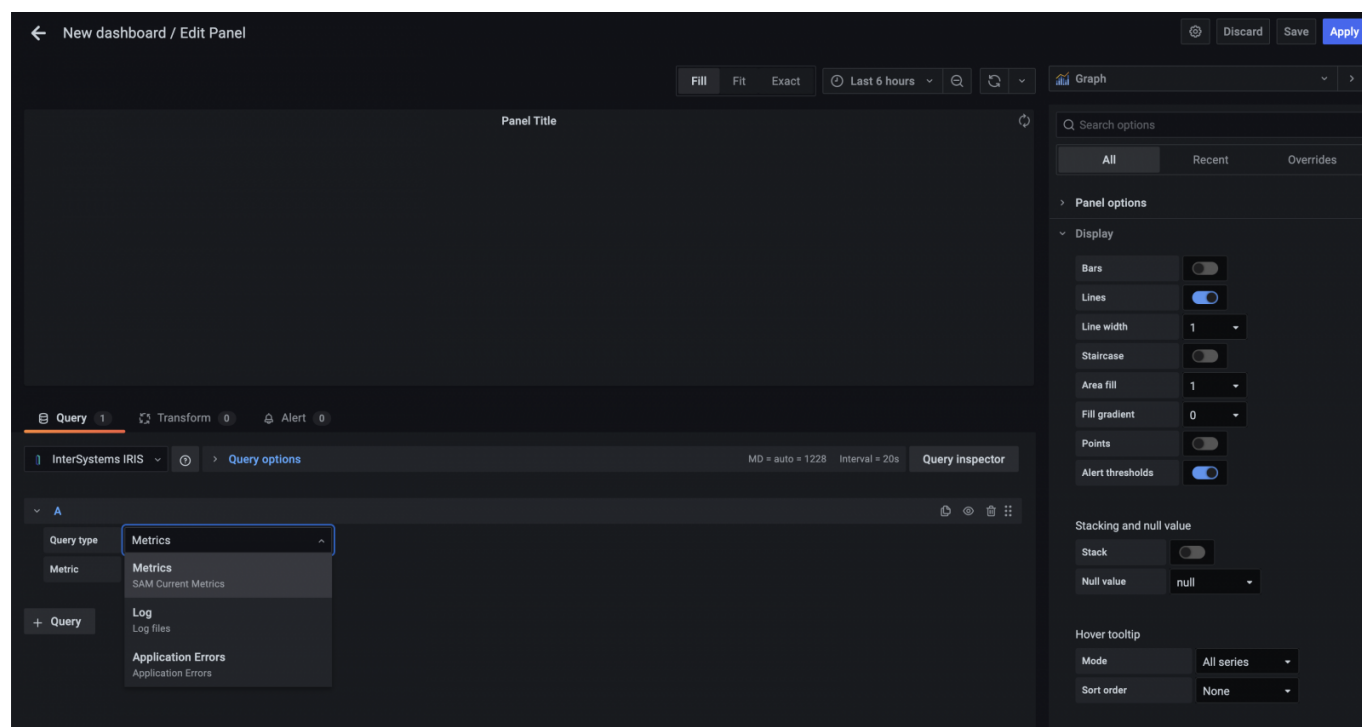
Diving inside will give a simple form with basic settings, and the Test button, to check the connection. When IRIS will start it should show green OK.



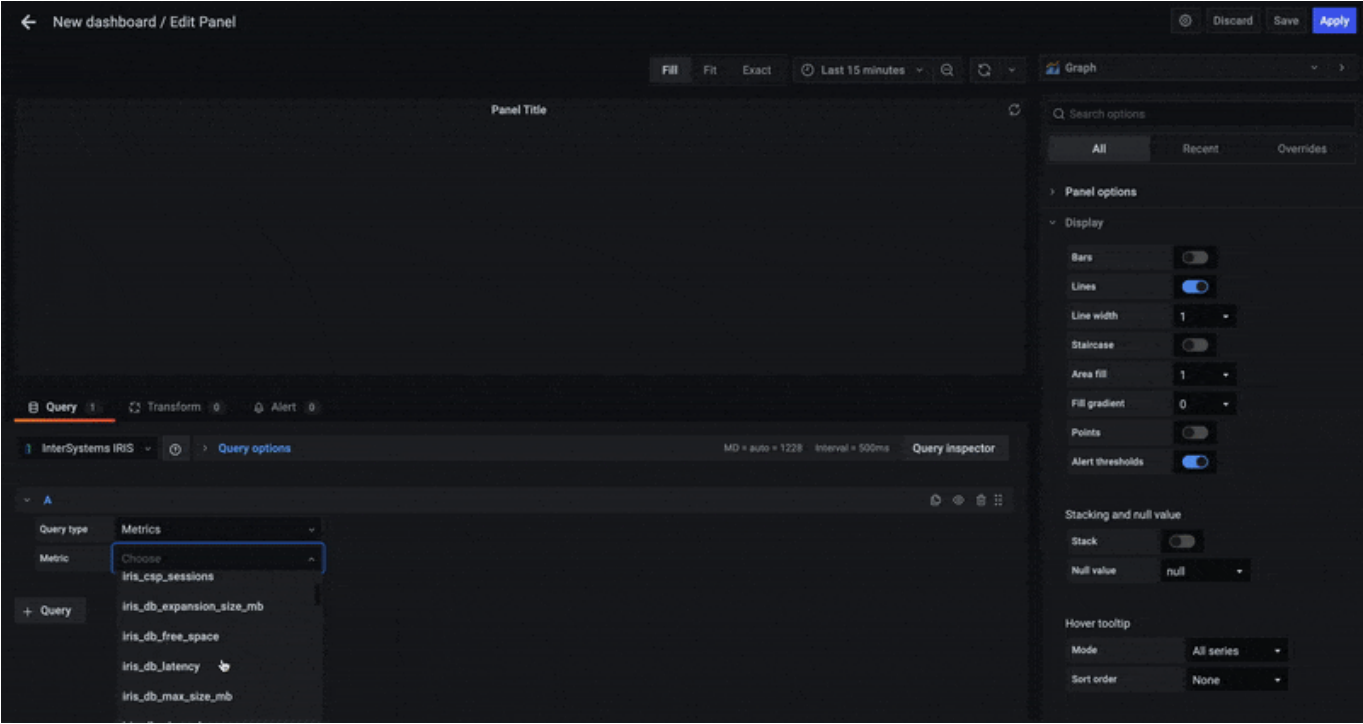
Let's create some Dashboard and Panel



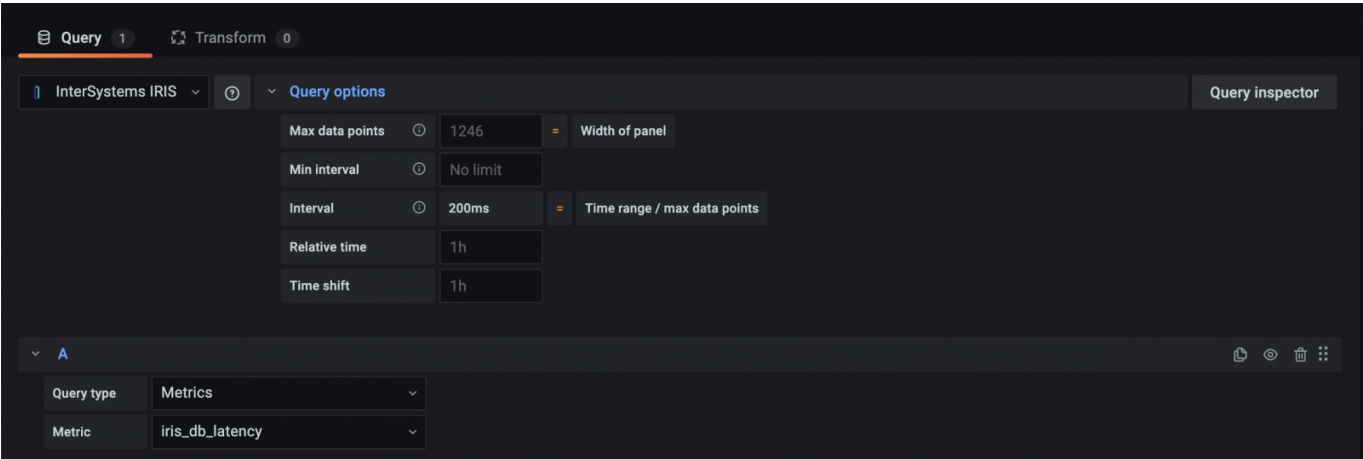
Select Query Type: Metrics



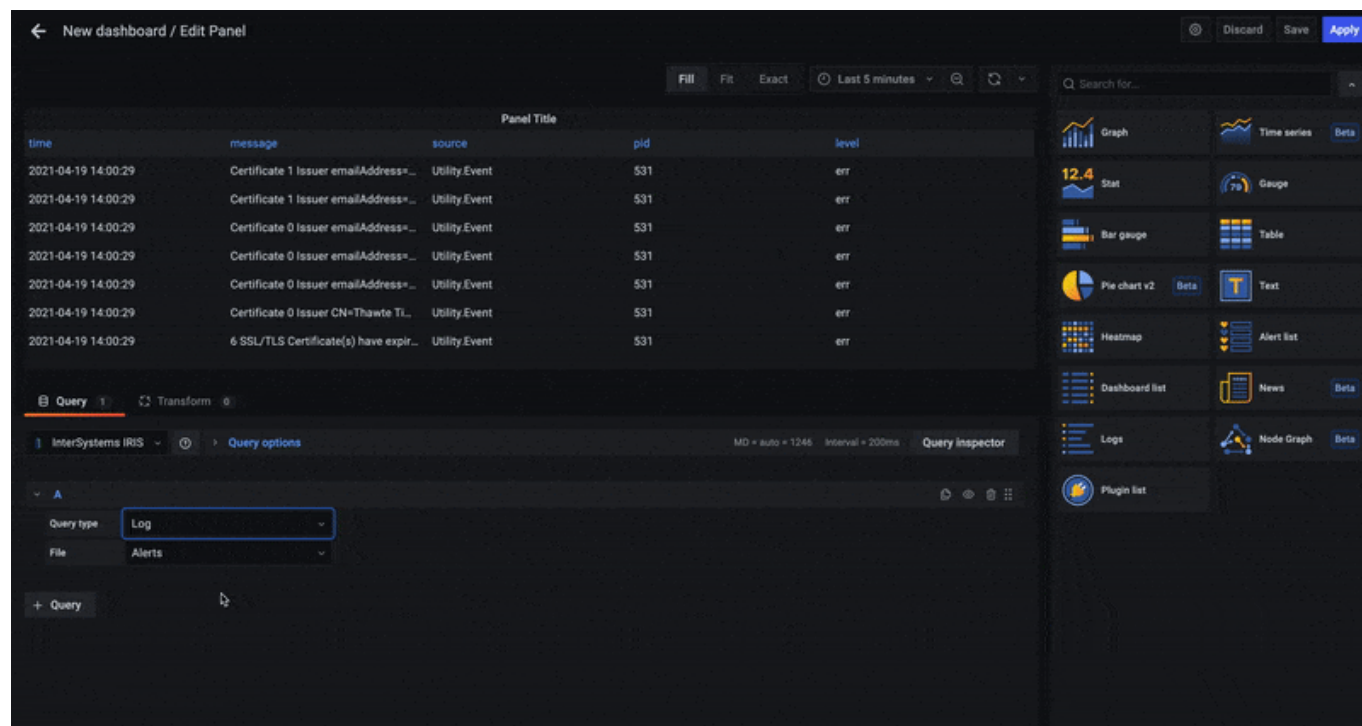
Let's select irisdblatency for instance



By default update interval is depends on a selected time interval, but can be changed in Query options, field Min Interval



Log Files and Application Errors can be shown with Logs Vizualization and as a Table



Please [vote for the project](#)

You can contact me if you would like to get more functionality in the plugin.

[#Monitoring #SAM - System Alerting and Monitoring #InterSystems IRIS](#)
[Check the related application on InterSystems Open Exchange](#)

Source URL: <https://community.intersystems.com/post/grafana-support-intersystems-iris>