
Article

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[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 '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, there's a green badge 'CI passing' and a 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,

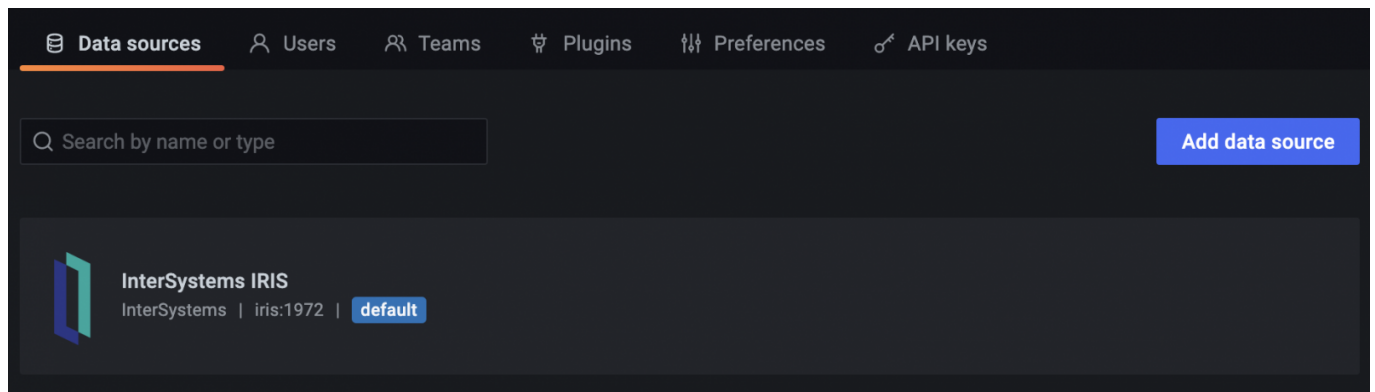
just change them in the docker-compose.yml file.

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

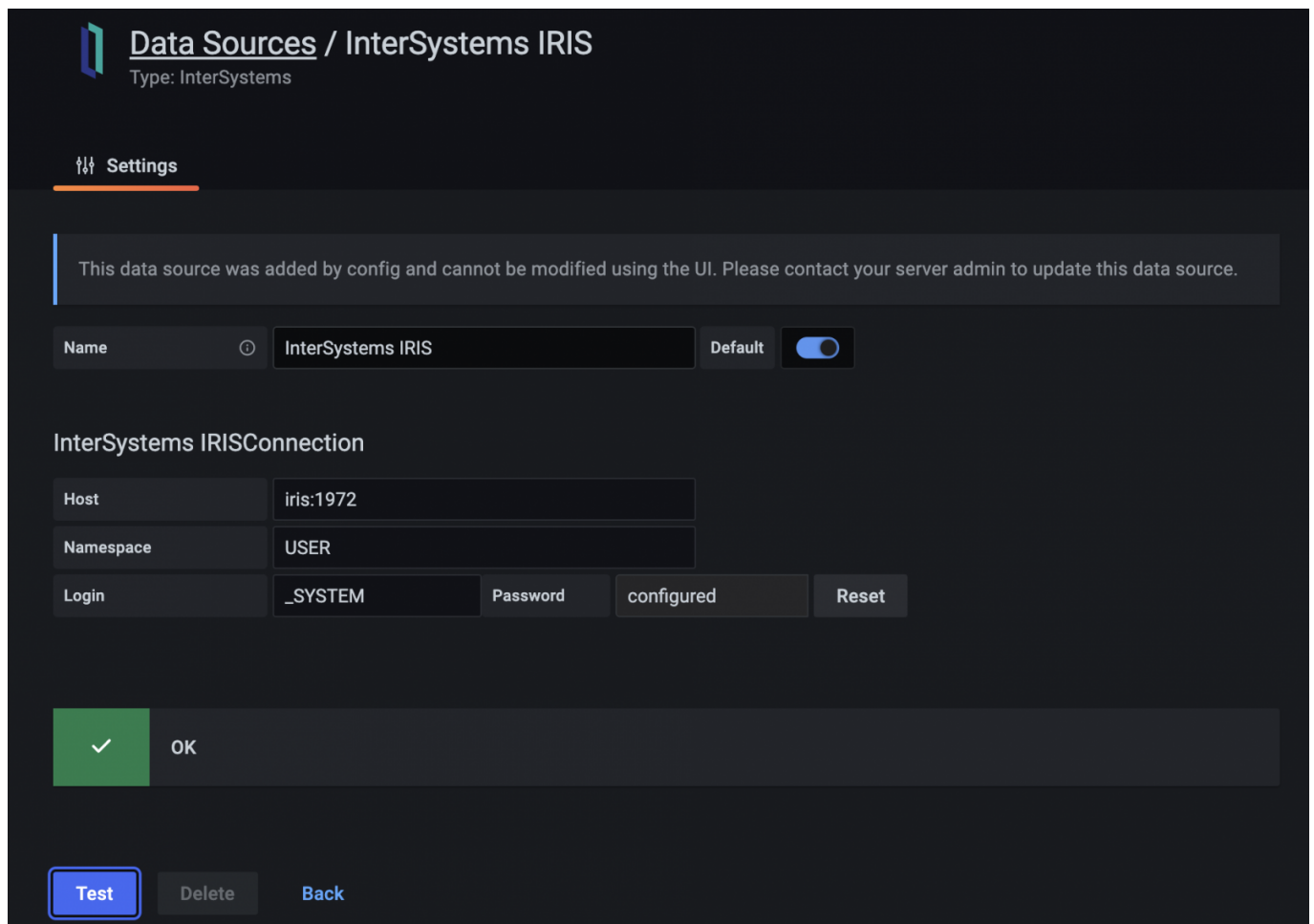
After pulling images, it will start Grafana and IRIS in two containers.

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.



General / Home

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Welcome to Grafana

Basic

The steps below will guide you to quickly finish setting up your Grafana installation.

TUTORIAL

DATA SOURCE AND DASHBOARDS

Grafana fundamentals

Set up and understand Grafana if you have no prior experience. This tutorial guides you through the entire process and covers the "Data source" and "Dashboards" steps to the right.

COMPLETE

Add your first data source

Learn how in the docs

COMPLETE

Create your first dashboard

Learn how in the docs

Dashboards

Starred dashboards

Recently viewed dashboards

New dashboard Copy

Latest from the blog

Learn how to monitor your energy use at home with a Raspberry Pi, Grafana and Prometheus

Apr 15

About six months ago, I decided to start a little project at home that combined my interest in IoT with my experience as a solutions engineer here at Grafana Labs. I'd noticed my energy bills were high, so I set out to use a Raspberry Pi, along with Prometheus and Grafana, to monitor my consumption so I could determine what part of my house was using the most energy. After our April 8 webinar on monitoring your Raspberry Pi with Grafana Cloud, I wanted to share my project notes in case anyone out there is looking for another software experiment idea.

Easily monitor your Tencent Cloud services with the new Grafana plugin

Apr 14

Plugins make it easier for Grafana users to get faster time to value. With a few clicks, you can start tapping into the different data stores you and your business already leverage – and see them all in one place in your Grafana dashboard. I'm a huge fan of partner-developed plugins for a few reasons, with my favorite being subject matter expertise. Who better to develop your plugin than the team that knows the product inside out?

How to send traces to Grafana Cloud's Tempo service with OpenTelemetry Collector

Apr 13

←

New dashboard / Edit Panel

Discard

Save

Apply

Fill

Fit

Exact

🕒 Last 6 hours

🔍

🔄

📊 Graph

▼

➤

Panel Title

🔄

📄 Query 1

🔗 Transform 0

🔔 Alert 0

📄 InterSystems IRIS

🕒

> Query options

MD = auto = 1228 Interval = 20s

🔍 Query inspector

▼ A

🔗

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🗑️

⋮

Query type

Metrics

⌵

Metric

SAM Current Metrics

Log

Log files

Application Errors

Application Errors

+ Query

Search options

All

Recent

Overrides

> Panel options

▼ Display

Bars

🔘

Lines

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Line width

1

▼

Staircase

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Area fill

1

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Fill gradient

0

▼

Points

🔘

Alert thresholds

🔘

Stacking and null value

Stack

🔘

Null value

null

▼

Hover tooltip

Mode

All series

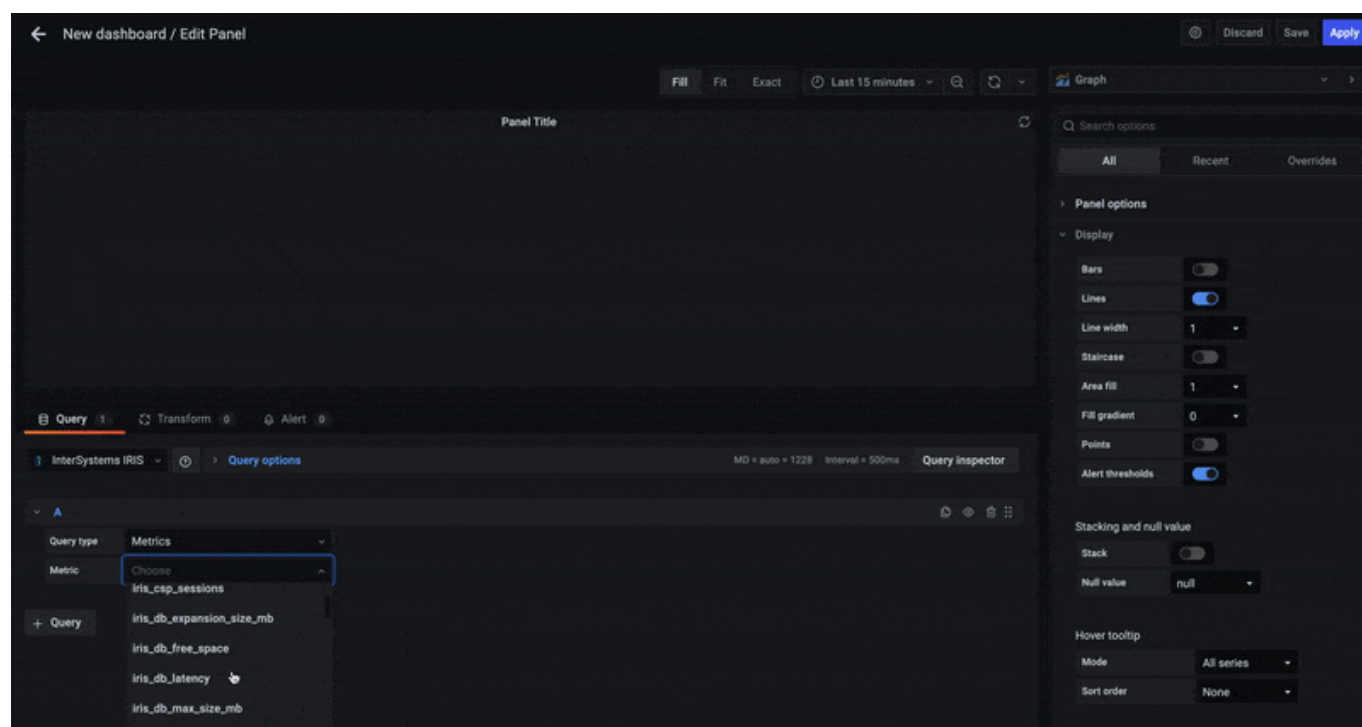
▼

Sort order

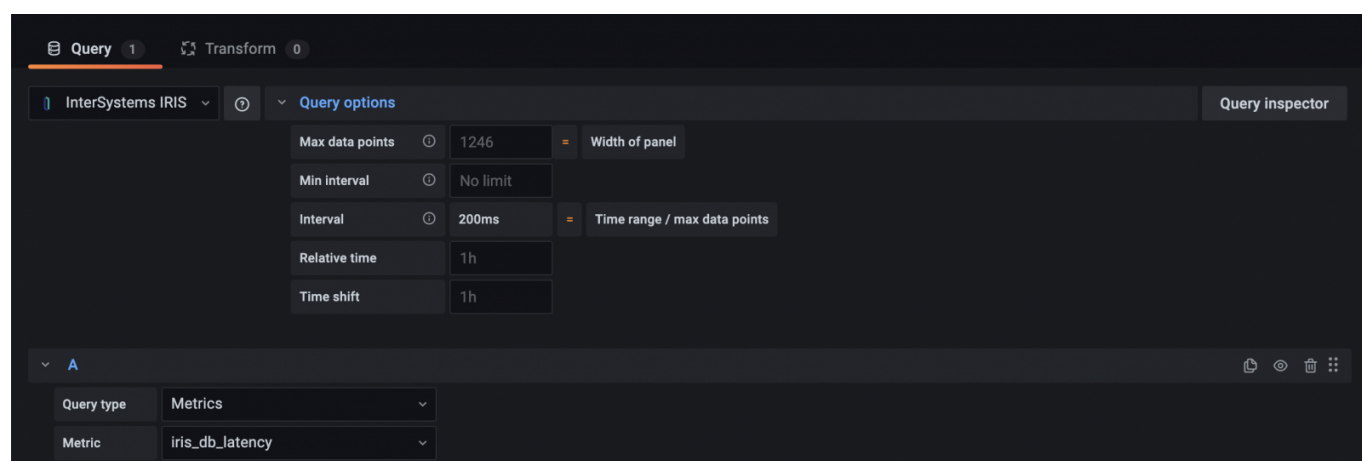
None

▼

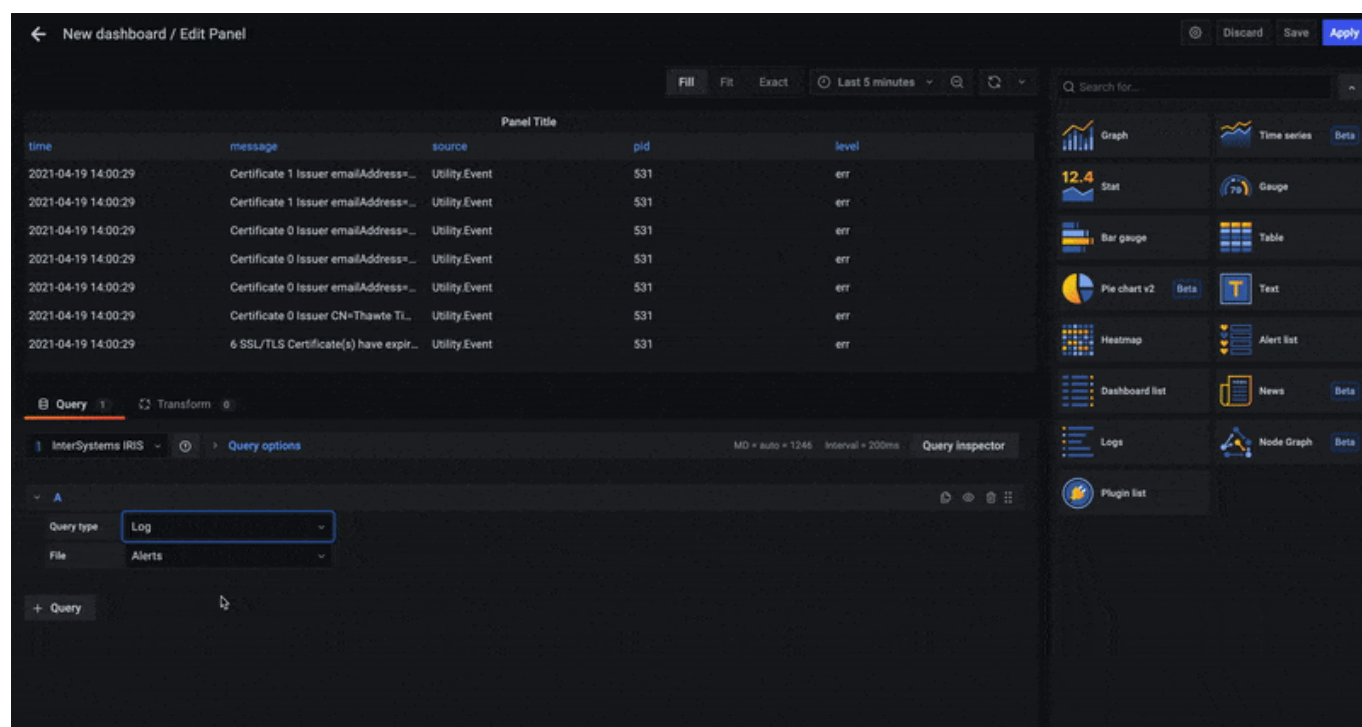
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By default update interval is depends on a selected time interval, but can be changed in Query options, field Min Interval



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

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