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Using Grafana directly from IRIS

There have been some very helpful articles in the community that show how to use Grafana with IRIS (or Cache/Ensemble) by using an intermediate database.

But I wanted to get at IRIS structures directly. In particular, i wanted to access the Cache History monitor data that is accessible by SQL as described here

<https://community.intersystems.com/post/apm-using-cach%C3%A9-history-mon...>

and didn't want anything between me and the data.

I already had class queries that returned the data i wanted, so i just needed to embed them in a REST class that returned JSON. I haven't included my class Grafana.MonitorData because it could be anything but i can if people want it.

There were only two difficult points. One was making sure i had local time and utc time worked out at each point. The other was that Grafana doesn't like values like .25 without the leading zero and gives javascript errors - " `t.dataList.map` is not a function " . which is why i have the line with `$FN(tValue,,4)`.

I have simplified my production code to make the principals clear. I could put it on github but it is so simple, it doesn't really warrant that.

Spoiler

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