

Informix Time Series Plug-in 0.3 for Grafana 5.x - README

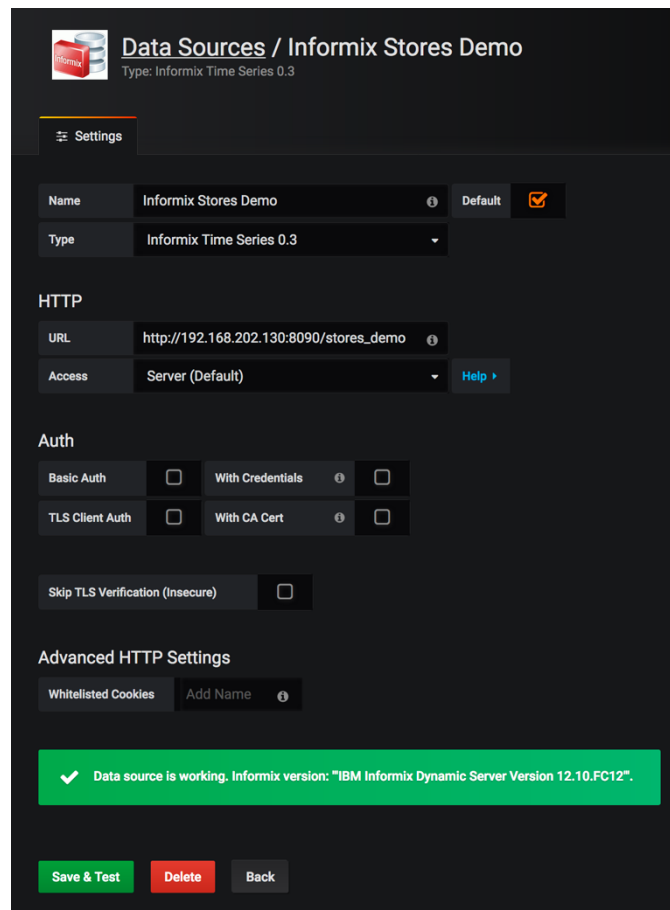
IMPORTANT: This plug-in is an early access version provided as as-is. It might has some issues and might be lacking some Grafana functionality. Please feel free to fix, enhance and to add to the code. Use at your own risk.

Just extract the Informix_0.3.tar file into '<Grafana install dir>/data/plugins/' and then re-start the Grafana server.

To use the Informix plugin, first create a new 'Informix Time Serie 0.3' data source as the Grafana admin user.

Please make sure to increase the property `response.documents.count.default` in the REST API listener properties file to make sure that you'll get the desired data elements back. You could e.g. set that property to:

```
response.documents.count.default=10000
```



The screenshot shows the Grafana 'Data Sources / Informix Stores Demo' configuration page. The page has a dark theme. At the top, there's a header with the Informix logo and the title 'Data Sources / Informix Stores Demo' with a subtitle 'Type: Informix Time Series 0.3'. Below the header is a 'Settings' tab. The main configuration area includes: 'Name' set to 'Informix Stores Demo' with a 'Default' checkbox checked; 'Type' set to 'Informix Time Series 0.3'; 'HTTP' section with 'URL' set to 'http://192.168.202.130:8090/stores_demo' and 'Access' set to 'Server (Default)'; 'Auth' section with 'Basic Auth' and 'TLS Client Auth' options, each with 'With Credentials' and 'With CA Cert' checkboxes; 'Skip TLS Verification (Insecure)' checkbox; 'Advanced HTTP Settings' with a 'Whitelisted Cookies' field; a green success message at the bottom stating 'Data source is working. Informix version: "IBM Informix Dynamic Server Version 12.10.FC12".'; and three buttons at the bottom: 'Save & Test' (green), 'Delete' (red), and 'Back' (grey).

The URL parameter should point to your Informix database REST API entry point like e.g. (see screenshot #1):

http://localhost:8090/stores_demo

Note: I haven't tested the Authentication features yet.

If you would like to define new Informix TS based metrics (like shown in screenshot #2), please use the following JSON format:

```
{"table": "ts_data_v", "key": {"name": "loc_esi_id", "value": 4727354321000111}, "col_ts": "tstamp", "col_value": "value"}
```

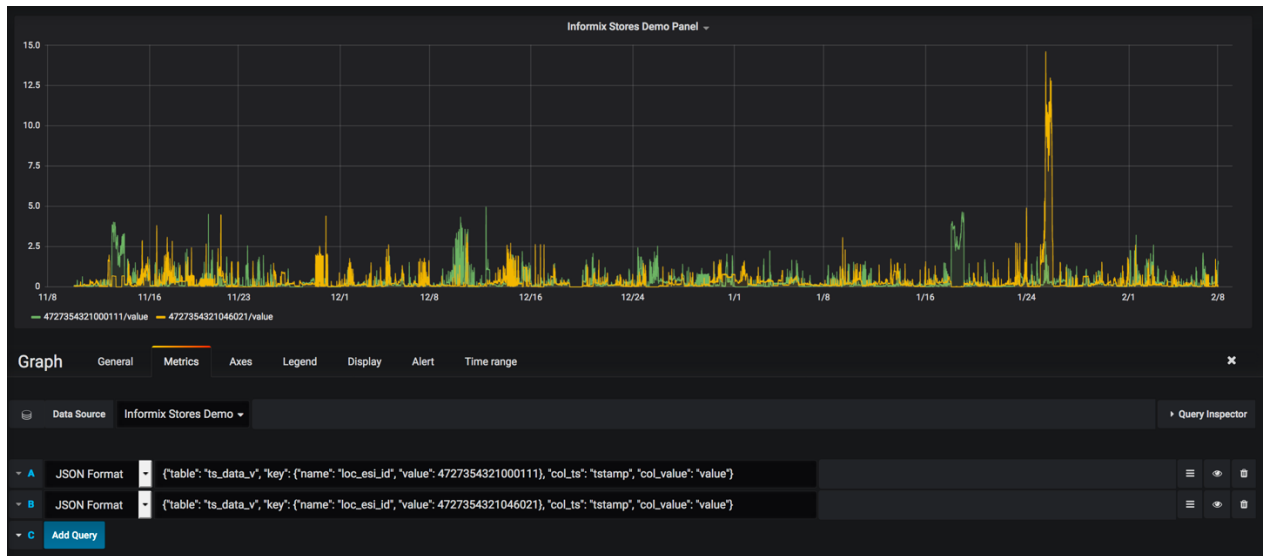


table: Name of the VTI table to read from
key.name: Name of the primary key column (at the moment the plugin only supports single column primary keys, but I will try to remove that limit soon)
key.value: That is the search value for the primary key.
col_ts: Name of the timestamp column
col_value: Name of the measurement column

If you would like to access values of a JSON based time series, then you need to add the JSON key-value pair "json_elem": "<json_element_name>" in the metrics definition. Here is an example:

```
{"table": "sensor_json_data", "key": {"name": "sensor_id", "value": "ELV_Weathersensors"}, "col_ts": "timestamp", "col_value": "values", "json_elem": "t9"}
```

The timestamp ranges for the queries are dynamically provided by Grafana and hence dynamically added to my REST API queries.

That Informix Grafana plug-in has been developed and tested with Grafana 5.2.2 on MacOS.

Have fun using that plug-in!

Please send any feedback to Alexander.Koerner@de.ibm.com.