••• verifone

https://verifone.cloud/docs/oakos/writing-application/machine-telemetry/grafana Updated: 30-Nov-2020

Grafana

Tutorial requirements

- 1. Complete the <u>Telegraf</u> tutorial so your data is sent to your organization <u>InfluxDB</u> server.
- 2. Set up an account with Grafana to continue.

Set up Grafana

After you register with Grafana, go to the **Configuration** Menu (Figure 1.1) and select **Data Sources**.

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\$ +	Das Mana	shboards ge dashboards & folders					
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Ð	Q Find Dashbo	oard by name		New Dashboard	Ne	w Folder	Impo
*	Configuration			Filter by Starred	·	Filter By Ta	g
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	APIKeys						

Figure 1.1 - Configure a data source for your organization at Grafana."

Figure 1.2 shows your organization Grafana Data Sources available for charting.

NOTE

This is the InfluxDB server that was set, as an environment variable, when installing <u>Telegraf</u>: "INFLUXDB_HOST": "{{influxdbHost}}"



Figure 1.2 - You will need to add an InfluxDB data source pointing to your server.

Once you clicked **Add data source** (Figure 1.2), you will need to configure the <u>InfluxDB</u> your organization has already set up, see Figure 1.3.

←

R	Data Sources	influxdb.exam	ple.com
7	Type: InfluxDB		

	•			
Name 🛛	influxdb.example.com		Default	
нттр				
URL	http://influxdb.example.com	0		
Access	Server (Default)	•	Help 🕨	
Whitelisted Cookies	Add Name	0		

Auth

Basic Auth		With Credentials	0	
TLS Client Auth		With CA Cert	0	
Skip TLS Verify				
Forward OAuth Identity	9			

InfluxDB Details

Database		telegraf			
User				Password	Password
HTTP Method	GET	-	0		

Database Access

Setting the database for this datasource does not deny access to other databases. The InfluxDB query syntax allows switching the database in the query. For example: SHOW MEASUREMENTS ON _internal or SELECT * FROM "_internal"..."database" LIMIT 10

To support data isolation and acquirity make auro appropriate permissions are configured in IsfluxDP



Now that your data source is set up, you can visualize Oak Device metrics, see Figure 1.4.

Figure 1.4 - Metrics for an Oak Device; visualized in Grafana.