



Critical
manufacturing
an ASM PT company

Data Manager (Grafana Plugin)

11.3

April 2026

DOCUMENT ACCESS

Public

DISCLAIMER

The contents of this document are under copyright of Critical Manufacturing S.A. it is released on condition that it shall not be copied in whole, in part or otherwise reproduced (whether by photographic, or any other method) and the contents therefore shall not be divulged to any person other than that of the addressee (save to other authorized offices of his organization having need to know such contents, for the purpose for which disclosure is made) without prior written consent of submitting company.

[Home](#) [Tutorials](#) [All Guides](#) [Modules](#) [IoT Data Platform](#) [Analytics Customization](#)

Data Manager (Grafana Plugin)

Estimated time to read: 4 minutes

This document will guide you through the required steps and configurations so you can use the Data Manager Plugin in Critical Manufacturing's **Grafana** instance.

Overview

Data Manager is a powerful Grafana plugin designed to simplify data access and visualization by enabling you to query Manufacturing Execution System (MES) **Data Sets** without requiring coding expertise. Its intuitive no-code interface, along with the Grafana transformation and visualization tools, allows you to build complex queries, extract meaningful insights, and present them visually in nice looking dashboards.

Whether you are monitoring production performance, tracking downtime, or analyzing process efficiency, **Data Manager empowers all stakeholders** — including non-technical users — to access the data they need with ease. By bridging the gap between MES systems and Grafana, this plugin facilitates real-time decision-making and fosters collaboration across teams.

Key Features:

- **No-Code Query Builder:** Create and execute queries on MES **Data Sets** without writing a single line of code.
- **Seamless Integration:** Access all your MES data and integrate it directly into Grafana.
- **Visualization Options:** Ability to present your data through Grafana's versatile panels, including charts, tables, and heatmaps.

Display Data from the Data Manager

Visualizing MES data through a Grafana dashboard is straightforward with the Data Manager plugin.

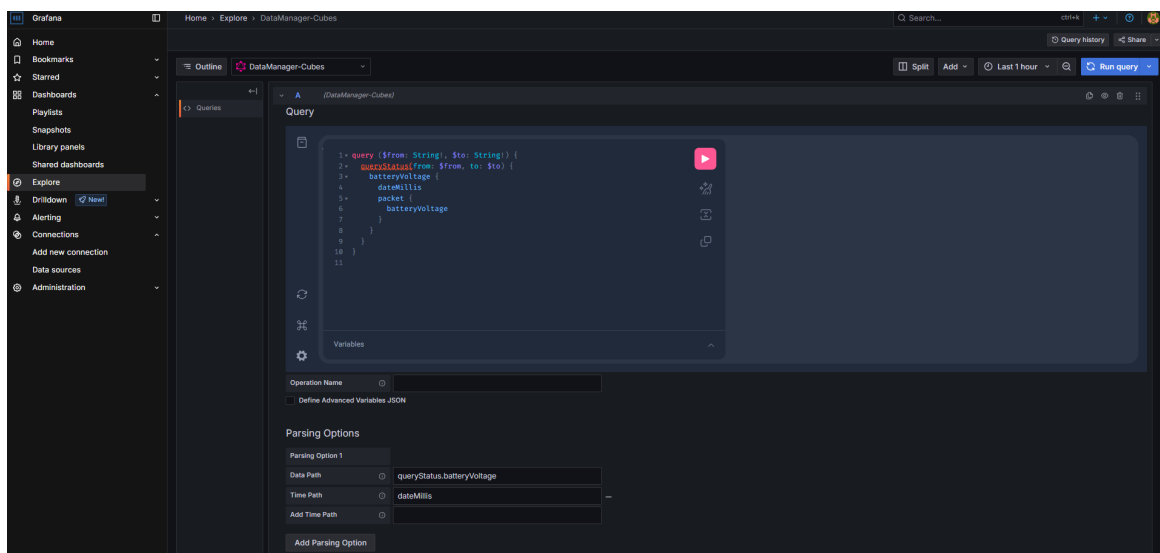
To get started, follow the steps below.

Configure the Data Manager Plugin

To access Data Manager, in MES, navigate to **Data Platform**, and select **Data Manager**.

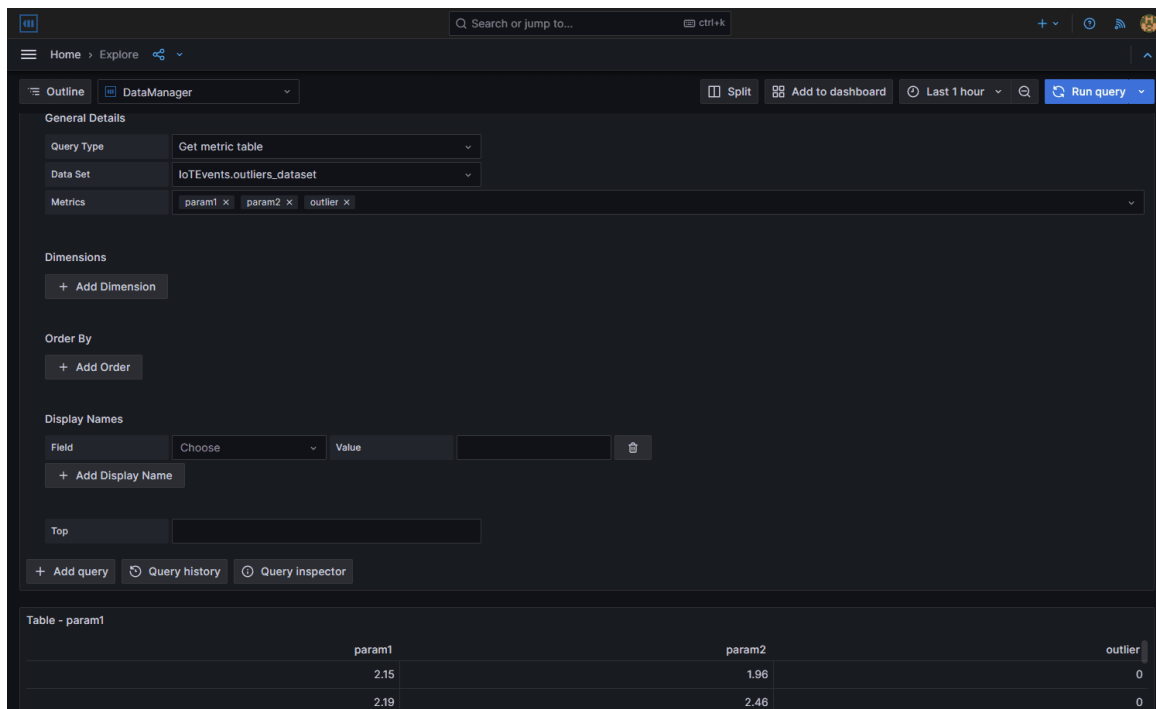


This will launch the Grafana Data Manager plugin, allowing you to visualize, analyze, and interact with MES data.



Build a Query

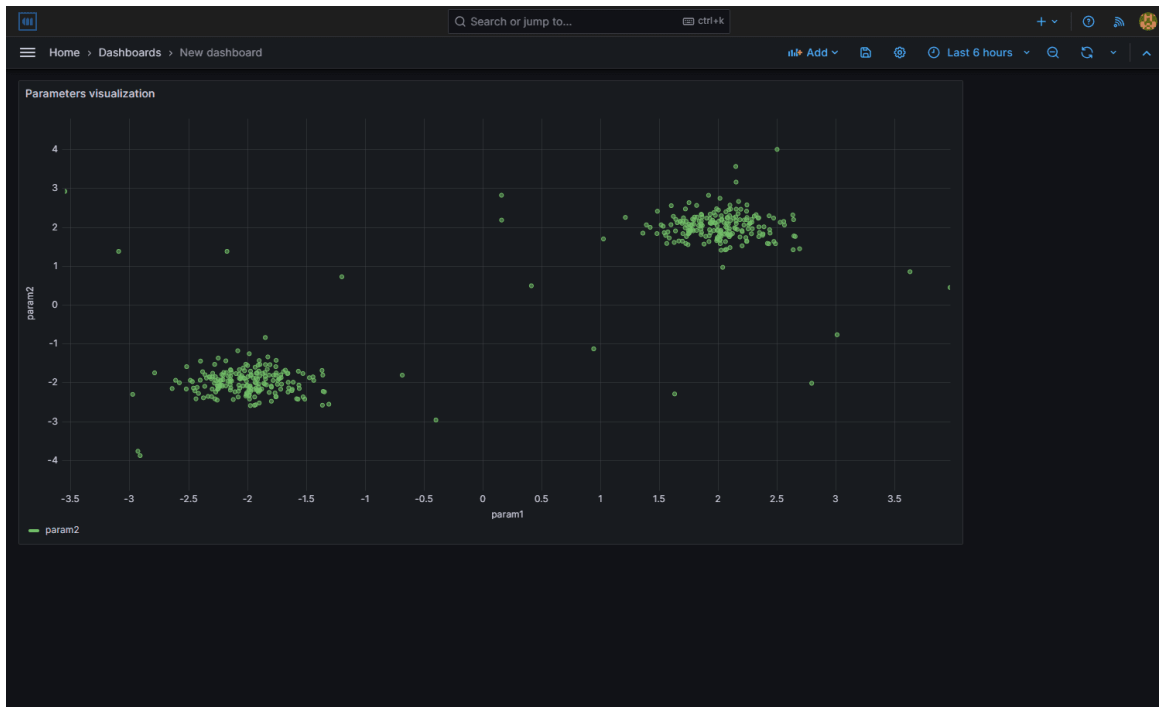
1. Navigate to the **Explore** section in Grafana and select the Data Manager as your data source.
2. Use the **No-Code features** to build your query:
 - Select the query type from the available list:
 - a. **Get Metric History** - this queries the selected metric history.
 - b. **Get Metric Value** - this gets the last metric value that was recorded.
 - c. **Get Metric Aggregate** - this performs and retrieves an aggregation on the selected metric.
 - d. **Get Metric Table** - this retrieves a tabular view of the queried data.
 - Select the desired data set or table from your MES system.
 - (Optional) You can apply filters, such as date ranges, production lines, or specific parameters.
 - (Optional) You can customize the query with grouping, sorting, or aggregation options — for that, use the get metric aggregate query type.
3. Preview the data output to ensure accuracy before proceeding:



Create the Dashboard

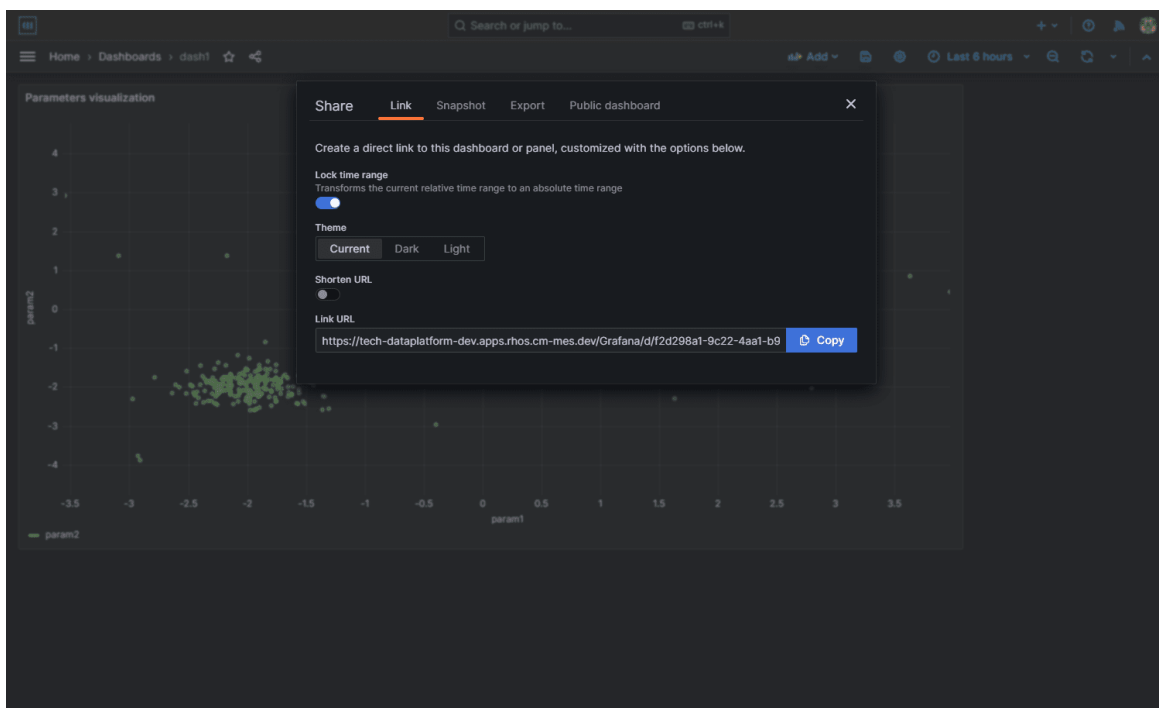
To create a dashboard you can select the **Add to dashboard** button at the top of the **Explore** section; from the Home page, you can follow these steps:

1. Go to the **Dashboards** section and select **New Dashboard**.
2. Add a new visualization/panel to your dashboard and select the Data Manager as the data source for the panel.
3. Configure the panel settings to visualize the data effectively:
 - Choose the visualization that better fits your data.
 - Map the queried data to the appropriate axes and fields.
 - Customize the visual style, including colors, labels, and legends.
4. Save the panel configurations by selecting the **Apply** button (top right), and repeat these actions as needed to build a comprehensive dashboard comprised of several panels.



Grafana easily allows you to share your dashboard with other users, thus allowing them to access and analyze the data in real-time. You can also leverage Grafana's alerting features to set up notifications for critical thresholds or anomalies in your data.

By combining the Data Manager plugin's no-code query capabilities with Grafana's robust visualization plugin tools, you can unlock the full potential of your MES data. This will empower teams to make informed, and data-driven decisions.



For more information on visualization tools, visit the [Grafana Plugin Documentation](#).



Legal Information

Disclaimer

The information contained in this document represents the current view of Critical Manufacturing on the issues discussed as of the date of publication. Because Critical Manufacturing must respond to changing market conditions, it should not be interpreted to be a commitment on the part of Critical Manufacturing, and Critical Manufacturing cannot guarantee the accuracy of any information presented after the date of publication. This document is for informational purposes only.

Critical Manufacturing makes no warranties, express, implied or statutory, as to the information herein contained.

Confidentiality Notice

All materials and information included herein are being provided by Critical Manufacturing to its Customer solely for Customer internal use for its business purposes. Critical Manufacturing retains all rights, titles, interests in and copyrights to the materials and information herein. The materials and information contained herein constitute confidential information of Critical Manufacturing and the Customer must not disclose or transfer by any means any of these materials or information, whether total or partial, to any third party without the prior explicit consent by Critical Manufacturing.

Copyright Information

All title and copyrights in and to the Software (including but not limited to any source code, binaries, designs, specifications, models, documents, layouts, images, photographs, animations, video, audio, music, text incorporated into the Software), the accompanying printed materials, and any copies of the Software, and any trademarks or service marks of Critical Manufacturing are owned by Critical Manufacturing unless explicitly stated otherwise. All title and intellectual property rights in and to the content that may be accessed through use of the Software is the property of the respective content owner and is protected by applicable copyright or other intellectual property laws and treaties.

Trademark Information

Critical Manufacturing is a registered trademark of Critical Manufacturing.

All other trademarks are property of their respective owners.