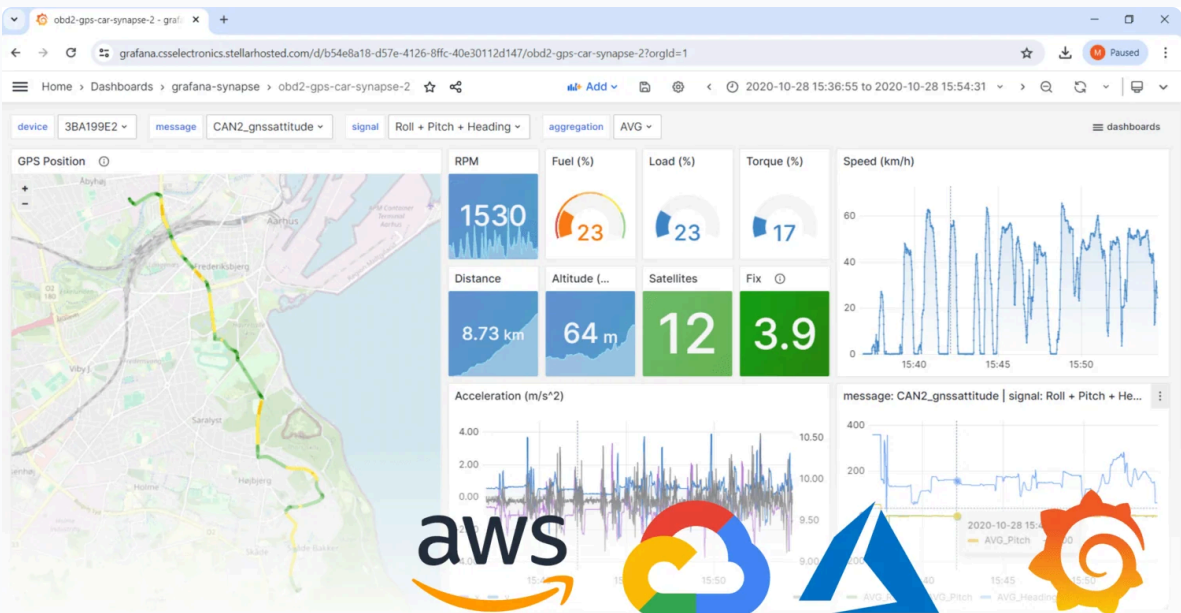


New Grafana dashboard integrations for CANedge users in Google Cloud and Azure

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Set up Grafana dashboards across Amazon, Google and Azure

The [CANedge2/CANedge3](#) lets you upload CAN/LIN data to your own server - incl. Amazon, Google Cloud and Azure.

In 2023 we launched our [Grafana-Athena](#) dashboard integration, enabling **Amazon** users to visualize data from Parquet data lakes stored in S3. The integration **reduces costs by 95%+** vs. 'database based' dashboards - making this a popular deployment!

Now we introduce equivalent setups for our users in Google Cloud and Azure:

In **Google Cloud**, you can now deploy [Grafana-BigQuery](#). When a log file is uploaded to your input bucket, a Google Cloud Function DBC decodes it to Parquet files - and writes these to an output bucket. The resulting Parquet data lake can be queried via serverless SQL using Google BigQuery. This enables direct integration with Grafana dashboards - but also other tools like [Python](#), [MATLAB](#), [Excel](#) and more.

Similarly, in **Azure** you can deploy [Grafana-Synapse](#). This does the same thing as above, but uses Azure Functions for automation and Azure Synapse to perform the serverless SQL queries. Integration with Grafana is achieved via Grafana's built-in Microsoft SQL Server data source.

Check out the articles via the links above - or our [step-by-step deployment guides](#)!



"The CANedge/CANmod is a **convenient, easy-to-use** and **affordable** tool for data collection"



Nissan case study

Learn how Nissan uses the CANedge1, CANmod.temp and CANmod.input to diagnose prototype vehicle issues in remote deployments.

"The CANedge/CANmod is a **convenient, easy-to-use and affordable** tool for data collection"

[Learn more](#)



"The CANedge2 is a **compact, yet powerful data logger** with an enormous amount of configuration options"



VDL case study

Check out how VDL uses the CANedge2 to collect CAN/LIN data remotely via WiFi to enable faster diagnostics across their prototype fleets - and to reduce technician field visits.

"The CANedge2 is a **compact, yet powerful data logger** with an enormous amount of configuration options"

[Learn more](#)

Comments from CSS

The introduction of Grafana-BigQuery and Grafana-Synapse play a core role in our strategy of making the CANedge increasingly 'agnostic' in terms of cloud providers. With the new integrations, we now offer a consistent architecture across all the top 3 clouds for deploying Grafana dashboard visualization. However, this is only part of the benefit.

As explained in our recent [CAN bus telematics at scale article](#), Parquet data lakes are extremely powerful as they allow you to perform large scale analytics - with minimal coding effort. Further, the introduction of serverless SQL interfaces across all top 3 clouds (via Athena, BigQuery and Synapse) enable you to 'democratize' the access to your DBC decoded CAN/LIN data across your organization. For example, the standard SQL queries enable you to extract insights across terabytes of data (i.e. beyond memory) - without the need for complex scripts. Further, the SQL based data extraction is done in your cloud backend - super charging the processing speed and making the processing costs negligible in practice.

If you have not already deployed your own Parquet data lake, now is your chance - regardless of whether you're using Amazon, Google Cloud or Azure.

We are planning a number of major launches for the coming months - for early updates, [follow us on LinkedIn](#)!

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