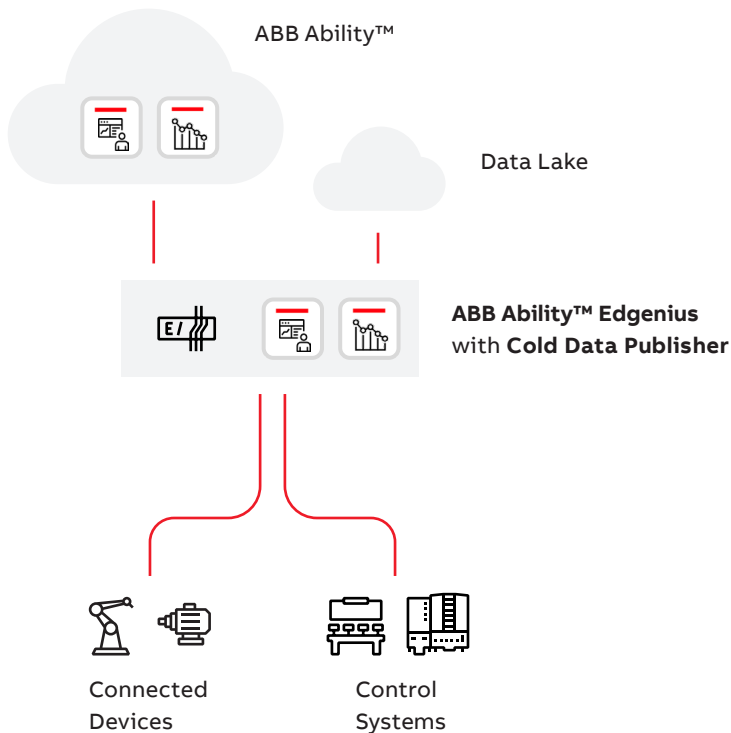


ABB Ability™ Edgenius – Cold Data Publisher

Flexible, Reliable and Cost-Effective
Data Transfer from Edge to Cloud



Distributed control systems and the underlying field instruments produce vast amounts of data. However, most of the data is not being used and potential to improve business is not being leveraged.

ABB Ability™ Edgenius – Cold Data Publisher provides a flexible, reliable and cost-effective data transfer mechanism from edge to Microsoft Azure Cloud Data Lakes, enabling cloud-based storage, data analytics and machine learning to release the full potential of your operational data.

Why should you care about cold data?

No matter if you are looking for ways on how to improve operations, have regulatory reasons to store your data or you are following your companies data storage strategy: Every data point of your process might hold additional insights that only can be leveraged if it is stored and available later. Cloud data lakes provide means to cost-effectively store data and provide additional analytics and AI/ML services.

What is ABB Ability™ Edgenius? What is Cold Data Publisher?

ABB Ability™ Edgenius is an edge compute solution that seamlessly connects to control systems and smart devices, hosts applications, and operates near the point of production. Cold Data Publisher is a connectivity service to publish data from edge to cloud data lakes.

How does it work?

Telemetry data collected from control systems and devices can be routed to the cold data path within Edgenius. From here Cold Data Publisher bundles the data in parquet files and periodically pushes the data to your Azure Data Lake Storage Gen2 instance. In case of network issues, a buffer ensures that your data is safe and being resend once connection is re-established.

How to get it?

Reach out to your local ABB organization and ask for more information about ABB Ability™ Edgenius and Cold Data Publisher.



Benefits

- Reliable and robust, a buffer keeps tracks of your data in case of network issues
- Cost-effective data storage in cloud data lakes instead of hot data tier offerings
- Flexible edge to cloud communication interval
- End-to-end security based on TLS providing secure communication between edge and cloud