European Factory Platform
SYMPHONY DATA STORAGE

A highly scalable and high-performance data storage solution, designed to fit different application scenarios with varying requirements in terms of capacity, reliability and functionality.

WHAT IS THE EFPF SYMPHONY DATA STORAGE?

The Symphony Data Storage component provides a solution to store large amounts of data and perform basic aggregation, retention and propagation operations. By leveraging third-party data storage back-ends, such as PostgreSQL, TimescaleDB, Cassandra and ElasticSearch, this component allows to choose the most suitable solution depending on the customer’s requirements.

WHAT IS AVAILABLE THROUGH EFPF SYMPHONY DATA STORAGE?

The Symphony Data Storage component provides:

- different data ingestion channels, both in push and in pull mode (e.g. AMQP/MQTT subscription)
- data aggregation and sub-sampling functions
- configurable retention and quota enforcement policies
- master/slave replication
- AMQP/MQTT data propagation
- selection of different storage back-ends

WHY CONNECTING TO EFPF SYMPHONY DATA STORAGE?

Storing and retrieving large amounts of time-based data is not as easy as it seems. Requirements may change in time, and the characteristics of data you need to store might turn out to be different from what you expected at design time. Picking out the most suitable solution among all the different options is often a bet. Symphony Data Storage solves this dilemma by providing a single solution with interchangeable back-ends, allowing you to design a system with a consistent ingestion/extraction interface regardless of how you need to store your data. Furthermore, many common archive management functions (like aggregation, retention and replication) are provided out of the box, and across all the storage back-ends.

The platform development is a joint effort between 30 partners. The development of European Factory Platform is partly funded by the European Commission in the Horizon 2020 framework programme under the Grant Agreement No. 825075.
After purchase you can register it through EFPF Admin tools and start streaming your data securely to the Symphony Data Storage and retrieve the data through its API.

WHAT ARE THE COSTS FOR USING THE EFPF SYMPHONY DATA STORAGE?

The Symphony Data Storage will be provided both as a deployable component and as a managed service. Costs will vary accordingly, also depending on the application scenario and amount of data to be handled.

HOW TO CONNECT TO EFPF SYMPHONY DATA STORAGE?

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