European Factory Platform FCGMT

The FCGMT is a solution to administrate Factory Connectors and Gateways registered in the EFPF platform. Through this tool, the users of a company can inspect the information of devices saved in the repository, edit its information and create new ones. As part of the edition, the users can create and edit topics related to the connector, so the company can publish data (i.e.: data from sensors in placed in industrial equipment) through this topics which can be later consumed by other devices or services.

WHAT IS THE EFPF FCGMT

The FCGMT is a transversal tool which can be potentially used in any scenario where factory connectivity is involved. FCGMT enables to manage the information provided by the Factory Connectors, such as its physical location. The tool also enables the manual registration of IoT devices such as Factory Connectors and gateways and the management of the topics published or produced by these devices.

WHAT IS AVAILABLE THROUGH EFPF FCGMT

The user interface provides a clear visualization of the factory connectors and gateways registered in the platform, as well as the information about the topics that these connectors and gateways are exposing or consuming. The format of the data published by the devices is also part of this information and it is represented as a data schema.

- Inspection of IoT devices
- Easy location through Google Maps API
- Visualization of data schema
- Topics management

WHY CONNECTING TO EFPF FCGMT?

The Factory Connector Gateway Management Tool (FCGMT) enables the administration of IoT devices such as Factory Connectors and Gateways in the EFPF platform. The tool interacts with the Service Registry and external repositories through APIs to get information about the registered devices.

Relationships between devices and topics can be defined in order to represent what devices are publishing data in the platform and which devices are consuming data from the topics available.

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.
Once a Factory Connector or Gateway is created, the authorized users can define topics to be produced or consumed by the IoT devices. Consumers are able to define services to become subscribers to the data published by producer devices publishing data to the message broker. The FCGMT supports the implementation of these activities from both consumer and producer perspectives to make them easier for the users.

WHAT ARE THE COSTS FOR USING THE EFPF FCGMT

The FCGMT has been designed to work as an integrated solution in the EFPF platform, although this may operate as an standalone application under particular configuration activities. Under the EFPF environment, the cost of using this tool can be considered as part of the overall cost of become part of the platform. Besides this, the solution has been developed under a BSD 3-Clause License, which allows the redistribution and use of source and binary under particular conditions.

HOW TO CONNECT TO EFPF FCGMT

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