



Guide for configuring and working with the MQTT broker integration module

ACFA PSIM 1.1

Last update 05/03/2024

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1 Introduction into the Guide for configuring and working with the MQTT broker integration module

On the page:

- Purpose of the document
- General information about the MQTT broker integration module

1.1 Purpose of the document

The *Guide for configuring and working with the MQTT broker integration module* is a reference and information manual and is intended for configuration specialists and operators of the *MQTT broker* integration module.

The Guide has the following information:

1. General information about the *MQTT broker* integration module.
2. Configuring the *MQTT broker* integration module.
3. Working with the *MQTT broker* integration module.

1.2 General information about the MQTT broker integration module

The *MQTT broker* integration module is part of *ACFA PSIM* and is used to connect devices that use it for operation. MQTT is a standard-based messaging protocol, or a set of rules, used for communication between computers. Smart sensors, wearable devices, and other Internet of Things (IoT) devices typically send and receive data over networks with limited resources and bandwidth. These IoT devices use MQTT for data transfer because it is easy to implement and can efficiently transfer IoT data.

2 Supported hardware and licensing of the MQTT broker module

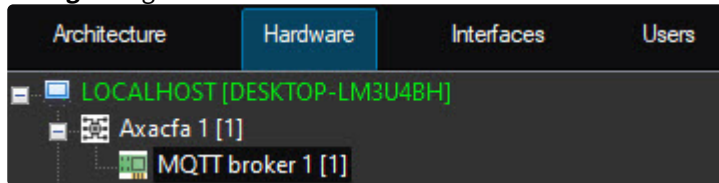
Module licensing

Module isn't licensed.

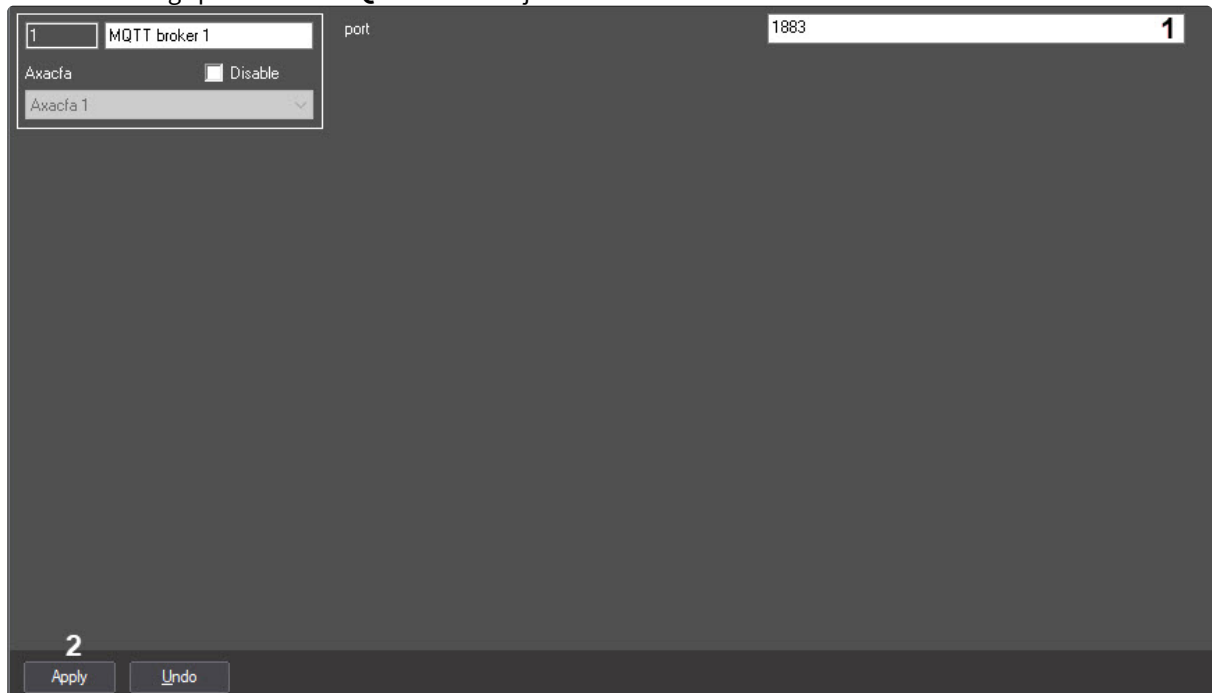
3 Configuring the MQTT broker module

To configure the *MQTT broker* module, do the following:

1. Create the **MQTT broker** object on the basis of the **Axacfa** object on the **Hardware** tab of the **System setting** dialog window.



2. Go to the settings panel of the **MQTT broker** object.



3. On the settings panel, enter the port number on which the *MQTT broker* will operate (**1**). By default, port 1883 is selected.
4. To save the settings, click the **Apply** button (**2**).

4 Working with the MQTT broker integration module

4.1 General information about working with the MQTT broker integration module

The following interface objects are used to work with the *MQTT broker* integration module:

1. **Map.**
2. **Event Viewer.**



For the information on configuring these interface objects, see the *Axxon PSIM Administrator's Guide*.

For the information on working with these interface objects, see the *Axxon PSIM Operator's Guide*.

4.2 Managing the MQTT broker object

You cannot manage the *MQTT broker* object in the **Map** interactive window.

The following states of the *MQTT broker* object are possible:

	start
	stop