W&T connects
Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI
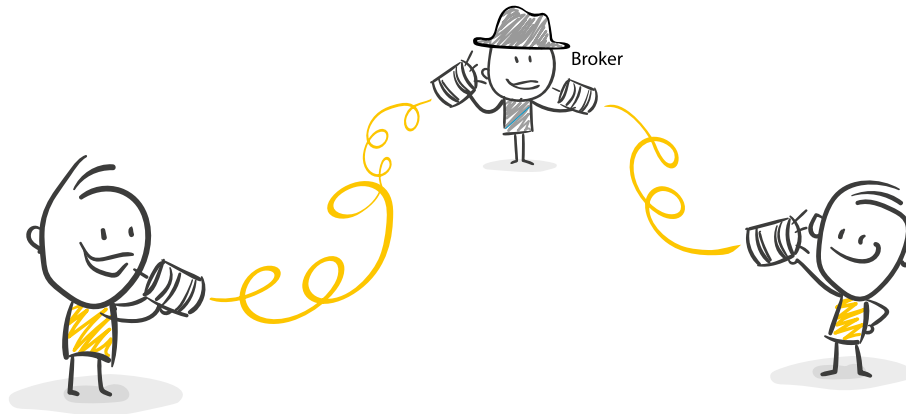
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Topic:

MQTT – Communication in the Internet of Things

Broker

The terminal devices (clients) involved in MQTT communication open a connection to a central message service (server), the **broker**. Here they can act as **publishers** to publish messages or as **subscribers** to receive them. One prerequisite: the clients must be able to connect to the broker, regardless of whether in the internal network or in the internet.

MQTT was standardized by OASIS in 2013 and since then has been an important protocol for the Internet of Things.

New at W&T: The MQTT.box as a stand-alone broker for your network!

Introduction to MQTT

MQTT: Communication standard for Industry 4.0 • Basic knowledge about communication in the Internet of Things • Advantages of MQTT	MQTT: Data exchange without a direct connection • The protocol, short and sweet	Documentation, software and online services for MQTT • Collection of helpful links for an overview of the MQTT cosmos

Tutorials with Web-IO

MQTT Web Client with JavaScript • Creating your own interface for the Web-IO • Using the JavaScript client from the Eclipse Paho project.	Box-2-Box via MQTT with Web-IO 4.0 • Practical example for transmitting switching states • Step-by-step guide for setting up Box-2-Box mode	Smartphone as remote controller • Controlling Web-IO Digital using MQTT with Android • Controlling Web-IO Digital using MQTT with iPhone

MQTT clients

Web Thermometer

To product overview

Web-IO Digital 24V

To product overview

rule.box

To product overview

MQTT broker

MQTT.box

to data sheet

Your own network. Your own brokers.

With the MQTT.box from Wiesemann & Theis you can operate your own Mosquitto MQTT broker in the network - on a DIN rail in your control cabinet. A notable feature is the user management function, which together with the optional configuration of an Access Control enables reliable control of access rights.

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We are available to you in person:

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