

# MQTT

We are running an MQTT broker inside our network. This can be used for projects, for example for sensor data.

## Host

We run 2 MQTT brokers, one on saturn and on roonadan.lan (192.168.1.189). Both are bridged together, so all messages will be forwarded to each other.

## Sandbox

Under the topic `sandbox/#` you can play around and send messages.

## Topics used

The following topics are ACL restricted. Your MQTT client needs to have a valid login and the according permission to read/write on the topics. Ask [metalgamer](#) on how to get an account.

Topic	Description
<code>availability/#</code>	This topic is used for every client to publish availability messages (online/offline). This is the topic also for the last will messages.
<code>space/status</code>	This topic contains the current space state. It is a JSON encoded message.
<code>space/member_count</code>	On this topic the current member count of the club will be published. This message is JSON encoded.
<code>sensors/people_now_present</code>	On this topic the current people present will be published (integer)
<code>sensors/people_now_present/names</code>	The names of the people present (if available)
<code>sensors/temperature/#</code>	On this topic the current temperature sensors reading will be published. The readings are in °C and are a float. The subtopics are the location for the sensors (Example: <code>sensors/temperature/chill/shelf</code> for the sensors on the shelf in the Chill room)

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