# MQTT

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

## Host

The MQTT broker itself is running on saturn, which is bridged with roonadan.lan (192.168.1.189).

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

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