

# How to Communicate

**JSON (Javascript Object Notation)** – Lightweight data transport, using easy to read key value pairs. Very common and well supported, but not defined language for applications.

**MQTT (Message Queue Telemetry Transport)** – Small format data transport, using binary messages. Publish-and-subscribe mechanism means a message broker is part of the stack.

**CoAP (Constrained Application Protocol)** – Well-defined request-response protocol available over a variety of transports and formats. Gaining a lot of traction in automation environments.

**XMPP (Extensible Message and Presence Protocol)**

**SOAP (Simple Object Application Protocol)**

**REST (Representational State Transfer)** – Software architecture style that is extensible and scalable over existing web services.