protocol

Crownstone B.V

Ilhan Delic
0914619
november 2019

Contents

1   introduction

This is the documentation for the protocol for the hub. I'll describe my thinking and design process for this protocol

2   Design

In order to get a better idea of how to set up a protocol i had to make a design of how the communication will flow between the parts. In order to get the data that's stored on the cloud and show it to the hub you could make an event server which uses SSE to show the current dynamic data. The communication needs to start at the hub side and the hub needs to make a REST call to the cloud in order to start things off. when that has been done the next step would be for the event server to push the data that is requested from the hub. With this way you get the data immediately.
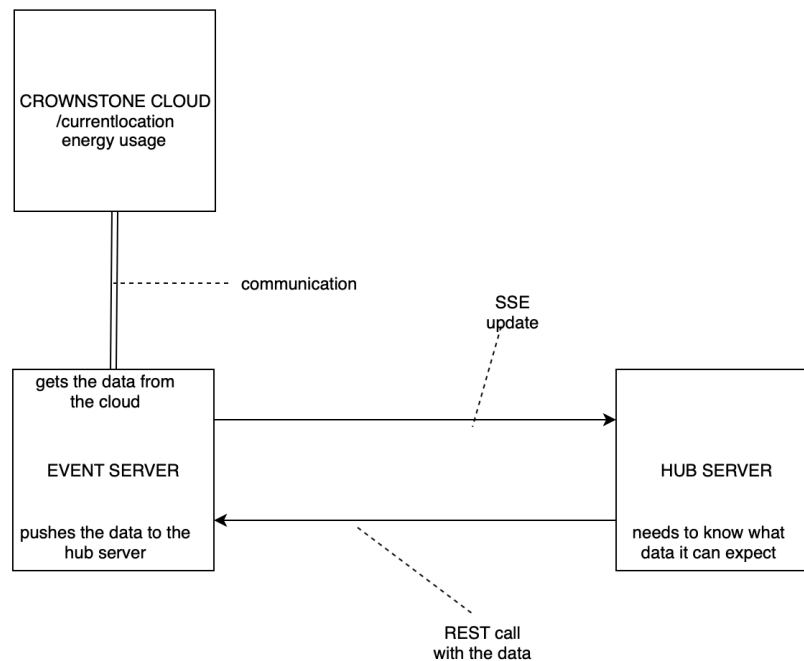

Figure 1: protocol draft design

3   functionality