

Thermometer (Provider) HTTP/JSON

System Description

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1 Overview

This document describes the Thermometer Provider system.

The thermometer is a system that includes a temperature sensor device (that we assume is already interfaced). When required it produces and sends a temperature log that contains a temperature value and the time of the measurement.

2 Services

The thermometer systems produces and consumes the following services :

2.1 Consumed Services

This system does not consume any services other than communication with mandatory cores systems.

2.1.1 [Service Registry](#)

This service is consumed to make sure that the thermometer system becomes accessible to other systems.

2.1.2 [Authorization](#)

Used alongside ServiceRegistry to register the services into the cloud.

2.2 Produced Services

2.2.1 [Get Temperature](#)

This service is produced when requested, it sends a temperature log to any systems sending a request.



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3 References

This document alongside any other document linked to this project are based on template documents, that are the description of "Intercloud Contract Negotiation and Automation" system, by Emanuel Palm [emanuel.palm@ltu.se]. I just adapted the template to my system.



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4 Revision History

4.1 Amendments

| No. | Date | Version | Subject of Amendments | Author |
|-----|------|---------|-----------------------|--------|
| 1 | | | | |

4.2 Quality Assurance

| No. | Date | Version | Approved by |
|-----|------|---------|-------------|
| 1 | | | |