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Detector (Provider) HTTP/JSON
System Description

Document title
Detector (Provider) HTTP/JSON
Date
2022-12-12

Version
1.3
Status
Finished
Page
2 (6)

Contents

Document title
Detector (Provider) HTTP/JSON
Date
2022-12-12

Version
1.3
Status
Finished
Page
3 (6)

1 Overview

This document describes the Detector Provider systems.

The detector is a system that includes a sensor device (that we assume is already interfaced) that detects if there is an object in front of it. When required it produces and sends a the information about if there is an object or not at the moment.

In the global system, there are two detectors, they are identified by two different names and addresses, but they work exactly the same. Therefore this document accounts for both of them.

Document title
Detector (Provider) HTTP/JSON
Date
2022-12-12

Version
1.3
Status
Finished
Page
4 (6)

2 Services

The Detector 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 services.

2.1.1 Service Registry

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

2.1.2 Authorization

Used alongside ServiceRegistry to register the provider services into the cloud.

2.2 Produced Services

2.2.1 Get Detection

This service is produced when requested, with a Yes/No value about if it detects an object in front of it.

Document title
Detector (Provider) HTTP/JSON
Date
2022-12-12

Version
1.3
Status
Finished
Page
5 (6)

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.

Document title
Detector (Provider) HTTP/JSON
Date
2022-12-12

Version
1.3
Status
Finished
Page
6 (6)

4 Revision History

4.1 Amendments

No.	Date	Version	Subject of Amendments	Author
1				

4.2 Quality Assurance

No.	Date	Version	Approved by
1			