

# Get Dectection HTTP/JSON

## Interface Design Description

Service ID: *"get-detone" or "get-dettwo"*

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## 1 Overview

This document describes the interface of the "get-detone" and "get-dettwo", as they work the same they will be referred to as "get-det" throughout this document. With the same principle "detone" and "dettwo" will be referred to as "det". The interface uses HTTP REST protocol and JSON encoding.

This document exists as a complement to the *Get Detection – Service Description* document.



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## 2 Service Interface

This section lists the functions of the service.

### 2.1 GET **/det/get-det**

Function: **Get Detection**  
Input: **None**  
Output: **SensorResponseDTO**

Called to get the state of the detector sensor.

```
1 POST /detone/get-detone HTTP/1.1
2
3 {
4   "Detecet" : true
5 }
```

Listing 1: An **get-detone** response example. (Same for get-dettwo)



### 3 Information Model

Data objects that can be part of the service. Note that all the structure are encoded in JSON :

#### 3.1 struct **sensorResponseDTO**

Response of the detector about the presence of an object.

Object Field	Value Type	Description
"Detection"	boolean	Presence of an object

## 4 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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## 5 Revision History

### 5.1 Amendments

No.	Date	Version	Subject of Amendments	Author
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### 5.2 Quality Assurance

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