SessionManagement-M3-IDD-REST-JSON-TLS

**Abstract**

This document defines interface design of the SessionManagement Service based on REST.

1. Overview

This document describes the Session Management Service and how it can be accessed using HTTP methods.

1. Interfaces

As per the SD of this Service, there is one method implemented. Table 1 describes this.

Table 1 Function description

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Function | Service | Method | Input | Output |
| Session Management | “/management” | GET | - | String |

1. Information Model

The response is a String. This String contains ActiveSession objects which were converted to JSON format. Examples for this are given here.

{

"151861788876209445787672554815": {

"consumer": {

"id": 0,

"systemName": "client1",

"address": "localhost",

"port": 0,

"authenticationInfo": "null"

},

"consumerCloud": {

"id": 0,

"operator": "EVManufacturer",

"cloudName": "EVCloud",

"address": "10.0.0.80",

"port": 8446,

"gatekeeperServiceURI": "gatekeeper",

"authenticationInfo": "Gatekeeper PK",

"secure": false

},

"provider": {

"id": 0,

"systemName": "InsecureTemperatureSensor",

"address": "10.0.0.82",

"port": 8454,

"authenticationInfo": ""

},

"providerCloud": {

"id": 0,

"operator": "SmartGridOperator",

"cloudName": "SmartGrid",

"address": "10.0.0.82",

"port": 8446,

"gatekeeperServiceURI": "gatekeeper",

"authenticationInfo": "Gatekeeper PK",

"secure": false

},

"service": {

"id": 0,

"serviceDefinition": "IndoorTemperature",

"interfaces": [

"json"

],

"serviceMetadata": {

"unit": "celsius"

}

},

"brokerName": "arrowhead3.tmit.bme.hu",

"brokerPort": 5672,

"queueName": "151861788876209445787672554815",

"controlQueueName": "151861788876209445787672554815\_control",

"isSecure": false,

"startSession": "Feb 14, 2018 3:18:08 PM"

}

}

1. Revision history

# Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 2018-01-30 | 0.1 | Initial | Csaba Hegedűs |
| 2 |  |  |  |  |

# Quality Assurance

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Date | Version | Approved by |
| 1 |  |  |  |
| 2 |  |  |  |