StoreManagement IDD

**Abstract**

This document defines interface design of the StoreManagement Service based on REST within Arrowhead generation 4.0.

1. Overview

This document describes the StoreManagement service of G4.0 with the REST interface.

This interface uses HTTP or HTTPS, therefore the related CP is valid.

Two of the interfaces use the client certificate as input to identify the requester System, therefore these 2 interfaces can only be used in secure mode.

1. Interfaces

As per the SD of this Service, there are four methods implemented. Table 1 describe these.

The base URL for the requests: http://<host>:<port>/orchestrator.

Table 1 Function description

|  |  |  |  |
| --- | --- | --- | --- |
| **URL subpath** | **Method** | **Input** | **Output** |
| “/consumername/{systemName}” | GET | Path parameter | HTTP OK,  DATA\_NOT\_FOUND |
| “/consumername/{systemName}  /servicedef/{servicedef}” | GET | Path parameter | HTTP OK,  DATA\_NOT\_FOUND |
| “/query” | GET | Certificate | HTTP OK, BAD\_REQUEST, DATA\_NOT\_FOUND |
| “/query/servicedef/{servicedef} | GET | Certificate + Path Parameter | HTTP OK, BAD\_REQUEST, DATA\_NOT\_FOUND |

1. Information Model

All four requests return a list of OrchestraionStore objects, matching the criteria.

# 3.1 OrchestrationStore list example

[

{

"service": {

"serviceDefinition": "Billing",

"interfaces": ["JSON"]

},

"consumer": {

"systemName": "ChargePointSystem",

"address": "dummy\_address\_4",

"authenticationInfo": "Base64 coded Public Key"

},

"providerSystem": {

"systemName": "SmartGridManagerSystem1",

"address": "dummy\_address\_1",

"authenticationInfo": "Base64 coded Public Key"

},

"priority": 1,

"defaultEntry": false,

"name": "Billing Service for Section1",

"lastUpdated": "2018-02-18T12:46:00",

"instruction": "command args"

},

{

"service": {

"serviceDefinition": "Billing",

"interfaces": ["JSON"]

},

"consumer": {

"systemName": "ChargePointSystem",

"address": "dummy\_address\_4",

"authenticationInfo": "Base64 coded Public Key"

},

"providerSystem": {

"systemName": "SmartGridManagerSystem2",

"address": "dummy\_address\_2",

"authenticationInfo": "Base64 coded Public Key"

},

"priority": 2,

"defaultEntry": false,

"name": "Billing Service for Section2",

"lastUpdated": "2018-02-18T12:46:00",

"instruction": "command args"

}

]

# 

# Revision history

# Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 2018-05-22 | G4.0 | Initial | Zoltán Umlauf |
|  |  |  |  |  |

# Quality Assurance

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