StoreManagement SD

**Abstract**

This document defines the StoreManagement Service functionality within Arrowhead generation 4.0.

1. Service Description Overview

The StoreManagement Service provides 4 different interfaces to look up Orchestration Store entries:

* Get default Store entries for a Consumer (based on path parameter)
* Get Store entries for a Consumer/Service pair (based on path parameter)
* Get default Store entries for a Consumer (based on client certificate)
* Get Store entries for a Consumer/Service pair (based on client certificate and path parameter)

1. Abstract Interfaces

All 4 interfaces are implemented with HTTP GET requests (meaning there is no request body), and all 4 return a list of OrchestrationStore entries from the database.

1. Abstract Information Model

An OrchestrationStore entry contains the following information, as presented in Table 1.

Table 1 OrchestrationStore type description

|  |  |
| --- | --- |
| **Field** | **Description** |
| Service: ArrowheadService | The Service that needs to be consumed |
| Consumer: ArrowheadSystem | The Service consumer ArrowheadSystem |
| ProviderSystem: ArrowheadSystem | The Service provider ArrowheadSystem |
| ProviderCloud: ArrowheadCloud | ArrowheadCloud of the provider ArrowheadSystem. If null, it means the provider is from the Local Cloud. |
| Priority: Integer | Ranking of this Store entry between entries having the same Service/Consumer pair. Can not be negative. Lowest number means the highest priority. Store entries are returned in priority order. |
| DefaultEntry: Boolean | Default entries can be queried through special interfaces. Only 1 default entry is permitted per Service/Consumer pair. |
| Name: String | Arbitrary name for the Store entry. |
| LastUpdated: DateTime | When was this entry last updated, the Core System auto fills this field. |
| Instruction: String | Extra information to be passed to the Consumer. |
| Attributes: Map<String, String> | Option for extra metadata, not used in this release. |

1. Non-functional Requirements
2. Revision history

# Amendments

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

# Quality Assurance

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