SessionManagement SD

**Abstract**

This document defines the SessionManagement service functionality.

1. Service Overview

This document describes an Arrowhead service, including its interfaces.

1. Abstract Interfaces

The service provides one functionality.

# Management

This service offers a possibility to see all active sessions and its details in JSON format.

1. Abstract Information Model

The service lists ActiveSession objects which contain the information about an active session.

Table 1 ActiveSession description

|  |  |
| --- | --- |
| **Field** | **Description** |
| consumer:  ArrowheadSystem | The system which requested a Service |
| consumerCloud:  ArrowheadCloud | The Local Cloud of the consumer System |
| provider:  ArrowheadSystem | The system which provides the Service |
| providerCloud:  ArrowheadCloud | The Local Cloud of the provider System |
| service:  ArrowheadService | The requested Service. |
| brokerName: String | The name of the chosen Broker which will be used for the message forwarding. |
| brokerPort:  Integer | The port of the chosen Broker. |
| serverSocketPort:  Integer | The consumer System will send its request to this port instead of the provider System’s port. |
| queueName:  String | The (unique) name of the declared queue, which will be used for the general message forwarding during the session. |
| controlQueueName:  String | The (unique) name of the declared queue, which will be used for the control message forwarding during the session. |
| isSecure:  Boolean | The mode of the connection. |
| sessionStartedAt:  DateTime | The timestamp when the session started. |

1. Revision history

# Amendments

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Date | Version | Subject of Amendments | Author |
| 1 | 2018-01-30 | 0.1 | Initial | Csaba Hegedűs |
| 2 | 2018-05-23 | G4.0 | Updated to G4.0 | Zoltán Umlauf |

# Quality Assurance

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