Tool Plugin

API Specification

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# Revisions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Version** | **Date** | **Functional Area** | **Notes** | **Owner** |
|  |  |  |  |  |  |

# Tool Configurations

## Fetch Service Types

This service should return service type codes and service type names of all the service types present in the Cache\*.

### Request

**URL:** https://<host>:<port>/plugin/service/

**Method:** GET

This will be URL using which all present service-types information can be extracted.

### Response Body

{

"serviceTypes": [

{

"code": "G",

"name": "grocery"

},

{

"code": "A",

"name": "apparel"

},

{

"code": "O",

"name": "other"

}

]

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | serviceTypes | JSONArray | Array of service types |
| 2 | code | String | Code of the service type. This value is unique |
| 3 | name | String | Name of the service type. |

\* If any new API is developed to add new Service type, it should also update it in the cache

## Submit New Service Type

This service will be used to add new service type

### Request

**URL:** http://<host>:<port>/plugin/service/

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that json is the accepted format. |

This will be URL using which new service type can be inserted.

#### Request Body

{

"code" : "F",

"name" : "Furniture"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | code | String | Code for new service type |
| 2 | name | String | Name for new service type |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "New Service Type is inserted successfully."  } | 200 | application/xml | New Service Type is inserted successfully |
| Failure | {  "status": "FALSE",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

## Fetch Sub Categories for Service Type

This service should return all the subcategories for the given service type code present in the database.

### Request

**URL:** https://<host>:<port/plugin/subcategory/<service-type-code>/

**Method:** GET

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| service-type-code | Yes | N/A | code of the service type |

This will be URL using which all sub categories for given service-type can be fetched.

### Response Body

{

"serviceTypeCode": "G",

"subCategoryModels": [

{

"subCategoryId": 4,

"serviceTypeCode": "G",

"name": "Rice",

"code": "GR"

},

{

"subCategoryId": 5,

"serviceTypeCode": "G",

"name": "Wheat",

"code": "GW"

},

{

"subCategoryId": 6,

"serviceTypeCode": "G",

"name": "Other",

"code": "GO"

}

]

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | serviceTypeCode | String | service type code |
| 2 | subCategories | JSONArray | Array for sub categories |
| 3 | subCategoryId | String | Sub category id |
| 4 | name | String | Name of the sub category |
| 5 | code | String | Code of the sub category |

## Submit New Sub Category

This service will be used to add new sub category

### Request

**URL:** http://<host>:<port>/plugin/subcategory/

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that json is the accepted format. |

This will be URL using which new service type can be inserted.

#### Request Body

{

"serviceTypeCode" : "F",

"name" : "Queen Beds",

"code" : "FQ"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | code | String | Code for new sub category |
| 2 | name | String | Name for new Sub Category |
| 3 | serviceTypeCode | String | Service Type code for Sub Category |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "New Sub Category is inserted successfully."  } | 200 | application/xml | New Sub Category is inserted successfully |
| Failure | {  "status": "FALSE",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

# User Services

## Update User Settings

This service will be used to change user setting (i.e. user’s selected Service types). User will get the Services only for selected service type

### Request

**URL:** https://<host>:<port>/plugin/userdetails/settings

**Method:** PUT

This will be URL from which Client application should call to change the user settings.

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that xml is the accepted format. |

#### Request Body

{

"userId" : "AND1",

"userSelectedServiceTypes" : "A,G"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| userId | Yes | N/A | User’s Id. Should be unique and assign to each instance |
| userSelectedServiceTypes | Yes | N/A | user’s selected service types separated by comma |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "User settings are changed successfully."  } | 200 | application/xml | User’s settings are changed successfully |
| Failure | {  "status": "Failed",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

# Inventory System Services

## Fetch All Items for Service Type and Sub Category

This service should return all the items present under given service type name and sub category name present in the inventory system database\*.

### Request

**URL:** https://<host>:<port/plugin/inventory/search?categoryName=<service-type>&subCategoryName=<sub-category>

**Method:** GET

#### Request Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| service-type | Yes | N/A | Name of service type |
| sub-category | Yes | N/A | Name of the sub category |

This will be URL using which all items for given service-type and subcategory can be fetched.

### Response Body

{

"categoryName": "grocery",

"subCategoryName": "Rice",

"inventorySearchItems": [

{

"itemCode": "C0001GH",

"itemName": "Best Rice",

"price": 210,

"message": "Rice for biryani",

"effectivePrice": 150,

"brand": "best"

},

{

"itemCode": "C0001GH",

"itemName": "Basmati Rice",

"price": 300,

"message": "Rice matlab Basmati Rice",

"effectivePrice": 250,

"brand": "himgiri"

}

]

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | categoryName | String | service type name |
| 2 | subCategoryName | String | Sub category name |
| 3 | inventorySearchItems | JSONArray | Array of items |
| 4 | itemCode | String | Code of the Item |
| 5 | itemName | String | Name of the Item |
| 6 | price | Float | Price of the Item |
| 7 | message | String | Message linked with the Item |
| 8 | effectivePrice | Float | Effective price of the Item |
| 9 | brand | String | Brand name of the Item |

\* Inventory System support three types of data storage:

1. Its own database
2. Linked to Third Party database
3. Use Third Party web services

## Fetch Item details By Item Code

This service should return item information present for given item code

### Request

**URL:** https://<host>:<port/plugin/inventory/<item-code>

**Method:** GET

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| item-code | Yes | N/A | Item Code. Should be unique |

This will be URL using which item information for given item code.

### Response Body

{

"itemCode": "C0001GH",

"itemName": "Best Rice",

"price": 210,

"message": "Rice for biryani",

"effectivePrice": 150,

"brand": "best"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | itemCode | String | Code of the Item |
| 2 | itemName | String | Name of the Item |
| 3 | price | Float | Price of the Item |
| 4 | message | String | Message linked with the Item |
| 5 | effectivePrice | Float | Effective price of the Item |
| 6 | brand | String | Brand name of the Item |

## Insert New Item Information

This service will be used to add the information of a new Item

### Request

**URL:** http://<host>:<port>/plugin/inventory/<item-code>

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that xml is the accepted format. |

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| item-code | Yes | N/A | Item Code. Should be unique |

This will be URL using which item information can be inserted in the database.

#### Request Body

{

"serviceCode":"A",

"subCategoryName":"Tees",

"itemCode":"L0003AF",

"itemName":"Jealous Tees",

"price": 300,

"message":"Tees for girls",

"effectivePrice": 250,

"brand":"Jealous"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | serviceCode | String | Item’s Service type code |
| 2 | subCategoryName | String | Item’s Sub Category Name |
| 3 | itemCode | String | Code of the Item |
| 4 | itemName | String | Name of the Item |
| 5 | price | Float | Price of the Item |
| 6 | message | String | Message linked with the Item |
| 7 | effectivePrice | Float | Effective price of the Item |
| 8 | brand | String | Brand name of the Item |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "Item inserted successfully"  } | 200 | application/xml | Item information is inserted successfully |
| Failure | {  "status": "FAILED",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

## Update Item Information

This service will be used to update the information of Item for given item code

### Request

**URL:** http://<host>:<port>/plugin/inventory/<item-code>

**Method:** PUT

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that xml is the accepted format. |

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| item-code | Yes | N/A | Item Code. Should be unique |

This will be URL using which item information can be updated in the database.

#### Request Body

{

"serviceCode":"A",

"subCategoryName":"Tees",

"itemCode":"L0003AF",

"itemName":"Jealous Tees",

"price": 300,

"message":"Tees for girls",

"effectivePrice": 250,

"brand":"Jealous"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | serviceCode | String | Item’s Service type code |
| 2 | subCategoryName | String | Item’s Sub Category Name |
| 3 | itemCode | String | Code of the Item |
| 4 | itemName | String | Name of the Item |
| 5 | price | Float | Price of the Item |
| 6 | message | String | Message linked with the Item |
| 7 | effectivePrice | Float | Effective price of the Item |
| 8 | brand | String | Brand name of the Item |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "Item updated successfully"  } | 200 | application/xml | Item information is updated successfully |
| Failure | {  "status": "FAILED",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

## Remove Item Information

This service will be used to add the information of a new Item

### Request

**URL:** http://<host>:<port>/plugin/inventory/<item-code>

**Method:** DELETE

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that xml is the accepted format. |

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| item-code | Yes | N/A | Item Code. Should be unique |

This will be URL using which item information can be inserted in the database.

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": "Item deleted successfully"  } | 200 | application/xml | Item information is deleted successfully |
| Failure | {  "status": "FAILED",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

# User Request System Services

## Submit New Request Processor

This service will be used to add new request processor

### Request

**URL:** http://<host>:<port>/plugin/requestintr/processor/

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that json is the accepted format. |

This will be URL using which new service type can be inserted.

#### Request Body

{

"requestType" : "BrandPro",

"processorClass" : "com.mobile.tool.request.intr.processor.BranRequestProcessor",

"noOfContexts" : 1,

"noOfSubContexts" : 0

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | requestType | String | Request type of processor |
| 2 | processorClass | String | Class name of processor |
| 3 | noOfContexts | Integer | Number of context |
| 4 | noOfSubContexts | Integer | Number of sub context |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "SUCCESS",  "message": " New Request Processor inserted successfully."  } | 200 | application/xml | New Request processor is inserted successfully |
| Failure | {  "status": "FALSE",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

## Fetch Request Processor Types

This service should return all the request processor types present in the database.

### Request

**URL:** https://<host>:<port/plugin/requestintr/types

**Method:** GET

This will be URL using which request processor types can be fetched.

### Response Body

[PricePro, BrandPro]

Comma separated request processor types.

## Fetch Request Processor Details

This service should return the processor details for the requested processor.

### Request

**URL:** https://<host>:<port/plugin/requestintr/processordetails/{processorName}

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Data-Type** | **Description** |
| processorName | Yes | N/A | Processor Name |

**Method:** GET

This will be URL using which requested processor details can be fetched.

### Response Body

{

"name": "PricePro"

"selection" : ‘{

"selection1":{

"type":"list",

"values": ‘["Less Than", "More Than", "Equal To"]’

},

"selection2":{

"type" : "input"

}

}’

}

## 

## Submit User’s New Request

This service will be used to add user’s new request

### Request

**URL:** http://<host>:<port>/plugin/requestintr/

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that xml is the accepted format. |

This will be URL using which user’s request can be submitted in the database.

#### Request Body

{

"id":"AND1",

"code":"G",

"subCat":"Rice",

"reqTypeName":"PricePro",

"ctx":"Less Than",

"subCtx":"180"

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | id | String | User Id for whom this request is |
| 2 | code | String | Service Type Code |
| 3 | subCat | String | Sub Category Name |
| 4 | reqTypeName | String | Request Type Names. It should be a proper Type which has defined its processor in the databse |
| 5 | ctx | String | Context for the request |
| 6 | subCtx | String | Sub Context for the request |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | {  "status": "TRUE",  "message": " Request Posted Successfully "  } | 200 | application/xml | User request is inserted successfully |
| Failure | {  "status": "FALSE",  "message": ""  } | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

# Plugin Tool Services

## Check Tool tracker status for user

This service should return tool tracker status for user like: user request’s response items, any newly added Service types and service present near to user’s current location

### Request

**URL:** https://<host>:<port/plugin/tracker/status?id=<user-id>&lat=<latitude>&lon=<longitude>

**Method:** GET

#### Request Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| user-id | Yes | N/A | User unique id |
| latitude | Yes | N/A | User’s current location latitude |
| longitude | Yes | N/A | User’s current location longitude |

This will be URL using which tool tracker status for user.

### Response Body

{

"isServiceAvailable": "Y",

"serviceTypesResponse": {

"serviceTypes": [

{

"code": "G",

"name": "grocery"

},

{

"code": "A",

"name": "apparel"

},

{

"code": "O",

"name": "other"

}

]

},

"inventorySearchResponse": {

"categoryName": "G",

"subCategoryName": "Rice",

"inventorySearchItems": [

{

"itemCode": "C0001GH",

"itemName": "Best Rice",

"price": 210,

"message": "Rice for biryani",

"effectivePrice": 150,

"brand": "best"

}

]

}

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | isServiceAvailable | String | ‘Y’ if services are present for user’ current location otherwise ‘N’ |
| 2 | serviceTypesResponse | JSONObject | Please refer to Section [2.1.2](#_Response_Body) |
| 3 | inventorySearchResponse | JSONObject | Please refer to Section [4.1.2](#_Response_Body_1) |

## Submit User’s Service Visit Information

This service will be used to add user’s service visit information.

### Request

**URL:** http://<host>:<port>/plugin/tracker/<user-id>/visits

**Method:** POST

#### Headers

|  |  |  |  |
| --- | --- | --- | --- |
| **Header Name** | **Header Value** | **Mandatory** | **Description** |
| Content-Type | application/json | Yes | This specifies that json is the accepted format. |

#### Path Variable

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| user-id | Yes | N/A | User Id |

This will be URL using which user’s service visit information can be posted.

#### Request Body

[

{

"service": "Levis Tees",

"serviceType":"A",

"dateTime":"2013-09-11 17:33:00"

},

{

"service": "Levis Tees",

"serviceType":"A",

"dateTime":"2013-09-11 17:33:00"

}

]

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | service | String | Service name which user has visited |
| 2 | serviceType | String | Service type which user has visited |
| 3 | dateTime | TimeStamp | User’s service visited timestamp |

### Response

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Response Status** | **Body** | **HTTP Status Code** | **Content Type** | **Description** |
| Successful | SUCCESS | 200 | application/xml | User’s service visit information is inserted successfully |
| Failure | FAILED | 2XX except 200 | Not Applicable | If the response is received with these status codes, the same request can be resent/retried to Promo Tool. |
| 3XX |
| 4XX | application/xml | This response implies that the request is not valid. The “description” element will have more details about the validation error(s).  Upon receiving this response, Client application should not resend/retry the same request without rectifying the fields in error. |
| 5XX | application/xml | This response implies that Promo Tool encountered an unexpected error and the same request can be resent/retried by Client application. |

## Fetch Services near to User

This service should return services present near to user’s current location

### Request

**URL:** https://<host>:<port/services?id=<user-id>&lat=<latitude>&lon=<longitude>

**Method:** GET

#### Request Parameter

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter Name** | **Mandatory** | **Datatype** | **Description** |
| user-id | Yes | N/A | User unique id |
| latitude | Yes | N/A | User’s current location latitude |
| longitude | Yes | N/A | User’s current location longitude |

This will be URL using which services near to user’s current location can be extracted.

### Response Body

{

{

"12.91646:77.610009" : "

[

{\

"message\":\"service number 1\",

\"time\":\"03:00:00-23:00:00\",

\"name\":\"service1\",

\"type\":\"bt\"

}

]"

}

}

|  |  |  |  |
| --- | --- | --- | --- |
| **S No** | **Element Name** | **Data-type** | **Details** |
| 1 | message | String | Service message |
| 2 | time | Time Duration | Service <validity start date>-<validity end date> |
| 3 | name | String | Service name |
| 4 | type | String | Service type |