Technical Specifications Document

For

**Middleware Components**

**STARS\_FIWrapperServiceDemo**



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# Documentation Control

## Project Identification

The following table is to be completed with important project information for the stakeholders. This information is required so that origination queries and tracking are easy to facilitate.

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name:** | STARS\_FIWrapperServiceDemo | | |
| **Project Date:** | 10/10/2022 | **Blue Letter Number:** |  |
| **Initiating Department:** | NA | **Project Size:** | NA |
| **Business Project Sponsor:** | NA | **Project Manager:** | NA |
| **Business Lead:** |  | **IT Lead:** | NA |

## Revision History

Record each Technical Specifications Document revision detailing changes. Number pre-release/draft versions with the convention of 0.x. The initial published release of a document will have a version number of 1.0. Revisions committed after sign-off may be considered scope creep. Such changes may result in schedule delays and increased costs.

|  |  |  |  |
| --- | --- | --- | --- |
| **Version #** | **Date** | **Author** | **Description** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Technical Specifications Sign-offs

All approval sign-offs are required prior to the completion of the development phase. Create additional tables each time re-approvals occur. If sign-offs are electronic, please save approvals and copy link in the appropriate table row.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Approval Type** | **Date** | **Signed-off By** | **Title** | **Ver #** |
| **Project Manager Sign-off:** |  |  |  |  |
| **IT Lead Sign-off:** |  |  |  |  |
| **QA Lead Sign-off:** |  |  |  |  |
| **Technical Lead Sign-off:** |  |  |  |  |

# Introduction

The purpose of this service is to fetch the data for the provided Dealer Code by invoking stored procedure in STARS DB.

## Purpose

The purpose of this service is to fetch the data for the provided Dealer Code.

## Scope of Solution

**In-Scope Technical Specifications**

* Get the data for the provided Dealer Code

### Out-of-Scope Technical Specifications

* Take the assign activity in which the Input Dealer Code is specified.
* Take Service Callout which invokes the Database Procedure.
* Another Assign activity with Response Variable is specified.

## Project Description

The purpose of this service is to fetch the data for the provided Dealer Code by invoking stored procedure in STARS DB.

### The following Web Services/MW components are part of this project

* STARS\_FIWrapperServiceDemo 🡪 OSB Service

### SVN Location of the source code (for all objects used in the project)

### C:\SVN\OnPrem\STARS\_FIWrapperServiceDemo

## High Level Design

This section of the document provides a high-level overview of the solution as well as component level details. The audience for this section of the document will likely gain a greater level of understanding of the solution and the components.

# Precondition

List required database setup, service setup, any conversion, post conversion etc or provide reference to separate document

* Below DB procedure should be available and accessible through x\_fmw user in database.
  + SAS\_FIA\_FI\_MGR\_API.GET\_FI\_MANAGER

# Technical Design

In this section, please provide all relevant technical information, a list of webservices or other components that comprise the solution and as many details or attributes of those components as possible. Keep in mind, this document will provide the basis for support personnel in the future and the details you provide will help to maintain system stability and up-time.

Please list in the below table each of the components involved and then each section that follows should describe each of the components.

Also include the design consideration (reason for proposed design)

|  |  |  |  |
| --- | --- | --- | --- |
| # | Project Name | Component/Service name | Description |
| 1 | STARS\_FIWrapperServiceDemo | STARS\_FIWrapperServiceDemoPS.proxy | Proxy Service |
| STARS\_FIWrapperDemoDBAdapterBS.bix | Service that refers STARS stored procedure |
| STARS\_FIWrapperServiceDemoPP.pipeline | Pipeline |

## STARS\_FIWrapperServiceDemo

### General Info

STARS\_FIWrapperServiceDemo is wrapper service where it invokes the STARS Database to fetch some data for the given input.

* Input Variable is assigned.
* Invoke the “SAS\_FIA\_FI\_MANAGER\_API.GET\_FI\_MANAGER
* Sends the response from STARS DB.

#### High Level Architecture Diagram

### End-point URI

http://soa036.subaru1.com:8011/ex/STARS\_FIWrapperServiceDemoPS

### Payload Source ( use the below examples and add details)

### Inputs

### Validations

#### Add schema if validation is involved





#### List additional validations

-NA

#### List fault conditions and error messages

| Status Code | Status Message | Description |
| --- | --- | --- |
| 0 | Success |  |
| 201 | <<Status Message>>  Could not derive F&amp;I Manager for Retailer string |  |

### Transformations (inbound) (optional)

#### Data Mapping

-NA

#### Java Embedding – purpose, design details

-NA

### Transformations (outbound)

### NA

### Data Mapping

As described in the below mapping table data needs to be passed.

### Java Embedding – purpose, design details

-NA

### Configuration details

Configurations file not required as we are interacting with only STARS DB.

### Transactions

Scope of the transaction

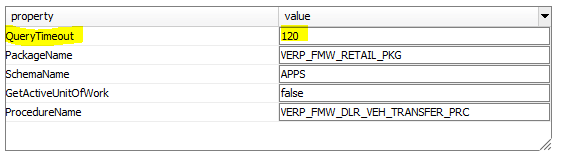
Describe if the process participates in Global transactions

-NA

### Database Actions or Publishing Messages or file generation or file transfer etc

Below Procedure processing the request and inserting into STARS tables.

* Stored Procedure: SAS\_FIA\_FI\_MGR\_API.GET\_FI\_MANAGER
  + Database procedure execution time would be expired as configured below.



### Response

The input/out format of the service is XML. And below is the response structure for each operation.

Diagram

Description automatically generated

### Logs

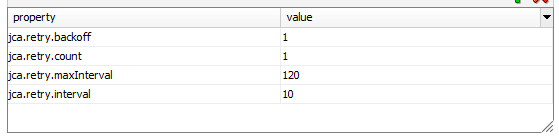
**NA**

Alerts and Notifications

NA

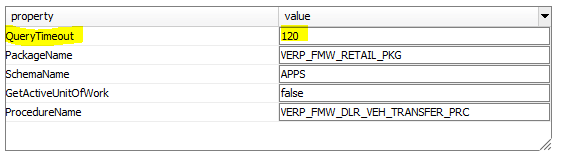
### Retry Policy

As we are interacting with DB procedure, configured retry parameters for the respective business service as mentioned in below screen shot.



### Connection Timeout

Database procedure execution time would be expired as configured below.



### Security

**NA**  
**Exposed Externally**- YES

### Work Manager

Work manager has been configured, below is the work manager configuration for your reference.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Work Managers Configuration** | | | | |
| S.No | Name | maxThread | minThread | Target |
| 1 | STARS\_FIWrapperDemod \_BS\_WM | 25 | 0 | osb\_cluster |
| 2 | STARS\_FIWrapperServiceDemo \_PS\_WM | 25 | 0 | osb\_cluster |

### Dependencies

This Project has used the

* **RDRAlertDestination.alert** from the \_STARSCommonArtifacts project.
* **ErrorHospital** Project which is located under \_STARSCommonArtifactsApp.