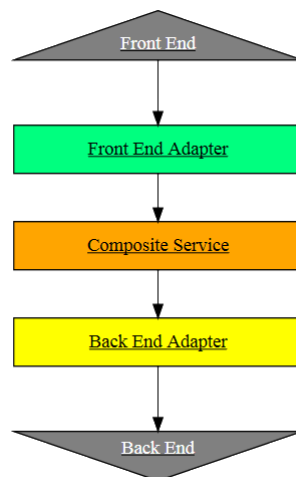




## Interface Control Document For the FEA adapter used in the Sample Project



Date:  
14-02-2015

Voortreffelijk  Daar heb je Baat bij!



## Document Version history

Version	Date	Author	Remarks
V0.1	14-02-2015	SoaVis	First Draft

## Related Documents

Reference	Document
[SD_CS_Sample]	SVT_SD_CS_Sample
[SD_CS_Publisher]	SVT_SD_CS_Publisher
[SD_CS_SampleAsynchronous]	SVT_SD_CS_SampleAsynchronous

## Table of contents

1	Introduction .....	4
1.1	Project Information .....	4
2	Generic Interface Specification .....	5
2.1	Introduction .....	5
2.1.1	Definitions.....	5
2.2	Adapter Functional Requirements .....	5
2.3	Adapter Non Functional Requirements.....	5
2.4	Example messages .....	5
3	Project Specific Interface Specification .....	6
3.1	Project Generic Settings.....	6
3.1.1	Project specific header information for a request message .....	6
3.1.2	List of services used.....	6
3.2	Interface Specification for CS_Sample .....	6
3.2.1	Service Information .....	6
3.2.1.1	Service Description .....	6
3.2.1.2	Service Characteristics .....	6
3.2.1.3	Service Classification.....	6
3.2.1.4	Document Version History .....	7
3.2.2	Usage of CS_Sample.....	7
3.2.2.1	Request Message CS Sample .....	7
3.2.2.2	Response Message CS_Sample .....	7
3.2.2.3	Returned Errors .....	8
3.3	Interface Specification for CS Publisher .....	8
3.3.1	Service Information .....	8
3.3.1.1	Service Description .....	8
3.4	Interface Specification for CS SampleAsynchronous .....	8
3.4.1	Service Information .....	8
3.4.1.1	Service Description .....	8

## 1 Introduction

This document specifies the interfaces for the FEA adapter used in the Sample Project.

### 1.1 Project Information

This Sample project is meant to explain the SOA Visualization Tool.

## 2 Generic Interface Specification

### 2.1 Introduction

This section describes a generic Frontend Adapter interface, based on SOAP messages.

#### 2.1.1 Definitions

The terms and abbreviations used in this document.

Term or abbr.	In full	Description
<b>BE</b>	Back-End	The Back-End system receiving requests from the BEA
<b>BEA</b>	Back -End Adapter	A back end adapter that provides an umbrella structure for the services invoked on the BE.
<b>BES</b>	Back -End Services	Back End specific services that are available via the BEA.
<b>EAI</b>	Enterprise Application Integration	
<b>FE</b>	Front End	The Front End system sending requests to the FEA.
<b>FEA</b>	Front End Adapter	A generic adapter that provides an umbrella structure for the application-specific FES's.
<b>FES</b>	Front End Services	Front End specific services that are available via the FEA.
<b>SOAP</b>	Simple Object Access Protocol	SOAP is a lightweight protocol for exchange of information in a decentralized, distributed environment.
<b>XML</b>	Extensible Markup Language	See " <a href="http://www.w3.org/TR/xml">http://www.w3.org/TR/xml</a> ".

### 2.2 Adapter Functional Requirements

This section specifies the functional requirements for this specific front end adapter.

### 2.3 Adapter Non Functional Requirements

This section specifies the non-functional requirements for this specific front end adapter.

### 2.4 Example messages

This section presents some examples of request and response messages.

### 3 Project Specific Interface Specification

#### 3.1 Project Generic Settings

This section is used to explain the information common for all services used in this project via this adapter.

The following sections contain information on the specific settings for this project.

##### 3.1.1 Project specific header information for a request message

All services used in this project are using the FEA adapter. The following table contains the project specific information that is used to fill the header fields. Note that only the generic header fields are specified that are common to all services used in this project. Service specific fields are specified in the following sections where the services are defined.

##### 3.1.2 List of services used

This section lists all services used in this project via this adapter.

- CS\_Sample
- CS\_Publisher
- CS\_SampleAsynchronous

#### 3.2 Interface Specification for CS\_Sample

##### 3.2.1 Service Information

###### 3.2.1.1 Service Description

This is the description of the functionality of the service.

###### 3.2.1.2 Service Characteristics

Characteristic	Description
<b>Service name</b>	CS_Sample
<b>Service version</b>	1
<b>Document version</b>	0.1.0

###### 3.2.1.3 Service Classification

Property	Value
<b>Visibility</b>	Public
<b>Deprecated</b>	No
<b>Interaction</b>	Asynchronous
<b>SOx_Sensitive</b>	No
<b>ModelStatus</b>	Operable

### 3.2.1.4 Document Version History

Version	Date	Author	Description
0.1.0	12-11-2014	SoaVis	Created as a sample for explaining the SOA Tool.

### 3.2.2 Usage of CS\_Sample

#### 3.2.2.1 Request Message CS Sample

Field	Card	Type	Note
1 CS_Sample.1RequestMessage	1		
2 Header	0 .. 1		
2 Body	1		
3 Request	1	CS_Sample.1RequestType	
4 ENTITY	0 .. 1	ENTITY	One or more entities may appear here. The other elements which are children of the BODY element are some example elements to demonstrate the handling of the different types.
5 DATE_ELEMENT	1	dateTime	This is an element of basic type xsd:dateTime as all date elements are of type dateTime.

#### 3.2.2.2 Response Message CS\_Sample

Field	Card	Type	Note
1 CS_Sample.1ResponseMessage	1		
2 Header	0 .. 1		
2 Body	1		
3 Response	1	CS_Sample.1ResponseType	
4 ENTITY	0 .. 1	ENTITY	One or more entities may appear here. The other elements which are children of the BODY element are some example elements to demonstrate the handling of the different types.
5 DATE_ELEMENT	1	dateTime	This is an element of basic type xsd:dateTime as all date elements are of type dateTime.
3 Result	1	Result	
4 ErrorCode	1	Integer	The ErrorCode can be either '0' indicating OK or non-'0' indicating not OK.
4 ErrorDescription	0 .. 1	String	The ErrorDescription contains the textual description of the error situation.

### 3.2.2.3 Returned Errors

ErrorCode	ErrorDescription
01	Service not available
02	Connection not found
03	Invalid Service Request
04	Non specific error
05	Invalid field value

## 3.3 Interface Specification for CS Publisher

### 3.3.1 Service Information

#### 3.3.1.1 Service Description

This is the description of the functionality of the service.

## 3.4 Interface Specification for CS SampleAsynchronous

### 3.4.1 Service Information

#### 3.4.1.1 Service Description

This is the description of the functionality of the service.