

My training by tutorial
from developers.sap.com

<https://developers.sap.com/tutorials/aif-proxy-monitoring-interface-create..html>

Create a Simple Proxy Interface

PART 2

- Instructions and codes are taken from tutorial "Create a Simple Proxy Interface" (<https://developers.sap.com/tutorials/>).
All screenshots made from my own development performed via this tutorial

CREATE INTERFACE

While still in **Customizing** (transaction code **/n/AIF/CUST**), navigate to **Interface Development > Define Interfaces**. In the upcoming dialog, enter your previously created namespace **DEMO_2** and press **Enter**.

Select **New Entries** and enter the following parameters based on your proxy class and implementation.

You can double-check this information in transaction code **SPROXY**

Be aware that entering the **Proxy Class Inbound** automatically fills in **Raw Data Structure**, **Record Type in Raw Structure**, and **Proxy Method**.

Field name	Description	VALUE
Interface Name	Name of the interface to be created, for example (an abbreviation of) the basic type	FLBOOK
Interface version	Version number of the interface	1
Description	Description of the interface	Demo interface 1 for Proxy tutorial
SAP Data structure	Input substructure of the proxy class	SXIDAL_FBO_REQUEST
Raw Data structure	Input structure of the proxy class	SXIDAL_FBO_REQUEST_MT
Record Type in Raw Structure	Main component of the raw data structure	FLIGHT_BOOKING_ORDER_REQUEST
Proxy Class Inbound	Name of the proxy class	ZAIF_CL_FLIGHT_BOOKING_01_IN
Proxy Method	Method name of the generated proxy class	POST_BOOKINGS_01
Interface Direction	Indicates the direction of the interface	Inbound

Save your changes.



Namespace

DEMO_2

Documentation

No display authorizatio

Interface Name

FLBOOK

Interface Version

1

Define Interfaces

Description

Demo interface 1 for Proxy tutorial

SAP Data Structure

SXIDAL_FBO_REQUEST

Raw Data Structure

SXIDAL_FBO_REQUEST_MT

Record Type in Raw Structure

FLIGHT_BOOKING_ORDER_REQUEST

☐ Move Corresponding Structures

Check Function Module

Init Function Before Mapping

Init Function Before Processing

Separate Commit

No Separate Commit

Lifetime of Application Log

☐ Test Mode

Proxy Class Inbound

ZAIF_CL_FLIGHT_BOOKING_01_IN

Proxy Class Outbound

Proxy Method

POST_BOOKINGS_01

Field for the Sending System

Status Handling

☐ Pre-Processing☐ Proxy XML Transformation

Interface Direction

Inbound

Display Service Provider FlightBooking_01_In

Proxy Edit Goto Utilities System Help



Repository Browser

Repository Information System

Enterprise Services Browser



Name	Additional Info
⊕ http://sap.com/srt/scenrio/t	
⊕ http://sap.com/xi/BASIS/Cu	
⊕ http://sap.com/xi/SAPSCORI	
⊕ http://sap.com/xi/SD-SLS	
⊕ http://soapRuntime/Test	
⊕ http://srt.sap.com/test	
⊕ http://test	
⊖ http://tutorial.com/aif	
⊕ SWCs	
⊕ Packages	
⊖ Object Types	
⊖ Service Providers	
⊕ SWCs	
⊕ Packages	
⊖ Objects	
⚠ FlightBookin	http://tutorial.com/aif
⊕ Service Def. (auto.ger	
⊕ Objects	
⊕ ...	
⊕ Object Types	
⊕ Objects	
⊕ SWCs	
⊕ Packages	
⊕ Namespaces	

Service Provider FlightBooking_01_In Active

Properties External View Internal View Objects Configuration WSDL Classifications

Service Provider

Name	FlightBooking_01_In
Namespace	http://tutorial.com/aif
ABAP Object	INTF Interface
ABAP Name	ZAIF_II_FLIGHT_BOOKING_01_IN
Prefix	ZAIF_
Source	Backend Metadata Repository
Description	
Implementing Class	ZAIF_CL_FLIGHT_BOOKING_01_IN
WebService Definition	ZFlightBooking_01_In

General Data

Package	ZST1_AIF_TUT			
Original Language	EN English			
Release Status	Not Released			
Created by	STUDENT001	on	06/13/2025	16:29:26
Changed by	STUDENT001	on	06/14/2025	08:11:57

SPECIFY INTEERFACE ENGINES

Next, you have to select the engines that should be used to handle the messages that are processed.

If you create a new interface, by default, SAP Application Interface Framework handles the messages as proxy messages, so you can keep the default settings.

To double-check the settings, go to **Customizing** for SAP Application Interface Framework (transaction code **/AIF/CUST**)

and navigate to **Interface Development > Additional Interface Properties > Specify Interface Engines**.

In the upcoming dialog, enter your beforehand created namespace **DEMO_2**, and press **Enter**.

Check that the following engines are preselected:

Display IMG

Implementation Activities Edit Goto Additional Information Utilities System











Existing BC Sets BC Sets for Activity Activated BC Sets for Activity







Structure

- SAP Application Interface Framework
 - Interface Development
 - Define Namespace
 - Define Interfaces
 - Additional Interface Properties
 - Specify Interface Engines
 - Define Fields for Read Log
 - Assign IDoc Types
 - Map IDoc Status to AIF Processing Status

Change View "Define Interfaces (Engine Fields)": Details

Table View Edit Goto Selection Utilities System Help

Namespace

Interface Name

Interface Version

Define Interfaces (Engine Fields)

Description	<input type="text" value="Demo interface 1 for Proxy tutorial"/>
Application Engine	<input type="text" value="Proxy"/>
Namespace	<input type="text" value="DEMO_2"/>
Customer Engine	<input type="text"/>
Persistence Engine	<input type="text" value="Proxy"/>
Namespace	<input type="text"/>
Customer Engine	<input type="text"/>
Selection Engine	<input type="text" value="AIF Index Tables"/>
Namespace	<input type="text"/>
Customer Engine	<input type="text"/>
Logging Engine	<input type="text" value="AIF Application Log"/>
Namespace	<input type="text"/>
Customer Engine	<input type="text"/>

Create interface-specific single index table

It's recommended to implement an interface-specific single index table to ensure full flexibility, especially if you expect a high load of messages or if you plan to define key fields for your interface (now or later).

1. Create a table via transaction **SE11**. You can use table **/AIF/STD_IDX_TBL** as a template by entering **/AIF/STD_IDX_TBL** in the field **Database table**, right-clicking it and selecting **Copy....** Enter the name **ZFLBOOK_MON_IDX** for the new table and select **Continue**. When prompted, enter package **ZDEMO**, which you created earlier.
2. After creating the single index table, activate it by selecting **Display** and then **Activate**.

Dictionary: Change Table

Table Edit Goto Utilities Extras Environment System Help



Transparent Table ZFLBOOK_MON_IDX Active

Short Description Standard index table

Attributes Delivery and Maintenance Fields Input Help/Check Currency/Quantity Fields Indexes

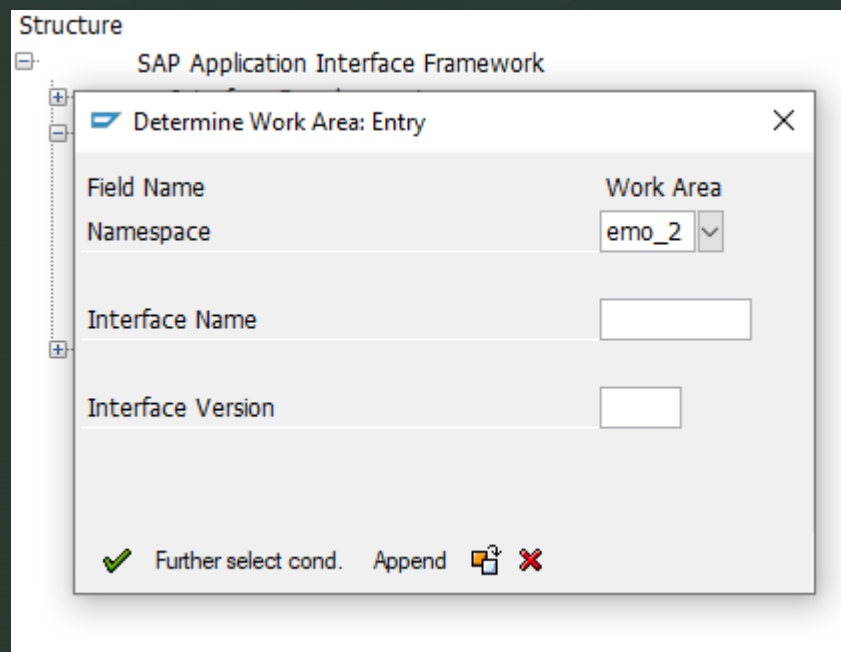
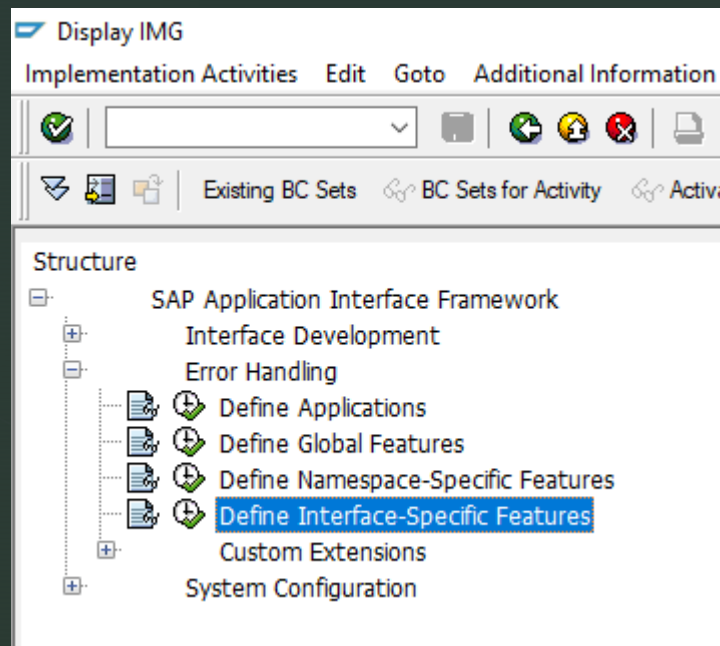


Srch Help

Built-In Type

1 / 41

Field	Key	Initi...	Data element	Data Type	Length	Decim...	Coordinate	Short Description	Group
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	0	Client	
MSGGUID	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	GUID_32	CHAR	32	0	0	GUID in 'CHAR' Format in Uppercase	
. INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/IFKEYS	STRU	0	0	0	Keys	AIFKEYS
NS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NS	CHAR	6	0	0	Namespace	
IFNAME	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/IFNAME	CHAR	10	0	0	Interface Name	
IFVER	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/IFVERSION	CHAR	5	0	0	Interface Version	
. INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/ADMIN	STRU	0	0	0	Additional information structure (be appent to tran. table)	ADMIN
. INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/ADDITIONAL	STRU	0	0	0	Additional information structure (be appent to tran. table)	ADD_1
NUMBEROFABORTS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NUMBEROFABO	INT4	10	0	0	Abort Number	
NUMBEROFERRORS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NUMBEROFFERR	INT4	10	0	0	Error Number	
NUMBEROFWARNINGS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NUMBEROFWAR	INT4	10	0	0	Warning Number	
NUMBEROFSUCCESS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NUMBEROFSUC	INT4	10	0	0	Success Number	
NUMBEROFINFOS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NUMBEROFINF	INT4	10	0	0	Information Number	
. INCLUDE	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/ADDITIONAL	STRU	0	0	0	Additional information structure (be appent to tran. table)	ADD_2
NSRECIP	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/NS	CHAR	6	0	0	Namespace	
RECIPIENT	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/ALRT_REC	CHAR	30	0	0	Alert Management Recipient	
STATUS	<input type="checkbox"/>	<input type="checkbox"/>	/AIF/PROC_STATUS	CHAR	1	0	0	Processing Status	



[Change View "Define Key Fields for Multi. Search": Overview](#)

Table View	Edit	Goto	Selection	Utilities	System	Help
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Dialog Structure

- Define Key Fields for Multi. Search
 - Key Field-based Navigation: Main
 - Assign Recipients Without Key Field
- Assign authorization objects to AIF
 - Assign authorization fields to key
- Define Changeable Fields
- Define Structure Labels
- Hide Structures
- Hide Fields of Structure

Namespace

DEMO 2

Interface Name

Interface Version

[illegible]

New Entries: Details of Added Entries

Table View Edit Goto Selection Utilities System Help



Dialog Structure

- Define Interface-Specific Features
- Configure Alerts
- Define Recipients**
- Define Changeable Fields
- Define Structure Labels
- Hide Structures
- Hide Fields of Structure

Namespace

DEMO_2

Recipient for Alert

ZPROXY_TEST_RECIPIENT

Define Recipients

Alert Recipient Description

Proxy Test Recipient

URL

ASSIGN RECIPIENT TO INTERFACE

To be able to see any data in the Interface Monitor or the Message Dashboard, a recipient must be assigned to the interface you want to monitor.

Go to **Customizing** (transaction code **/AIF/CUST**) and navigate to **SAP Application Interface Framework > Error Handling > Define Interface-Specific Features**. Enter or select your namespace **DEMO_2**, as well as your interface name **FLBOOK** and interface version **1**. Select **Continue**.

In the menu on the left, double-click **Assign Recipients Without Key Fields** and create a new entry. Enter or select the namespace and the recipient you created before.

New Entries: Overview of Added Entries

Table View Edit Goto Selection Utilities System Help

✓ [Dropdown] [Save] [Refresh] [Undo] [Redo] [Print] [Zoom In] [Zoom Out] [Find] [Help]

[Edit] [New] [Copy] [Paste] [Delete] [Insert]

Dialog Structure

- Define Key Fields for Multi. Search
 - Key Field-based Navigation: Maintain Parameters
- Assign Recipients Without Key Fields
- Assign authorization objects to AIF interfaces
 - Assign authorization fields to key fields
- Define Changeable Fields
- Define Structure Labels
- Hide Structures
- Hide Fields of Structure

Namespace: DEMO_2

Interface Name: FLBOOK

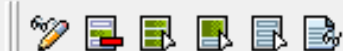
Interface Version: 1

Assign Recipients Without Key Fields

Namespace	Recipient for Alert
DEMO_2	ZPROXY_TEST_RECIPIENT

New Entries: Overview of Added Entries

Table View Edit Goto Selection Utilities System Help



Dialog Structure

- Define Key Fields for Multi. Search
 - Key Field-based Navigation: Maintain Parameters
- Assign Recipients Without Key Fields
- Assign authorization objects to AIF interfaces
 - Assign authorization fields to key fields
- Define Changeable Fields
- Define Structure Labels
- Hide Structures
- Hide Fields of Structure

Namespace DEMO_2
Interface Name FLBOOK
Interface Version 1

Assign Recipients Without Key Fields

Namespace	Recipient for Alert
DEMO_2	ZPROXY_TEST_RECIPIENT
	▼

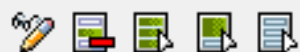
ASSIGN USERS TO RECIPIENT

Now the users in charge of monitoring the proxy must be assigned to the recipient.

Run transaction **/AIF/MYRECIPIENTS** and create a new entry. Select the namespace **DEMO_2** and recipient **ZPROXY_TEST_RECIPIENT** you created in the steps before. Check the boxes for **Overview** and **Technical User**.

New Entries: Overview of Added Entries

Table View Edit Goto Selection Utilities System Help



Recipients of Current User					
NS	Recipient for Alert	Msg. Type	Overview	Tech. Usr	Alert Recipient Description
DEMO_2	ZPROXY_TEST_RECIPIENT	Application Error or Technic	<input type="checkbox"/>	<input type="checkbox"/>	
		Application Error or Technic	<input type="checkbox"/>	<input type="checkbox"/>	

CREATE TEST DATA

Before you can create flight bookings, you need to generate test data. To do so, run transaction **BC_DATA_GEN**, select the standard data record, and execute the report.

Create Data for Flight Data Model

List Edit Goto System Help

☒

18 New entries in table SCARR
10 New entries in table SCURX
62 New entries in table SGEOCITY
53 New entries in table SAIRPORT
57 New entries in table SCITAIRP
34 New entries in table SAPLANE
3 New entries in table SCPLANE
4,637 New entries in table SCUSTOM
50 New entries in table STRAVELAG
1,441 New entries in table SCOUNTER
26 New entries in table SPFLI
33 New entries in table SFLCONNPOS
24 New entries in table SFLCONN
30 New entries in table SCARPLAN
522 New entries in table SMEAL
630 New entries in table SMEALT
126 New entries in table SSTARTER
270 New entries in table SMACOURSE
126 New entries in table SDESSERT
180 New entries in table SMENU
437 New entries in table SBOOK
427 New entries in table SBOOK
425 New entries in table SBOOK
437 New entries in table SBOOK
437 New entries in table SBOOK
431 New entries in table SBOOK
437 New entries in table SBOOK
437 New entries in table SBOOK
152 New entries in table SBOOK
206 New entries in table SBOOK
37 New entries in table SBOOK
45 New entries in table SBOOK
0 New entries in table SBOOK
377 New entries in table SBOOK
380 New entries in table SBOOK

Create Data for Flight Data Model



Dataset

		Approximate Number of Entries		
		SPFLI	SFLIGHT	SBO...
Delete Table Entries	<input type="radio"/>	0	0	0
Minimum Data Record	<input type="radio"/>	14	95	28,500
Standard Data Record	<input checked="" type="radio"/>	26	350	100,000
Maximum Data Record	<input type="radio"/>	46	1300	274,000
Monster Data Record	<input type="radio"/>	46	4900	1,300,000

Large data records can only be created in the background.

☒ Canceled Entries in SBOOK



TO BE CONTINUED

