

How to Create Parameter Transactions for the Error Handling Transaction



Applies to:

SAP Application Interface Framework 2.0

Summary

This document describes how the base transaction enables you to create a specific transaction code (parameter transaction) by calling the base transaction with a certain number of reserved parameters.

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Table of Contents

Introduction	3
Create a Specific Error Handling Transaction Code	4
Related Content	6
Copyright.....	7

Introduction

For both, error handling and value mapping transaction a base transaction is provided. You can use the base transaction to create parameter transactions. Using a parameter transaction, the base transaction can be called with a certain number of reserved parameters. Creating a parameter transaction is helpful for example if you have business users that are only responsible for monitoring one interface. Instead of using transaction code /AIF/ERR, they could call a parameter transaction where the interface is already pre-filled or the selection screen even is completely skipped.

This document will create an example transaction ZAIF_ERROR_HANDLING that will call the base transaction with a certain number of reserved parameters. The example will look like the transaction displayed in **Error! Reference source not found.**

Transaction code: ZAIF_ERROR_HANDLING

Package: \$TMP

Transaction text: AIF error handling transaction

Default values for

Transaction: /AIF/ERR_BASE

Skip initial screen

Obsolete: Use default values for transaction

Screen:

From module pool:

Classification

Inherit GUI attributes

Transaction classification

Professional User Transaction

Easy Web Transaction Service

Pervasive enabled

GUI support

SAPGUI for HTML

SAPGUI for Java

SAPGUI for Windows

Default Values

Name of screen field	Value
P_STS_I	X
P_STS_S	X
P_STS_W	X
P_STS_E	X
P_STS_A	X
P_STS_C	X
P_MAX	1000
P_NAME1	P_APPL
S_VALUE1-LOW	AIF

Figure 1: Parameter Transaction ZAIF_ERROR_HANDLING

Error Handling Base

If you create a parameter transaction for transaction /AIF/ERR_BASE, the Error Handling transaction can be triggered directly using the created parameter transaction code.

By using the parameter selection, you are able to decide whether or not the selection screen Monitoring and Error Handling is shown. It is also possible, for example, to select the message status that is to be displayed to the user. Nine additional selection parameters are also available.

Value Mapping Base

If you create a parameter transaction for transaction /AIF/VMAP_BASE, you are able to trigger Value Mapping directly using the created parameter transaction code.

By using the parameter selection, you are able to decide whether or not the selection screen of Value Mapping is displayed and whether the transaction is to start in display or in change mode.

Create a Specific Error Handling Transaction Code

Create a parameter transaction in the *Object Navigator* (transaction code SE80) and insert default values for transaction /AIF/ERR_BASE.

In order to create the transaction push button *Edit Object* in the *Object Navigator* and navigate to tab *More...* in the *Object Selection* screen. Enter the code of the new error handling transaction and press *Create(F5)*. After clicking *Create* another popup is displayed. You have to enter a *Short text*, for example "AIF Error Handling Transaction". Choose option *Transaction with parameters (parameter transaction)*.

After you have entered the Transaction /AIF/ERR_BASE on the following *Create Parameter Transaction* screen and set the *Skip initial screen* flag you have to specify the GUI Support. Therefor mark all three options for the SAPGUI for HTML, Java and Windows.

Skip first screen (P_SKIP) can be selected if you do not want to display the selection screen of the error handling transaction. Using a variant name (P_VAR), a specific variant that was defined in the *Monitoring and Error Handling* transaction is called.

By selecting *Protect Interface Fields (P_IFPROT)*, you set all interface fields to *read-only*. The *Number of days* field (P_NRDAY) defines the standard date range that will be selected as default if you do not change the range. The *Max. Number of messages* field (P_MAX) is the default value for messages selected in the *Monitoring and Error Handling* transaction.

The following checkboxes define the default values of message statuses that are selected in the *Monitor and Error Handling* transaction:

- *In process (P_STS_I)*
- *Processed Successfully (P_STS_S)*
- *Processed with Warnings (P_STS_W)*
- *Application Errors (P_STS_E)*
- *Technical Errors (P_STS_A)*
- *Canceled Messages (P_STS_C)*

The *Selection Parameter Name 1* to *Selection Parameter Name 9* fields define the selection parameters of the Application Specific Selection. For Application AIF those parameter names are P_NS, S_IFNAME and P_IFVERS. If a value is entered as the *Selection Parameter Value*, this value is displayed as the default when the *Monitoring and Error Handling* transaction is called.

An example for using the selection parameters could be to predefine the fields of application, namespace, interface name, interface version and the checkboxes of the message statuses in the error handling transaction.

Name of screen field	Value
P_STS_I	X
P_STS_S	X
P_STS_W	X
P_STS_E	X
P_STS_A	X
P_STS_C	X
P_MAX	1000
P_NAME1	P_APPL
S_VALUE1-LOW	AIF
P_NAME2	P_NS
S_VALUE2-LOW	DEMO
P_NAME3	S_IFNAME
S_VALUE3-LOW	FLIGHTBOOK
P_NAME4	P_IFVERS
S_VALUE4-LOW	1

Table 1: Default Values

Related Content

[SAP Application Interface Framework – Cookbook](#)

[SAP Application Interface Framework – Parameter Transactions](#)

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