Syniti Solutions

SAP S/4HANA Transports for Stewardship Tier

Version 7.1

BackOffice Associates, LLC DBA Syniti
info@Syniti.com
www.Syniti.com

Syniti

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Overview

NOTE: This document applies to Syniti Solutions versions 7.1 and later.

Syniti provide a series of SAP Transports that offer specific functionality that enhance the capabilities of the DSP. These transports are saved to the following location during the installation of the Stewardship Tier: -
{Installation Directory}\BOA\DSP\Web\UserArea\0151a30b-2dd0-48ae-823d-d378e1ff5c05\SAP_Transports\Namespace
The details of these transports are documented in corresponding document sections below.

Transport Installation Sequence

In circumstances where SAP S/4HANA is being used as a data Source or Target, the following transports need to be installed in the order listed below: -

Transport 1: RD2K900018

This transport creates the /BOA/ SAP Namespace Object that is used subsequent namespace transports. Strictly speaking, this transport only needs to be installed if other transports fail due to permission issues that prevent them from creating the namespace.

- File 1 - K900018.RD2
- File 2 - R900018.RD2

Transport 2: RD2K9A00U1

- File 1 - K9A00U1.RD2
- File 2 - R9A00U1.RD2

Transport 3: DCSK900079

- File 1 - K900079.DCS
- File 2 - R900079. DCS

Transport 4: DCSK900242

- File 1 - K900242.DCS
- File 2 - R900242.DCS

Transport 5: DCSK900161

- File 1 - K900161.DCS
- File 2 - R900161.DCS

Transport 6: DCSK900353 (Optional)

- File 1 - K900353.DCS
- File 2 - R900353.DCS

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Transport 7: DCSK900419 (Optional)

- File 1 - K900419.DCS
- File 2 - R900419.DCS

Transport 8: RD2K9A00Z8 (Optional)

- File 1 - K9A00Z8.RD2
- File 2 - R9A00Z8.RD2

Transport 9: DCSK900279 (Optional)

- File 1 - K900279.DCS
- File 2 - R900279.DCS

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Transport RD2K900018 (Namespace)

SAP Namespace Object

SAP Namespace Object	Description
/BOA/	/BOA/ is a SAP Namespace Object for use by later BOA namespace transports.

Please note, this transport is not commonly required and only installed if the other BOA namespace transports fail (i.e. Transport 2). The reason for this is that non-default permissions prevent the other namespace transports from creating the namespace itself and this transport remedies that.

Transport RD2K9A00U1 (Namespace)

Package

/BOA/DSP_INTEGRATE

/BOA/DSP_INTEGRATE is a container for a group of related objects.

Function Group

/BOA/FG_EZPOST

/BOA/FG_EZPOST is a Function Group which contains the following Function Modules:

- /BOA/DSP_INTEGRATE_SUBMIT
- /BOA/DSP_INTEGRATE_GETSTATUS

Tables

- /BOA/BAPILOG
- /BOA/EP_DIRECT
- /BOA/EP_IDOC
- /BOA/EP_PARAM
- /BOA/EP_RETURN
- /BOA/EP_SESSIONS
- /BOA/EP_STATUS
- /BOA/EP_SUMMARY

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Transport DCSK900079 (Namespace)

Package

Package	Description
/BOA/BDCDIRECT	/BOA/BDCDIRECT is a container for a group of related objects.
/BOA/UTILITY	/BOA/UTILITY is a container for a group of related objects.

Lock Object

Lock Object	Description
/BOA/EZZBDCLOG	/BOA/ZBDCPROCESS uses this exclusive lock of table /BOA/ZBDCLOG for queue processing. It prevents the double processing of a file.

Programs

Program	Description
/BOA/ZBDCFILEGET	This program examines a specified directory for all files, those files that match a particular pattern or a specific file. It retrieves the list on requested files, moves the files to the parent directory and places the file and new directory information on the queue – the R/3 'Z' table /BOA/ZBDCLOG. If a wait time is specified, after waiting the particular interval, it will repeatedly check the specified directory after clearing it and process new files listed. In this case the program can be terminated by executing program /BOA/ZBDCSTOP with the appropriate settings.
/BOA/ZBDCPROCESS	This program reads a tab-delimited file into an internal table that it passes to Function Module /BOA/Z_BOA_INTERFACE_PROCESS_TABLE for processing. It will read from either the front-end PC or from the AppServer. If Queue Processing is specified, all the files in the queue will be processed. If a wait time is specified, after waiting the specified interval, it will repeatedly check the queue after clearing it and process new files listed. In this case the program can be terminated by executing program /BOA/ZBDCSTOP with the appropriate settings.
/BOA/ZBDCSTOP	This program sets the value of the "BDCPROCESSSTATE" parameter in the /BOA/ZBOAPARAMS table. The state of this parameter permits the running of the ZBDC process or causes its graceful termination.
/BOA/ZBDC_CLEAR_HISTORY	This program empties the /BOA/ZBDCLOGHIST table based upon parameters supplied on the screen. This prevents excessive table growth. It should be scheduled as a regular job.
/BOA/ZBDCANALYSIS	This program evaluates log files of BDC sessions and reports on counts of error messages. Users can double click the various lines of the report to either view the entire log file (top section) or all error messages (bottom section).
/BOA/ZDIRECTLOAD	This program is designed to upload a flat file into a Custom table in SAP. It will read the file from Presentation Server or the Application Server. This program provides an option to either delete existing records and append or just append to the existing records in SAP.
/BOA/ZLONGTEXTDOWNLOAD	This program is used to download long text into a text file. The TextObject and Output file are mandatory parameters. Additionally, specify TextName, TextID and TextLanguage as input

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	parameters. The output file can either be placed on the presentation server or the application server. The transaction code to execute this program is /BOA/ZLONGTEXT.
/BOA/ZLONGTEXTDOWNLOADFROMFILE	This program is used to download long text into a text file. This is program is an extension of /BOA/ZLONGTEXTDOWNLOAD program. Output file is mandatory parameters. Input file should be tab delimited file which contains TextObject, TextName, TextID, TextLanguage values as row. The output file can either be placed on the presentation server or the application server.
/BOA/EXTERNAL_TAXJURIS_ADDRCHK	This program returns all tax jurisdiction/district combinations found from input file. You can send in city, state, zip in the input file to return all possible city/district/ tax jurisdiction combinations found in vertex.
/BOA/ONLINE_TAXJURIS_ADDRCHK	This program is used to check the address using RFC destination function call via screen.
/BOA/ZTABLEDOWNLOAD_FILE	This program downloads data from table into a fixed width or delimited file.
/BOA/ZTABLEDOWNLOAD_SCHEDULER	This program is used to schedule SAP table downloads. It checks the table ZTABLEDOWNLOAD to see if there are any tables scheduled for download. If it finds any, it submits a job to execute the program /BOA/ZTABLEDOWNLOAD_FILE
/BOA/IDOC_ANALYSIS	This program is used to Analyze the IDocs created. We can search the IDocs based on the Created date or using IDoc number. After execution of this program an ALV report is displayed with all IDoc statuses.
/BOA/IDOC_ANALYSIS_LSMW	This program is used to list out all the IDocs created using LSMW. It internally calls /BOA/IDOC_ANALYSIS program to display the IDoc statuses as per the user selection.
/BOA/CHILDTABLEDOWNLOAD	This program is used to download all the fields of the Child table based upon the Parent key field values given in the Input file. 1) **Input File (TAB Delimited)** – This file should contain the Parent/Header Table key fields (e.g. MARC Table key fields, if we are downloading MARD details). The first row of the file should contain SAP field name of the key. The file location can be for Presentation server / Application server. 2) **Output File (TAB Delimited)** – After successful execution of the program, the result will be stored in Output File. This file contains all the rows of the Child/Items table data (e.g. MARD) for the above given Parent/Header key fields. The resultant file will contain SAP field names in the first row. The file location can be for Presentation server / Application server. 3) **Table Name** –The USER will pass the table name (e.g. MARD).
/BOA/SAVE_TEST_DATA	

Tables and Structures

Tables

- /BOA/ZBDCLOG
- /BOA/ZBDCLOGHIST
- /BOA/ZBOAPARAMS
- /BOA/TBLDOWNLOAD

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Structures

- /BOA/ZBOA_CALL_TRAN
- /BOA/BAPI_DOC_DRAD
- /BOA/BAPI_DOC_DRAD_KEYS
- /BOA/HELPTEXT
- /BOA/IBIPTEXTLN
- /BOA/SCREENFIELDS
- /BOA/SELECTOPTIONS
- /BOA/TABRECORD

Function Groups

/BOA/ZBOAINTMGR

This Function Group contains the function module /BOA/Z_INTERFACE_PROCESS_TABLE.

/BOA/RFCTABLE

This Function Group contains the following function modules:

- /BOA/ZGET_TABLE_SIZE_RFC
- /BOA/ZRFC_READ_TABLE
- /BOA/ZRFC_READ_TABLE_TEST
- /BOA/ZRFC_READ_TABLE_USING_KEY

Function Module	Description
/BOA/ZGET_TABLE_SIZE_RFC	This Function Module is used to obtain the number of records for a given table.
/BOA/ZRFC_READ_TABLE	This Function Module is used to extract data from any table to which the user was granted access. It is an extension on the standard SAP RFC_READ_TABLE (main statements such as Authorization Check and Select statements are not changed) with extensions including wider output structure, handling of packed and raw fields. Additionally, dynamic coding techniques were employed to cater for non-Unicode systems when calculating the length of the lines to be outputted.
/BOA/ZRFC_READ_TABLE_TEST	This Function Module is used to extract data from any table to which the user was granted access. It is an extension on the standard SAP RFC_READ_TABLE (main statements such as Authorization Check and Select statements are not changed) with extensions including wider output structure, handling of packed and raw fields. This variant has an additional input that allows for faster processing using the target table key. Additionally, dynamic coding techniques were employed to cater for non-Unicode systems when calculating the length of the lines to be outputted.

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/BOA/ZRFC_READ_TABLE_USING_KEY	This Function Module is used to extract data from any table to which the user was granted access. It is an extension on the standard SAP RFC_READ_TABLE (main statements such as Authorization Check and Select statements are not changed) with extensions including wider output structure, handling of packed and raw fields. This variant has an additional input that allows for faster processing using the target table keys.

/BOA/RFCTAXJUR

This Function Group contains the function module /BOA/RFCTAXJUR.

/BOA/RFCTEXT

This Function Group contains the function module /BOA/ZRFC_READ_TEXT.

Function Module	Description
/BOA/ZRFC_READ_TEXT	This Function Module is used to extract Texts from the Data Source using standard SAP Function Module READ_TEXT. It also searches for Object Links and extract texts from those (using READ_TEXT as well) if links are found.

/BOA/TBLDOWNLOAD

This Function Group contains the following function modules:

- TABLEFRAME_/BOA/TBLDOWNLOAD
- TABLEPROC_/BOA/TBLDOWNLOAD

/BOA/HELPTEXT

This Function Group contains the function module /BOA/RFC_GET_HELPTEXT.

/BOA/SCREENINFO

This Function Group contains the function module /BOA/SCREEN_FIELDS_DOWNLOAD.

/BOA/CONVERSION

This Function Group contains the function module /BOA/CONV_IBAN_2_BANK_ACCOUNT.

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Transactions

Transaction	Description
/BOA/ZBDCGET	This transaction code is used to execute "/BOA/ZBDCFILEGET" Program.
/BOA/ZBDCPROCESS	This transaction code is used to execute "/BOA/ZBDCPROCESS" Program.
/BOA/ZBDCSTOP	This transaction code is used to execute "/BOA/ZBDCSTOP" Program.
/BOA/ZBDCANALYSIS	This transaction code is used to execute "/BOA/ZBDCANALYSIS" Program.
/BOA/ZDIRECTLOAD	This transaction code is used to execute "/BOA/ZBOADIRECTLOAD" Program.
/BOA/ZLONGTEXT	This transaction code is used to execute "/BOA/ZLONGTEXTDOWNLOAD" Program.
/BOA/EXTTAXJURIS	This transaction code is used to execute "/BOA/ZBOA_EXTERNAL_TAXJURIS_ADDRCHK" Program.
/BOA/ONLINETAXJURIS	This transaction code is used to execute "/BOA/ZBOA_ONLINE_TAXJURIS_ADDRCHK" Program.
/BOA/DOWNLOAD_SCHED	This transaction code is used to execute "/BOA/ZTABLEDOWNLOAD_SCHEDULER" Program.
/BOA/TABLEDOWNLOAD	This transaction code is used to execute "/BOA/ZTABLEDOWNLOAD_FILE" Program.
/BOA/IDOCLSMW	This transaction code is used to execute "/BOA/IDOC_ANALYSIS_LSMW" Program.
/BOA/IDOC_ANALYSIS	This transaction code is used to execute "/BOA/IDOC_ANALYSIS" Program.

Transport DCSK900242 (Namespace)

Package

/BOA/CORE

Function Groups

/BOA/HELPTEXT

This Function Group contains the function module /BOA/RFC_GET_HELPTEXT.

/BOA/RFCTABLE

This Function Group contains the function modules /BOA/ZGET_TABLE_SIZE_RFC, /BOA/ZRFC_READ_TABLE, /BOA/ZRFC_READ_TABLE_TEST, and /BOA/ZRFC_READ_TABLE_USING_KEY.

/BOA/RFCTEXT

This Function Group contains the function module /BOA/ZRFC_READ_TEXT.

/BOA/ZBOAINTMGR

This Function Group contains the function module /BOA/Z_INTERFACE_PROCESS_TABLE.

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Tables and Structures

Tables

- /BOA/BAPI_DOC_DRAD
- /BOA/BAPI_DOC_DRAD_KEYS
- /BOA/HELPTEXT
- /BOA/IBIPTEXTLN
- /BOA/SELECTOPTIONS
- /BOA/TABRECORD
- /BOA/ZBDCLOG
- /BOA/ZBOA_CALL_TRAN

Transport DCSK900161 (Namespace)

This transport includes changes related to the rebranding of BackOffice Associates to Syniti. There are no functional changes

Programs

- /BOA/ZBDCANALYSIS
- /BOA/ZLONGTEXTDOWNLOAD
- /BOA/ZLONGTEXTDOWNLOADFROMFILE
- /BOA/ZTABLEDOWNLOAD_SCHEDULER

Report Texts

- /BOA/ZBDCANALYSIS
- /BOA/ZLONGTEXTDOWNLOAD
- /BOA/ZLONGTEXTDOWNLOADFROMFILE
- /BOA/ZTABLEDOWNLOAD_SCHEDULER

Packages

- /BOA/ADDRESS
- /BOA/UTILITY

Transport DCSK900353 (Namespace)

This transport guarantees that the returned values from select statements are always ordered by the base table primary keys. The programs impacted by this change are detailed below: -

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Function Modules:

/BOA/ZRFC_READ_TABLE

Transport DCSK900419 (Namespace)

This transport adds an authorization check on tables to be downloaded using function module 'VIEW_AUTHORITY_CHECK'. The programs impacted by this change are detailed below: -

Programs

/BOA/CHILDTABLEDOWNLOAD

Transport RD2K9A00Z8 (Namespace)

Authorization Object

- ZBOA_OBJ

Transport DCSK900279 (Namespace)

This transport contains changes replace the authorization object introduced by RD2K9A00Z8.

When this transport is imported, the authorizations of the technical user utilized to connect DSP to SAP must be maintained accordingly. The new Authorization Object /BOA/FUNC is now checked when running Function Modules /BOA/DSP_INTEGRATE_SUBMIT and /BOA/Z_INTERFACE_PROCESS_TABLE, and the new Authorization Object /BOA/TCODE is now checked when executing transactions /BOA/* (listed below). Programs /BOA/* (listed below) had their Authorization Group changed to /BOA/GRP and this is checked against S_PROGRAM Authorization Object when the program is executed.

Authorization Object

- /BOA/FUNC
- /BOA/TCODE

Authorization Group

- /BOA/GRP

Function Modules

- /BOA/DSP_INTEGRATE_SUBMIT
- /BOA/Z_INTERFACE_PROCESS_TABLE

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Programs

- /BOA/CHILDTABLEDOWNLOAD
- /BOA/EXTERNAL_TAXJURIS_ADDRCHK
- /BOA/IDOC_ANALYSIS
- /BOA/IDOC_ANALYSIS_LSMW
- /BOA/LFG_EZPOSTF02
- /BOA/ONLINE_TAXJURIS_ADDRCHK
- /BOA/ZBDCANALYSIS
- /BOA/ZBDCFILEGET
- /BOA/ZBDCPROCESS
- /BOA/ZBDCSTOP
- /BOA/ZBDC_CLEAR_HISTORY
- /BOA/ZDIRECTLOAD
- /BOA/ZLONGTEXTDOWNLOAD
- /BOA/ZLONGTEXTDOWNLOADFROMFILE
- /BOA/ZTABLEDOWNLOAD_FILE
- /BOA/ZTABLEDOWNLOAD_SCHEDULER

Transactions

- /BOA/DOWNLOAD_SCHED
- /BOA/EXTTAXJURIS
- /BOA/IDOCLSMW
- /BOA/IDOC_ANALYSIS
- /BOA/ONLINETAXJURIS
- /BOA/TABLEDOWNLOAD
- /BOA/ZBDCANALYSIS
- /BOA/ZBDCGET
- /BOA/ZBDCPROCESS
- /BOA/ZBDCSTOP
- /BOA/ZDIRECTLOAD
- /BOA/ZLONGTEXT

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