



Syniti Solutions

Syniti Replicate – Read Table for CData ODBC Driver



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Overview

This document describes the steps required to install the SAP transports needed to extract table data from SAP Systems via RFC using Syniti Data Replication. Additionally, it describes the minimum SAP User requirements that need to be provisioned to allow table data to be extracted using Syniti Data Replication.

Prerequisites

SAP Environment Compatibility ECC6

There are 2 different transports available for SAP ECC6 Systems: -

- Transport RD2K9A011P is compatible with SAP ECC6 SAP Basis 700 – 731.
- Transport DCSK900470 is compatible with SAP ECC6 SAP Basis 740 and higher

SAP Environment Compatibility S/4HANA

Transport S4DK900435 is compatible with SAP installations of S/4HANA 1709 [S4CORE 102] or higher.

SAP RFC User

Syniti recommends using a non-dialog RFC user with a non-expiring password. As a minimum, that user should be provisioned the authorisations shown below.

Extracting Data from SAP ECC Systems

Authorization Object	Authorization Field	Authorization Value
S_RFC	RFC_TYPE	FUNC
	ACTVT	16 (Execute)
	RFC_NAME	/BOA/*, RFC_READ_TABLE, RFCPING, DDIF_FIELDINFO_GET, RFC_GET_FUNCTION_INTERFACE, RSAQ_REMOTE_QUERY_CALL_CATALOG, RSAQ_REMOTE_QUERY_FIELDLIST, /OSP/GET_DECIMAL_NOTATION
S_RFC	RFC_TYPE	FUGR
	ACTVT	16 (Execute)
	RFC_NAME	AQRC

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S_DEVELOP	DEVCLASS	SQUE
	OBJTYPE	FUGR
	OBJNAME	AQRC
	P_GROUP	
	ACTVT	16

Table Access

Use authorisation object S_TABU_NAM to restrict by table. The minimum list of tables required are as follows. Additionally specific tables to be extracted will need to be added.

Authorization Object	Authorization Field	Authorization Value
S_TABU_NAM	TABLE	AQGQCAT, DD01T, DD02L, DD02T, DD03L, DD04L, DD04T, DD05Q, DD07L, DD07T, TCDOB
	ACTVT	03 (Display)

Use authorisation object S_TABU_NAM to restrict by table group. The minimum list of table group are as follows. Additionally specific table groups to be extracted will need to be added.

Authorization Object	Authorization Field	Authorization Value
S_TABU_DIS	DICBERCLS	&NC&, SS
	ACTVT	03 (Display)

Extracting Data from SAP S/4 HANA Systems

Authorization Object	Authorization Field	Authorization Value
S_RFC	RFC_TYPE	FUNC
	ACTVT	16 (Execute)
	RFC_NAME	/BS4/*, RFC_READ_TABLE, RFCPING, DDIF_FIELDINFO_GET, RFC_GET_FUNCTION_INTERFACE, RSAQ_REMOTE_QUERY_CALL_CATALOG, RSAQ_REMOTE_QUERY_FIELDLIST, /OSP/GET_DECIMAL_NOTATION
S_RFC	RFC_TYPE	FUGR



	ACTVT	16 (Execute)
	RFC_NAME	AQRC
S_DEVELOP	DEVCLASS	SQUE
	OBJTYPE	FUGR
	OBJNAME	AQRC
	P_GROUP	
	ACTVT	16

Table Access

Use authorisation object S_TABU_NAM to restrict by table. The minimum list of tables required are as follows. Additionally specific tables to be extracted will need to be added.

Authorization Object	Authorization Field	Authorization Value
S_TABU_NAM	TABLE	AQGQCAT, DD01T, DD02L, DD02T, DD03L, DD04L, DD04T, DD05Q, DD07L, DD07T, TCDOB
	ACTVT	03 (Display)

Use authorisation object S_TABU_NAM to restrict by table group. The minimum list of table group are as follows. Additionally specific table groups to be extracted will need to be added.

Authorization Object	Authorization Field	Authorization Value
S_TABU_DIS	DICBERCLS	&NC&, SS
	ACTVT	03 (Display)

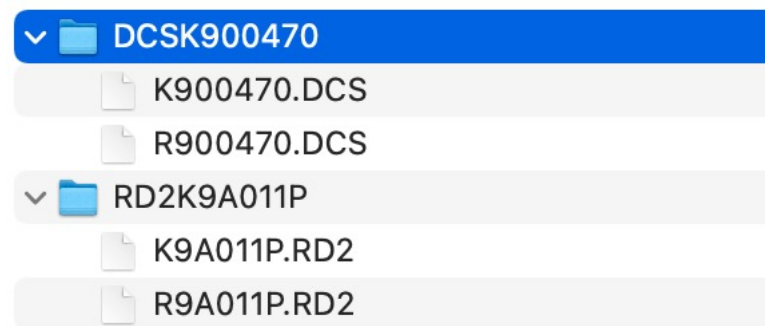
Set-Up Steps

Install Syniti SAP Query Read Table Transport ECC6

Based upon the version of SAP ECC6, install the associated transport in the SAP Application Server.

- Transport RD2K9A011P is compatible with SAP ECC6 SAP Basis 700 – 731.
- Transport DCSK900470 is compatible with SAP ECC6 SAP Basis 740 and higher

To have them installed, please contact the customer SAP Basis team.



Transport Contents ECC

Object Name	Type	Description
/BOA/UTILITY	Package	Package that contains all objects related to Syniti Data Replication
/BOA/SDR0	Function Group	Syniti Data Replication Function Group
/BOA/SDR_READ_TABLE	Function Module	Syniti Data Replication Read Table Function Module

Install Syniti SAP Query Read Table Transport S/4HANA

Install the provided transport in the SAP Application Server.

The transport files required are shown below. To have them installed, please contact the customer SAP Basis team.



Transport Contents S/4HANA

Object Name	Type	Description
/BS4/MASTER_DATA /BS4/UTILITY	Package	Packages that contain all objects related to Syniti Data Replication
/BS4/SDR0	Function Group	Syniti Data Replication Function Group
/BS4/SDR_READ_TABLE	Function Module	Syniti Data Replication Read Table Function Module