

Setting the Size Restriction for Result Set Using Program SAP_RSADMIN_MAINTAIN



Applies to:

SAP NetWeaver BW 3.x. For more information, visit the [Business Intelligence homepage](#).

Summary

This article explains how to increase the Size Restriction for a Result Set Using Program SAP_RSADMIN_MAINTAIN.

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Created on: 23 July 2009

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Introduction

When the requested result set of a user is larger than is defined in the parameter, the user receives a relevant message **"Result set is too large; data retrieval restricted by configuration"** and the processing is terminated. This article explains how to overcome it by setting the Size Restriction for Result set Using Program **SAP_RSADMIN_MAINTAIN**.

Setting the Size Restriction

We can specify the maximum size of the result set that is returned to a user. This allows you to avoid returning result sets that are too large and that can have a negative impact on the performance and quality of Web applications. You can use ABAP Program **SAP_RSADMIN_MAINTAIN**.

The default setting for the result set of Web applications is 500,000 cells. If the result set exceeds the size specified using the report, a message is displayed to inform the user.

Instead of a table with result set, we get a message displayed "Result set is too large; data retrieval restricted by configuration".

Below is the Screen Shot for reference:

The screenshot displays the SAP report interface. At the top, there are navigation buttons: 'Initial Status', 'Previous Status', 'Bookmark', and 'Close Window'. Below these are download options: 'Excel Download', 'PDF Download', and 'CSV Download'. The main area is titled 'Variables entered / Filter value / KeyFigure selection'. It shows 'Calendar Year' set to '2008; 2007 - 2008'. There are tabs for 'Filter' and 'Select KeyFigures'. Under 'Filter', there are dropdown menus for 'Calendar Month' (set to 'January - December'), 'Company Code' (set to 'Show All Values'), and 'Business Area' (set to 'Show All Values'). Below the filter section, there are buttons for 'Download', 'Change table property', 'Change characteristics property', and 'Change KeyFigure property'. A red error message is displayed: 'Result set is too large (3120 cells); data retrieval restricted by configuration (maximum = 200 cells)'. On the left side, there is a tree view for 'Columns' (Posting Period, Calendar Month, Key Figures), 'Rows' (Account Code), and 'Free characteristics' (Business Area, Company Code). At the bottom, the same error message is repeated.

This message indicates that the "Safety belt" is active. "Safety belt" is a size restriction for result sets and protects against large results quantities that may be requested by the end user by mistake. Large result sets could reduce the system performance and could cause high memory consumption.

The "safety belt" can be activated for a specific Query View or globally using a parameter in the customizing table **RSADMIN**.

The error message contains the number of cells in the result set.

Procedure

1. On the SAP Easy Access screen, choose System → Services → reporting (transaction SE38).
2. In the program field, enter the report name **SAP_RSADMIN_MAINTAIN** and choose Execute.
3. For OBJECT, enter one of the following parameters; for VALUE, enter the value for the size of the result set, and then execute the program:

BICS_DA_RESULT_SET_LIMIT_DEF

BICS_DA_RESULT_SET_LIMIT_MAX

Program Edit Goto System Help

SAP_RSADMIN_MAINTAIN

Maintain table RSAD

OBJECT

VALUE

INSERT

UPDATE

DELETE

Using Parameter BICS_DA_RESULT_SET_LIMIT_DEF

We can use parameter BICS_DA_RESULT_SET_LIMIT_DEF to set the default size restriction for the result set.

Program Edit Goto System Help

SAP_RSADMIN_MAINTAIN

Maintain table RSAD

BICS_DA_RESULT_SET_LIMIT_DEF OBJECT

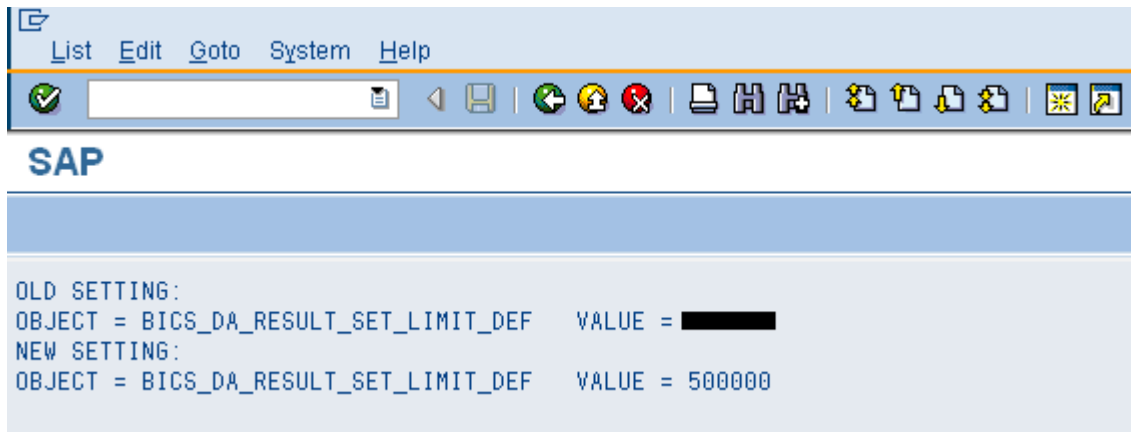
500000 VALUE

INSERT

UPDATE

DELETE

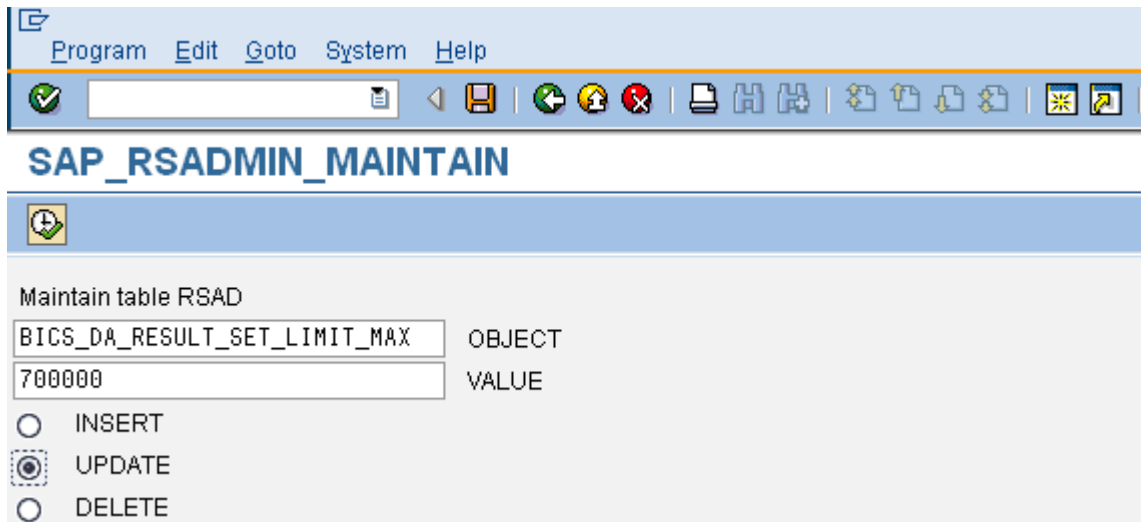
On Executing



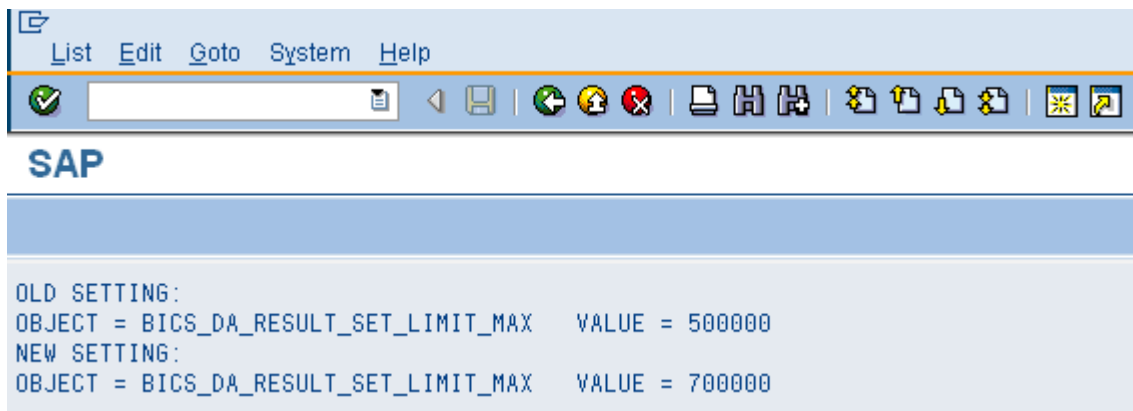
"Default Number" (BICS_DA_RESULT_SET_LIMIT_DEF) defined in the customizing table RSADMIN.
 "Default Number" (BICS_DA_RESULT_SET_LIMIT_DEF) contains the number of cells that is used for all Queries (and Query Views) without any custom-defined number.

Using Parameter BICS_DA_RESULT_SET_LIMIT_MAX

We can use parameter BICS_DA_RESULT_SET_LIMIT_MAX to set the maximum size restriction for the result set that is returned by the BI system.



On Executing



The "Maximum Number" (BICS_DA_RESULT_SET_LIMIT_MAX) defined in the customizing table RSADMIN. "Maximum Number" (BICS_DA_RESULT_SET_LIMIT_MAX) defines the maximum number of cells that a user can enter manually for a specific Query View.

For a **Query View** below are the steps to be followed to change the "safety belt" for Query Views:

1. Use the context menu Properties / Data Provider in a BEx Web Application to maintain the "safety belt" for a Query View.
2. Choose the register "Size Restriction for Result Sets".
3. Choose an entry from the dropdown box to specify the maximum number of cells for the result set.

The following values are available:

- Maximum Number
- Default Number
- Custom-Defined Number

Behind "Maximum Number" and "Default Number" you can find the current numbers defined in the customizing table RSADMIN.

4. Save the Query View and use it in another Web Template.

Below is the content of table RSADMIN, we can find the customized changes

The screenshot shows the SAP Data Browser interface for the RSADMIN table. The menu bar includes Table Entry, Edit, Goto, Settings, System, and Help. Below the menu bar is a toolbar with various icons. The main area displays the following table:

OBJECT	VALUE
BICS_DA_RESULT_SET_LIMIT_DEF	500000
BICS_DA_RESULT_SET_LIMIT_MAX	700000

Note

The default setting is 500,000 cells. We can define the size of the result set in Web applications using ABAP report. If you already queried more than the default size and still want to do this, define the required size for the result set using the specified report.

Related Content

Taken most of the inputs from **sap help** in preparing this Article.

http://help.sap.com/saphelp_nw70/helpdata/en/45/d1d742eb7d6976e10000000a1553f6/content.htm

<https://forums.sdn.sap.com/thread.jspa?messageID=7852635#7852635>

<https://forums.sdn.sap.com/thread.jspa?messageID=7579523#7579523>

SAP Note Number: [1127156](#)

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