

Precalculation Server – The New Administration Transaction



Applies to:

SAP Business Warehouse, Precalculation, Broadcasting For more information, visit the [Business Intelligence homepage](#).

Summary

This article describes the functionalities provided by the new administration transaction – RSPRECALADMIN - of the Precalculation Server.

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Introduction

The new administration transaction for the precalculation server is available. The availability is listed in SAP note: #1424130. The new interface provides a set of new features, eases the administration tasks, and allows better monitoring of your Precalculation Server landscape.

In this article I try to describe the functionalities this transaction provides, showing these with screen shots.

The Server list screen

When you start the transaction RSPRECALADMIN You see a screen similar to this.

Status	ID	Server name	Description	Curr...
●○○	CK710_2	████████████████████	CK710_2	0
●○○	CK710_4	████████████████████	CK710_4	0
●○○	FINXP03	████████████████████	FINXP03	0
●○○	GUI640_P18	████████████████████	MS WIN 2003 SERVER + OFF 2003	0
○○●	GUI710_P08	████████████████████	MS WIN XP + OFF 2007	10
●○○	MZSERVER	████████████████████	MZSERVER	0
○○●	PDPREC02	████████████████████	PAP LAPTOP OK	10

Figure 1: List of precalculation Servers

On the initial screen you can find the list of Precalculation Servers connected to your SAP BI system. You can find information about these like: the id or description of the server as well as the name of the machine where the Precalculation Server is running. You also can see the actual status of the server. /running, reached its capacity, offline /.

Here you have the option to:

- Display a Precalculation Server
- Edit a Precalculation Server
- Delete a Precalculation Server.
- Create new Precalculation Server.
- Display a chart showing the status of Prec. Server landscape.

Display, Create or edit a Precalculation Server

Display a Precalculation Server

When you select a precalculation server for display, the system shows the statistics of this server; the number of open, currently processed, successfully processed and failed precalculations.

If the server is accessible / yellow or green status / you can display and download the log file it has. This can help you to find the reason for the erroneous precalculations.

The single server display provides the possibility for testing servers that are online. When doing so the RS_PREC_PLAN report is launched. In the test report you can select which workbook you would like to use for testing. If the workbook has variables, you can specify a variant to be used. You have to enter an e-mail address where the result file should be sent. There is also possibility to set web template for the content of the e-mail

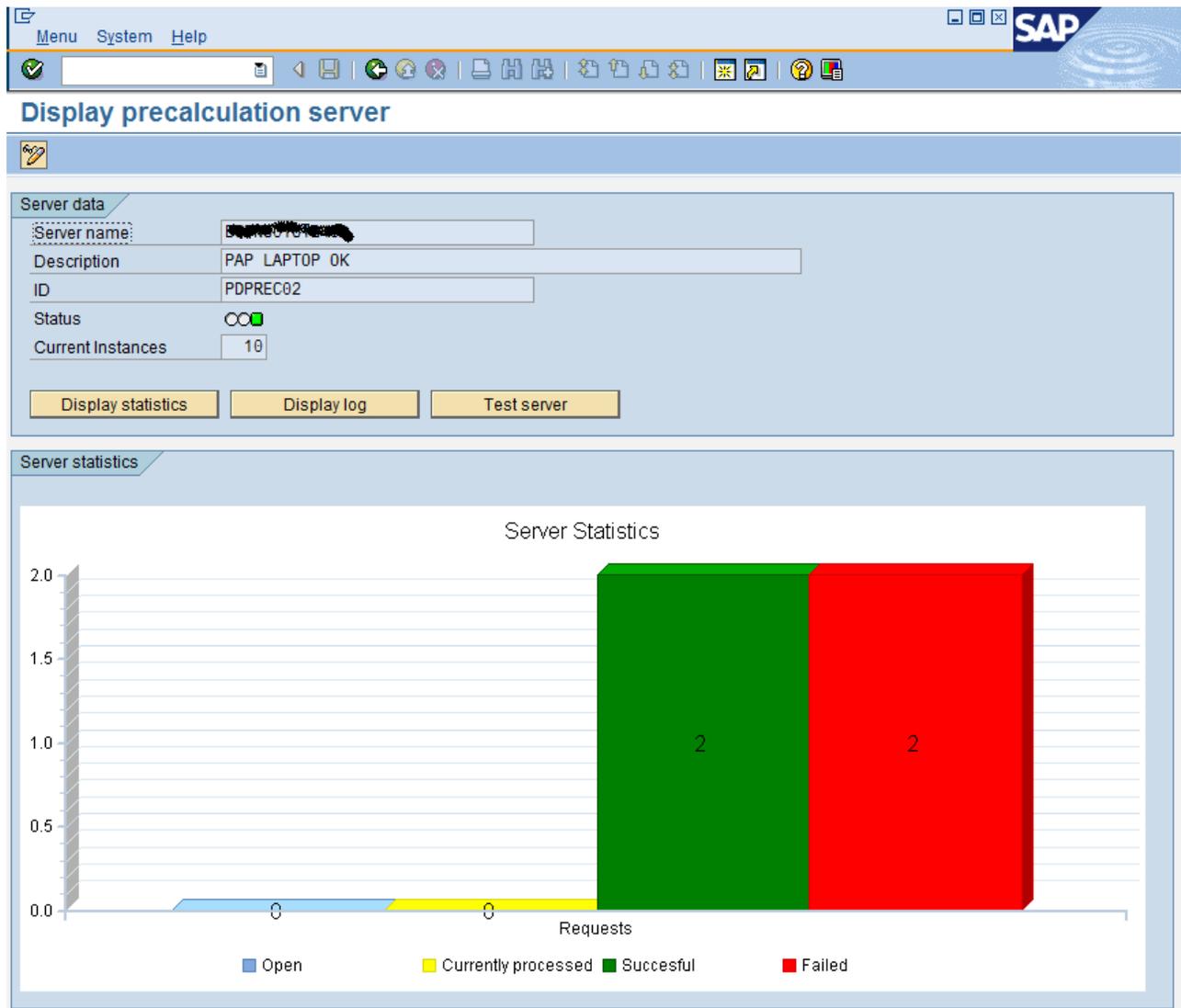


Figure 2: Single precalculation server view

Creating a new Precalculation Server

- When creating a new server please pay attention to be logged on to the BI system via SAP GUI form the specific machine where the server will be running. The reason for this is: the system needs to add some entries to the Windows Registry. Please log on the Windows with a user that has administrative privileges.
- You can enter an ID and a description for you new server. Warning: the ID can not be changed later on!
- When you save your newly created server, the system creates an RFC destination in Tr. SM59 / please use R/3 user that has appropriate privileges for creating RFC destination /.

Editing a precalculation server

When editing a server, you have the possibility to change its description. The description is language specific, so if you use the system on more languages, please maintain it here on each used language. / You have to be logged on to the R/3 system on the language on which you want to change the description. /. When you are in change mode the statistics and log of the server is not visible, these features only exist in display mode

The precalculation queue

This list provides you an overview about the processed precalculations. You can see which workbooks were used in precalculations, and whether these were successful or not. The processing time of each precalculation is also visible here.

The screenshot shows the SAP GUI interface for 'Precalculation server administration'. The 'Queue' tab is active, displaying the 'Precalculation queue' section. This section includes several checkboxes for filtering the queue: 'Open precalculation', 'Actual precalculation', 'Error free precalculation', and 'Erroneous precalculation', all of which are checked. There are also input fields for 'Queue entry date' (set to 11.08.2009) and 'Entries to display' (set to 500). Below the filters is an 'Update list' button and a 'Statistics' button. A toolbar with various icons is located above a table of precalculation entries. The table has the following columns: Status, Workbook Title, Precalculation ID, Server name, User name, and Queue en.

Status	Workbook Title	Precalculation ID	Server name	User name	Queue en
OO	paprec01	0A42163210354A819D6D1169000000	PDREC01	DEZSOP	11.08.200
OO	paprec01	0A42163210354A819ED41171000000	PDREC01	DEZSOP	11.08.200
OO	paprec01	0A42163210354A81A140117F000000	PDREC01	DEZSOP	11.08.200
OO	paprec01	0A42163210354A81A36B1186000000	PDREC01	DEZSOP	11.08.200
OO	paprec01	0A42163210354A81BFD51196000000	PDPREC02	DEZSOP	11.08.200

Figure 3: The Precalculation queue

Functionality of the precalculation queue tab

- Start the workbook. This will launch excel on your client machine with the given workbook, so you can check how the result of the precalculation should look like.
- Go to the timeout settings of the selected workbook(s). – see at the description of the timeout screen.
- Delete entries from the queue. – Multiple selection is possible
- You can display details of the user, who executed the workbook if you double click on the username.
- Display statistics. There are two kind of statistics offered.
 - Queue statistics: shows the number of successful, erroneous, open, and currently processed precalculations
 - Duration statistics: shows the average precalculation time for each server in your landscape

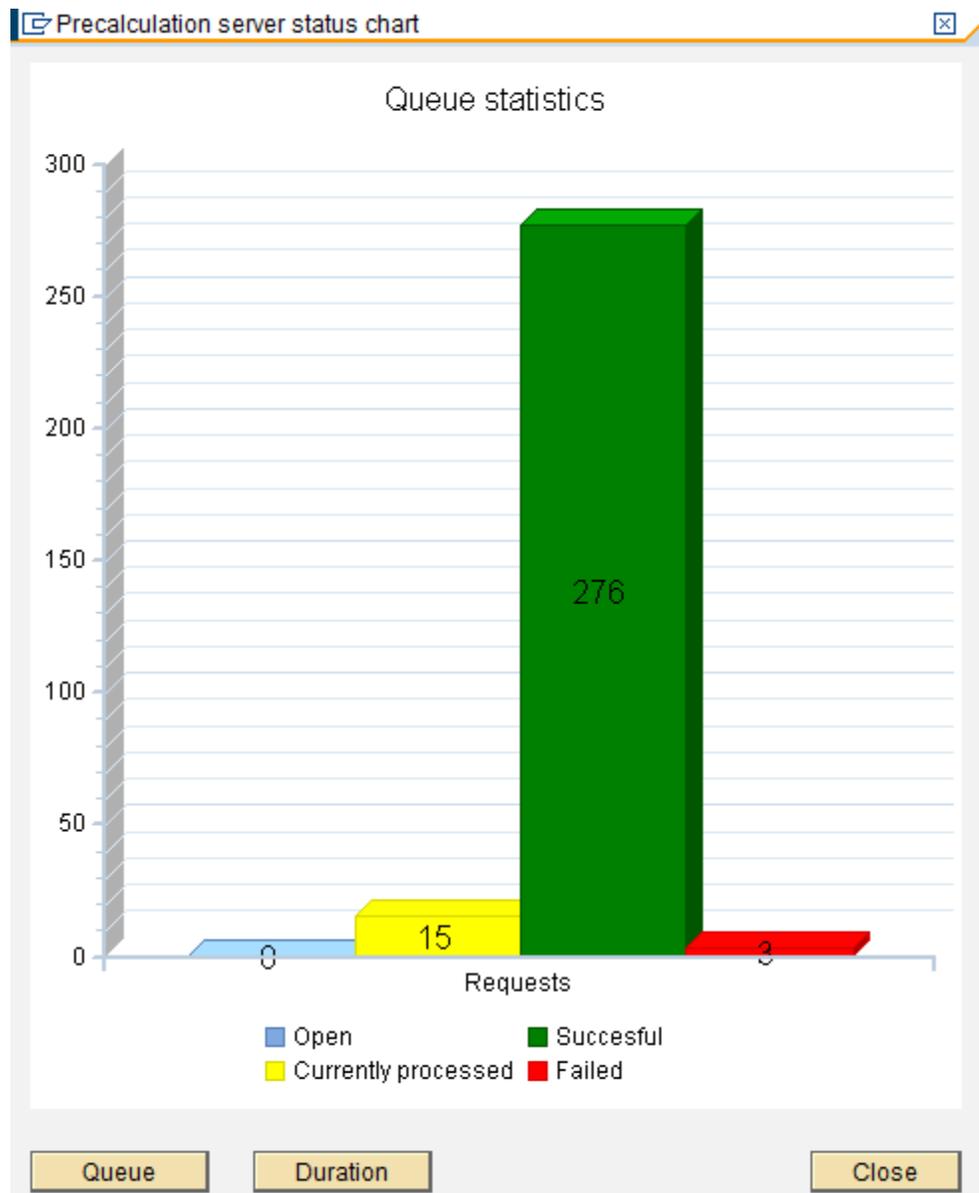


Figure 4: Precalculation queue and duration statistics

Timeouts

As of SAPKW70023 you have the possibility to define timeouts for precalculations. This can help you to prevent situations, where your server gets stuck with a workbook. You can define timeout value for each workbook you have in the system. There is also a default timeout, what will be used for workbooks not having a timeout specified.

To define a timeout for a workbook you have to select the workbook form the list of workbooks in the system. You can do this via F4 help on the Workbook title field, if you are in edit mode.

The screenshot shows the SAP 'Precalculation server administration' window. The 'Timeouts' tab is active, displaying a table with columns for 'Workbook Title', 'Workbook ID', and 'Timeout'. A pop-up window titled 'List of workbooks' is open, showing a detailed list of workbooks with columns for 'Workbook Title' and 'Workbook ID'. The 'Portfolio Graphic for Scoring Application' workbook is highlighted in yellow in the pop-up window.

Workbook Title	Workbook ID	Timeout
Default		10
0BWVC_VARQUERIES01	5EGN5LUOON380TUFC3MUAEK9J	6
D&B Top N companies according to Score for...	6NGGSY8Z75LH8UFD7TAQRMUET	6

Workbook Title	Workbook ID
0TSC3_WB_PROF_CONS	1QZX0BSUHL9NWFQFCYJTMTC74
D&B Tactical data	08AXTABF5KJU6OE814H2OAM5C
Portfolio Graphic for Scoring Application	0ASGGDDJBSF4LC486B34KEDK3
D&B Scoring Industries	1ORSGWZS393XLH2UAY4I5KTOP
D&B Scoring GIS	3TB1N1WUGUSFU8JTLD2Y6Z3W3T
D&B GIS Penetration Analysis	5URCAZUTV2JK7G97596953GDC
D&B Sales Revenue	69N38ANVAVX6PJ1XB6B0XZK8Z
D&B Top N companies according to Score for P...	6NGGSY8Z75LH8UFD7TAQRMUET
D&B Marketing Details - Customers	7OKP8LR6V80VIWNV88DK4YWTC
D&B Scoring GIS (Customers)	84W2GB1SNISQ34KW5PEGPUL
D&B Historical view (overview loaded data)	8GTJF5Y8Z9OW6Z4OLPPHPPN29
D&B Marketing Details - Prospects	9XKAV89QZQ6CZFL7B9BG59CWW
D&B Customer (%) vs. Revenue (%)	AHL0M4ANPS4F4VQQQEGQ09LSW
D&B Historical view	AL71YDG6SDU3JT6HKF118ZQU8
D&B Marketing Analysis	APHPAJ5J4UIKQGAIEE033RNHC
D&B Customer (%) vs. Norm (%)	C8WL564YSRS0GX13XIFP06DNK
D&B Family Tree Analysis	CXQV6D848IHGFB94FLA0VVM15
D&B Marketing Details - All Businesses	DD6FGI06JV59BE5RNGFT00O80
D&B Request query	DWMF8LX27UZRK2RQMJJF7H1L7K
0TSC5_WB_AM01 Dynamic Forecast	1GANIG54V03FWQ3TRVTUKYM74
TSC2 Cost Center Planning	5BZ17V1DHFJ3UJJSKAT38F30F
0BWVC_C03_VarProSoMandEmpty	AYZRM6IBRUY82B58LW7VCBGG
0BWVC_C03_VarProSoMandFromWb	BB62KB3XNJ4ZF5UH6LP8T86OM
0BWVC_C03_VarProSoMandNotFromWb	VZ0V404ICFHA06QUF70T8GCPC
desc	54LEQ8BW3P41CNWR3CJHTQXZE
Workbook for BEx Auto Test	DYLSA76F4VJ0079K311PFHW22
FPT 1	EUOFZEDZNH8K61QWVDIOGV62
Open Invoices	10XZTC53AFDS6ZDGYZ186HVG

Figure 5: Adding a workbook to the timeout list

This screen also offers possibility to preview a workbook in Excel, using the Start workbook button.

Failed Settings

You have the possibility check which settings have failed, and how many attempts were made to execute the given setting.

You can restart a setting using the RSR_PREC_SETTING_RESTART report, what is accessible from this screen directly.

The screenshot displays the SAP Precalculation server administration interface. The main window is titled 'Precalculation server administration' and has a tabbed interface with 'Failed Settings' selected. Below the tabs, there is a toolbar with various icons for actions like search, refresh, and print. The main content area shows a table of failed settings.

Setting title	Setting ID	Run date	Retry co...
PCS99C1_W3_S2	PCS99C1_W3_S2	23.09.2009	7
PCS99C1_W3_S2	PCS99C1_W3_S2	24.09.2009	1
PCS99C1_W3_S3	PCS99C1_W3_S3	24.09.2009	0
PCS99C1_W3_S4	PCS99C1_W3_S4	24.09.2009	1
PCS99C1_W3_S5	PCS99C1_W3_S5	23.09.2009	4
PCS99C1_W3_S6	PCS99C1_W3_S6	24.09.2009	0
PCS99C2_W2_S1	PCS99C2_W2_S1	21.09.2009	0

Figure 6: Failed settings

Related Content

[Installing a precalculation server - Weblog](#)

[Information broadcasting in SAP NetWeaver](#)

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