

Health Check Guide for SAP[®] Systems 4.7 and below



Health Check Guide for SAP Customers

Macro 4's free Health Check will analyse your SAP database to identify which modules are generating the most data. It can be performed remotely by Macro 4, using non-confidential system data supplied by you.

To extract the data simply follow this step-by-stepguide, which will show you how to run two standard SAP transactions and export the results to two spreadsheets which can be emailed to Macro 4 for analysis.

Once we receive this information we will assess the health of your SAP database. We will then prepare a report for you, showing you where you can release storage capacity through archiving.



Step 1 – Transaction DB02

This procedure is designed to sort databases into descending order so that critical tables can be identified.

Run transaction DB02 and select "Detailed analysis".

⊡ DBanalysis <u>E</u> dit <u>G</u> oto	<u>M</u> onitor S <u>y</u> stem <u>H</u>	<u>+</u> elp		
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Database Performa	nce: Tables a	nd Indexes		
Database system				
Database ORACLE	Date/time of	f this analysis	02.05.2004 20:00:10	
Name AAD				
	🛐 Refresh	Ga Checks	Space statistics	
Tablaces				
Tablespaces	29			
Total number			Current sizes	
Total size/kb	63,174,016	00 %		
Total free/kb Minimum free/kb	14,033,352	22 %	Space statistics	
Max. autoextensible/kb	11,040			
hax. autoextensible/kb	AULOEXCENU OTT		Freespace statistics	
Tables and indexes /				
	Tables	Indexes	Detailed analysis	
Total number	24,243	28,268		
Total size/kb	30,958,208	16,865,624	Missing indexes	
More than 1 extent	2,356	3,155	Missing indexes	
Missing in database	2,000	0	Space critical objects	
Missing in R/3 DDIC	1	0		
Space critical objects	ດ	ں م	Reaso statistica	
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Enter 4000 (=4Mb) into the size box. Press the green tick to continue.



🖙 Memory Management: Tables and Indexes 🛛 🖂					
Select for table/index analysis					
Object name	*				
Tablespace	*				
Object type	*				
Size / kbyte ≻	4000				
Extents ≻					
with Index-Type					
✓ ×					

Now sort the resulting table into descending order by positioning on the first value in the Kbytes column and press the sort icon:

② Database analysis Goto Monitor System Help ②							
Tables and Indexes: Analysis							
Table> Indexes Extents Table columns Detailed analysis 🖉 History 🗟 Sort							
04.05.2004 15:16:42 AAD sap8 Sort (F8)							
*							
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Owner	Object	Туре	Tablespace	KBytes	Blocks	Extents	Max
SYS	OBJ\$	TABLE	SYSTEM	4,816	602	41	
SYS	CONS	TABLE	SYSTEM	11,456	1,432	15	
SYS	VIEW\$	TABLE	SYSTEM	4,216	527	36	
SYS	SOURCE\$	TABLE	SYSTEM	16,416	2,052	83	
SYS	HIST_HEAD\$	TABLE	SYSTEM	25,656	3,207	17	
SAPR3	ZTBC_IMGRP_OP	TABLE	PSAPUSER1D	98,592	12,324	38	
SAPR3	D0105	TABLE	PSAPES46CD	1,344,200	168,025	3	
SAPR3	ABAPHTML	TABLE	PSAPSTABD	5,136	642	3	
SAPR3	ADCP	TABLE	PSAPSTABD	10,264	1,283	2	
SAPR3	ADR2	TABLE	PSAPSTABD	10,256	1,282	2	
SAPR3	ADR3	TABLE	PSAPSTABD	10,256	1,282	2	
SAPR3	ADR6	TABLE	PSAPSTABD	10,256	1,282	2	
SAPR3	ADR7	TABLE	PSAPSTABD	10,256	1,282	2	
SAPR3	ADRC	TABLE	PSAPSTABD	10,264	1,283	2	
SAPR3	ADRCOMC	TABLE	PSAPSTABD	10,256	1,282	2	
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The following - sorted - screen will be displayed:



cks Ext	ents Max
360,963	67
343,047	75
289,805	52
244,805	82
239,362	188
179,202	23
173,873	136
168,025	3
159,235	63
81,922	53
80,642	57
78,985	25
72,962	76
69,762	219
67,295	36
	343,047 289,805 244,805 239,362 179,202 173,873 168,025 159,235 81,922 80,642 78,985 72,962 69,762

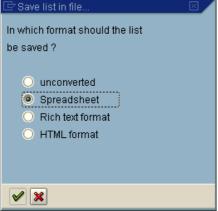
Next save the report into a spreadsheet by following Step2.



Step 2 – Export to Spreadsheet

Save the list to a local file via the System menu.

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Table <->	Indexes Extents Table o	Serv <u>i</u> ces	+	i History	😽 Sort				
		Utilities							
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		Own jobs		_		al file			
Owner	Object	_ /		espace	KBytes	200	Blocks	Extents	Mat
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SAPR3	TST03	<u>S</u> tatus		PBTABD	2,887,		360,963	67	
SAPR3	ZTSM_IREP_VAL	Log off		PUSER1D	2,744,		343,047	75	
SAPR3	ZTSM_HFITMENT	THOLE		₽USER1D	2,318,		289,805	52	
SAPR3	ZTSM_IREP_VAL~0	INDEX		PUSER1I	1,958,		244,805	82	
SAPR3	APQD	TABLE		PBTABD	1,914,		239,362	188	
SAPR3	D010L	TABLE		PEL46CD	1,433,		179,202	23	
SAPR3	ZTBC_IREP_VAL	TABLE		PUSER1D	1,390,		173,873	136	
SAPR3	D010S	TABLE		PES46CD	1,344,		168,025	3	
SAPR3	ZTBC_IREP_VAL~0	INDEX		PUSER1I	1,273,		159,235	63	
SAPR3	BDCP	TABLE		PBTABD	655,		81,922	53	
SAPR3	DOKCLU	TABLE		PES46CD	645,		80,642	57	
SAPR3	E071K	TABLE		PSTABD	631,		78,985	25	
SAPR3	SNAP	TABLE		PSTABD	583,		72,962	76	
SAPR3	APQD~0	INDEX		PBTABI	558,		69,762	219	
SAPR3	E071K~0	INDEX	I PSP	PSTABI	538,	360	67,295	36	
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Then save the data to a local file. Make a note of the location of the file so you can find it to email to Macro 4.



Step 3 – COEP table analysis

This procedure is designed to analyse the COEP table.

Run transaction SE38 and select report RARCCOA1.

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Then please select all the boxes as shown below:

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Ensure you execute in background. Do not print.

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Execute and print Ctrl+P	ate Data Extract				
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Tables to be analyzed COEP COEJ COSP COSS COSS COST					

This might take a long time as it depends on the size of the SAP database.

Next run transaction SE38 with report RARCCOA2.

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Output the results and open out the summary lines using the "+" boxes to give the year-by-year analysis shown below:

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System C11							
Evaluation on 22.05.2007							
Data extract generated from Data extract generated on	program RARCCOA1 14.06.2005						
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1 PS_PROJECT WBS W001 1998 1 PS_PROJECT WBS W001 1999		,232 55 0 ,299 439 0					
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Now follow the instructions in Step 2 to export these results to a spreadsheet.

Please email both spreadsheets to healthcheck@macro4.com or to your local contact at Macro 4.

THANK YOU

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