

SIZING RESULTS IN GB	
Based on the selected table(s), the anticipated maximum requirement are	
for Business Suite on HANA:	
- Memory requirement	352.2
- Net data size on disk	371.0
- Estimated memory requirement after data clean-up	318.8
- Estimated net data size on disk after data clean-up	370.8
Other possible additional memory requirement:	
- for an upgrade shadow instance	40.3

Check the FAQ document attached to SAP Note 1872170 for explanations on how to interpret the sizing terms and calculations.

Sizing report: /SDF/HDB_SIZING
Version of the report: 73
Date of analysis: 03/21/2018
Selected accuracy: M
Data aging retention in days for technical objects: 015
Number of work processes used: 08
HANA version sized: 2.0

SID R3P
NW release: 750 SP 8
Kernel version 749_REL
Operating system on AS Linux GNU SLES-11
Type of analyzed database: ORACLE
Database version: 12.1.0.2.0
Unicode system: Yes
Used size on disk of the analysed database in GB: 1,051

Number of tables successfully analyzed: 108,548
Number of tables partially analyzed: 0
Number of tables with error: 0

MEMORY SIZING CALCULATION DETAILS	HANA SIZE IN GB
Column store data	128.7
+ Row store data	2.5

= Anticipated memory requirement for the initial data	131.3
+ Cached Hybrid LOB (20%)	39.7
+ Work space	131.3
+ Fixed size for code, stack and other services	50.0

= Anticipated initial memory requirement for HANA	352.2

DISK SIZING CALCULATION DETAILS	HANA SIZE IN GB
Column store data	128.7
+ Row store data	2.5
+ hybrid LOBs	198.4
+ Space required for merges	16.3
+ Metadata and statistics	25.0

= Initial net data size on disk	371.0

DATA MODEL CHANGES AND CLEAN UP DETAILS	HANA SIZE IN GB
Anticipated memory requirement for the initial data	131.3

- Basis Data aged to disk	18.6

= Anticipated memory requirement of data after clean-up	112.7
+ Cached Hybrid LOB (20%)	39.7
+ Cached data from aged partitions (20%)	3.7
+ work space	112.7
+ Fixed size for code, stack and other services	50.0

= Anticipated total requirement for HANA after clean-up	318.8

DISK SIZING AFTER CLEAN-UP	HANA SIZE IN GB
Anticipated disk requirement for the data after clean-up	112.7
+ Data aged on disk	18.6
+ hybrid LOBs	198.4
+ Space required for merges	16.1
+ Metadata and statistics	25.0

= Net data size on disk after clean-up	370.8

CLEAN UP CALCULATION DETAILS	HANA SIZE IN GB
Basis Data aged to disk: (Total: 18.6GB)	
CDPOS	7.4
EDIDS	2.2
BALDAT	2.2
CDHDR	1.5
SWWCNTP0	1.3
EDID4	1.2
SWWLOGHIST	0.9
SWW_CONT	0.6
SWPSTEPLOG	0.3
SWPNODELOG	0.3
SWWWIHEAD	0.3
SWW_CONTOB	0.3
SWP_NODEWI	0.1
SWPNODE	0.1
BALHDR	0.1

ESTIMATED REQUIREMENT FOR UPGRADE SHADOW INSTANCES	HANA SIZE IN GB
Estimated size of tables cloned to shadow instances	20.1
+ Estimated corresponding work space requirement	20.1

= Total memory requirement for shadow instances	40.3
= Total disk requirement for shadow instances	36.2

LARGEST COLUMN STORE TABLES	ESTIMATED HANA MEMORY SIZE IN GB	ESTIMATED RECORD COUNT
DPAYP	8.3	129,035,839
CDPOS	8.0	124,401,058
DEBPPEVENTLOG	7.8	192,733,507
DBERCHZ1	5.2	113,282,223
DFKKOP	4.5	61,891,467
PCL4	4.1	7,557,473
DPAYH	3.8	75,366,840
DBERDLB	3.5	113,855,283
DFKKOPK	3.2	76,626,522

EDIDS	3.2	57,957,717
DFKKZR	2.5	66,141,007
BALDAT	2.4	7,206,505
DFKKLOCKS	2.2	34,669,046
D010TAB	2.1	55,889,479
ETTIFN	2.1	52,241,743
WBCROSSGT	1.9	36,152,597
EDID4	1.8	43,918,734
DBERCHZ3	1.7	54,731,109
CDHDR	1.7	44,079,988
DFKKKO	1.7	33,680,530
DBERCHZ2	1.4	34,468,001
SWWCNTP0	1.4	2,096,338
JCDS	1.3	38,954,274
DOKTL	1.2	29,205,173
REPOSRC	1.2	5,155,767
GVD_LATCHCHILDS	1.1	31,912,500
FKKMAZE	1.1	16,981,487
SMIMCONT1	1.1	899,501
JEST	1.0	34,484,256
ERCH	1.0	16,875,185

LARGEST COLUMN STORE PRIMARY KEYS	PRIMARY KEY MEMORY SIZE IN GB	ENTIRE TABLE SIZE IN GB
CDPOS	4.8	8.0
DPAYP	3.6	8.3
DEBPPEVENTLOG	2.3	7.8
DBERDLB	1.8	3.5
DBERCHZ1	1.8	5.2
EDIDS	1.6	3.2
DFKKZR	1.4	2.5
DPAYH	1.3	3.8
D010TAB	1.2	2.1
DFKKLOCKS	1.2	2.2
DFKKOPK	1.1	3.2
DFKKOP	1.1	4.5
ETTIFN	1.1	2.1
WBCROSSGT	1.1	1.9
CDHDR	0.9	1.7
DBERCHZ3	0.8	1.7
EDID4	0.8	1.8
JCDS	0.7	1.3
JEST	0.6	1.0
DOKTL	0.6	1.2
D010INC	0.6	0.9
FKKMAZE	0.6	1.1
DBERCHZ2	0.5	1.4
ZCCS_DFKKOPK	0.5	0.9
SWWLOGHIST	0.5	1.0
DFKKKO	0.4	1.7
GVD_LATCHCHILDS	0.4	1.1
SWW_CONT	0.4	0.7
EABLG	0.4	0.7
E071K	0.4	0.8

LARGEST ROW STORE TABLES	ESTIMATED HANA MEMORY SIZE IN GB	ESTIMATED RECORD COUNT
DFKKSUM	1.4	3,390,683
TST03	0.4	6,258,262
SWNCMONI	0.2	78,915
DDTYPES	0.1	1,463,407
DDFTX	0.1	531,819
COVREF	0.1	337,478
LTDX	0.1	46,302
SMODISRC	0.1	24,461

LARGEST COLUMN STORE TABLES WITH LOB	ESTIMATED LOB SIZE ON DISK	ESTIMATED RECORD COUNT
SOFFCONT1	115.5	5,078,481
REPOLOAD	19.0	411,255
REPOSRC	5.5	5,155,767
APQD	3.2	5,824,722
DYNPLOAD	1.4	64,664
ECTD_XML_STR	1.4	54,884
ECTD_DATA	0.7	98,652
REPOTEXT	0.3	802,106
WDY_CTLR_COMPO	0.3	289,687
STXL	0.2	3,680,853
DYNPSOURCE	0.2	249,419
UJT_TRANS_OBJECT	0.2	18,035
WDY_CONFIG_DATA	0.2	17,968
WDR_ADP_CONST_MP	0.2	13,857
TFRT_BLOB	0.2	27
COV_GENDATA	0.1	337,203
ECSCR_XML_STR	0.1	29,113
D342L	0.1	11,330
WDR_MIME_FILE	0.1	9,148
SFDG	0.1	4,790
WDR_RR_LOAD	0.1	4,278
N2EXTLOAD	0.1	2,597
FINB_CONTENT_HIS	0.1	290

LARGEST ROW STORE TABLES WITH LOB	ESTIMATED LOB SIZE ON DISK	ESTIMATED RECORD COUNT
TST03	45.5	6,258,262
FPLAYOUTT	1.6	6,415
FPCONTEXT	0.6	4,599
ENHHEADER	0.5	23,437
ENHOBJCONTRACT	0.5	121
ENHSPOTHEADER	0.1	12,322

LARGEST TABLES AFTER CLEAN-UP	ESTIMATED HANA MEMORY SIZE IN GB	STORE
DPAYP	8.3	CS
DEBPPEVENTLOG	7.8	CS
DBERCHZ1	5.2	CS
DFKKOP	4.5	CS
PCL4	4.1	CS
DPAYH	3.8	CS

DBERDLB	3.5	CS
DFKKOPK	3.2	CS
DFKKZR	2.5	CS
DFKKLOCKS	2.2	CS
D010TAB	2.1	CS
ETTIFN	2.1	CS
WBCROSSGT	1.9	CS
DBERCHZ3	1.7	CS
DFKKKO	1.7	CS
DBERCHZ2	1.4	CS
DFKKSUM	1.4	RS
JCDS	1.3	CS
DOKTL	1.2	CS
REPOSRC	1.2	CS
GVD_LATCHCHILDS	1.1	CS
FKKMAZE	1.1	CS
SMIMCONT1	1.1	CS
EDIDS	1.0	CS
JEST	1.0	CS
ERCH	1.0	CS
EABL	1.0	CS
PCL2	1.0	CS
ZCCS_DFKKOPK	0.9	CS
D010INC	0.9	CS

LARGEST TABLES CLONED DURING UPGRADES	ESTIMATED HANA MEMORY SIZE IN GB	ESTIMATED RECORD COUNT
D010TAB	2.1	55,889,479
WBCROSSGT	1.9	36,152,597
DOKTL	1.2	29,205,173
REPOSRC	1.2	5,155,767
GVD_LATCHCHILDS	1.1	31,912,500
SMIMCONT1	1.1	899,501
D010INC	0.9	19,773,877
E071K	0.8	16,951,258
APQD	0.8	5,824,722
E071	0.6	17,028,994
DD03L	0.6	9,850,370
SCPRSVALS	0.5	11,220,700
SEOSUBCOTX	0.3	5,452,472
TADIR	0.2	4,310,392
SCPRVALS	0.2	4,130,646
FUNCT	0.2	4,082,304
SEOSUBCODF	0.2	3,704,672
SEOSUBCO	0.2	3,694,470
SEOCOMPODF	0.2	2,631,773
SWNCMONI	0.2	78,915
SCMON_DATA	0.1	5,350,767
RIS_PROG_TADIR	0.1	5,122,344
CWBNTCONT	0.1	3,772,395
FUPARAREF	0.1	3,764,780
SEOCOMPOTX	0.1	3,673,966
RSMPTXTS	0.1	3,641,625
TFO04	0.1	2,771,301
WBCROSSI	0.1	2,764,791
SEOCOMPO	0.1	2,640,973

DOKHL	0.1	2,629,007
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SCALE OUT TABLE GROUP NAMES	ESTIMATED MEMORY SIZE BEFORE CLEANUP	ESTIMATED MEMORY SIZE AFTER CLEANUP
COL_TABLES_NOT_GROUPED	103.6	0.0
BC_CHDO	9.7	0.9
BC_IDOC	5.0	1.6
BC_WORKITEM	4.7	0.6
STATUS	2.5	2.5
BC_SBAL	2.4	0.2
FI_DOCUMENT	0.6	0.6
ACC_DOC	0.1	0.1
MM_EKKO	0.1	0.1

DETAILED INITIAL SIZING PER COMPONENT	MEMORY SIZE IN GB
Column Store tables:	65.9
- High cardinality:	4.5
- Med. cardinality:	4.3
- Low cardinality:	0.9
- Others:	55.8
Column Store keys:	62.9
- Primary keys:	48.6
- Row ID:	11.7
- Udiv:	2.1
- Secondary unique keys:	0.5
Row Store tables:	2.1
Row Store primary keys:	0.3
Row Store secondary keys:	0.2
LOB CS data stored on disk:	149.6
LOB RS data stored on disk:	48.8
Check SAP Note 1986747 for more information	

LARGEST TABLES	AGING OBJECT	LAST AGING RUN
DPAYP	BC_CHDO	
CDPOS		
DEBPPEVENTLOG		
DBERCHZ1		
DFKKOP		
PCL4		
DPAYH		
DBERDLB	BC_IDOC	
DFKKOPK		
EDIDS		
DFKKZR		
BALDAT		
DFKKLOCKS		
D010TAB		
ETTIFN	BC_SBAL	
WBCROSSGT		
EDID4		
	BC_IDOC	

DBERCHZ3	
CDHDR	BC_CHDO
DFKKKO	
DBERCHZ2	
DFKKSUM	
SWWCNTP0	BC_WORKITEM
JCDS	STATUS
DOKTL	
REPOSRC	
GVD_LATCHCHILDS	
FKKMAZE	
SMIMCONT1	
JEST	STATUS

LARGEST TABLES	ARCHIVING OBJECT	LAST ARCHIVING RUN
DPAYP	FI_MKKPAYH	
CDPOS	*5 OBJECTS	
DEBPPEVENTLOG		
DBERCHZ1	ISU_BILLZ	
DFKKOP	FI_MKKDOC	
PCL4	PA_LDOC	
DPAYH	FI_MKKPAYH	
DBERDLB	ISU_PRDOCL	
DFKKOPK	FI_MKKDOC	
EDIDS	2 OBJECTS	
DFKKZR		
BALDAT	3 OBJECTS	
DFKKLOCKS	7 OBJECTS	
D010TAB		
ETTIFN	ISU_FACTS	
WBCROSSGT		
EDID4	2 OBJECTS	
DBERCHZ3	ISU_BILLZ	
CDHDR	*5 OBJECTS	
DFKKKO	FI_MKKDOC	
DBERCHZ2	ISU_BILLZ	
DFKKSUM	FI_MKKSUM	
SWWCNTP0	8 OBJECTS	
JCDS	71 OBJECTS	
DOKTL		
REPOSRC		
GVD_LATCHCHILDS		
FKKMAZE	FI_MKKDUNN	
SMIMCONT1		
JEST		