SIZING RESULTS IN GiB	
The anticipated maximum requirements for the HANA DATABASE SERVER are:	
for S/4HANA:	
- Memory requirement	735,7
- Net data volume size on disk	789,8
- SAPS category	XS
- Memory requirement after optimization	644,3
- Net data volume size on disk after optimization	744,1
- Memory requirement of client-dependent data	306,7

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:	99
Date of analysis:	20.04.2026
Date of CPU analysis:	20.04.2026
Selected sample size:	M
Cluster sampling mode:	S
TAANA results used:	No
Number of work processes used:	01
Duration of the analysis in seconds:	11.702
SID	PMM
NW release:	750 SP 31
Kernel version	754_REL
Operating system on AS	Windows NT 10.0.203
Type of analysed database:	ORACLE
Database version:	19.23.0.0.0
Unicode system:	Yes
Data used size on disk of the analysed database in GiB:	1.475
Date of last disk size analysis (See FAQ):	20.04.2026
Number of tables successfully analysed:	116.086
Number of tables with error:	0

MEMORY SIZING CALCULATION DETAILS	HANA SIZE IN GiB
Column loadable data	303,3
+ Row Store data	0,9
+ Changes in FI tables and columns	16,3
+ Changes in MM/SD tables and columns	1,0
= Memory requirement for the initial loadable data	321,5
+ Hybrid LOB cache (10% of size on disk)	32,3
+ NSE cache for page loadable data (1/4 of size on disk)	10,8
+ Work space (100% Column + 50% Row Store)	321,1
+ Fixed size for code, stack and other services	50,0
= Anticipated initial memory requirement	735,7

DISK SIZING CALCULATION DETAILS	HANA SIZE IN GiB
Column loadable data	303,3
+ Row Store data	0,9
+ Changes in FI tables	16,3
+ Changes in MM/SD tables	1,0
+ Hybrid LOBs	323,1

+ Page loadable data (NSE)	43,1
+ Space required for merges	77,0
+ Metadata and statistics	25,0

= Initial net data size on disk	789,8

MEMORY SIZING AFTER OPTIMIZATION	HANA SIZE IN GiB
Memory requirement for the initial loadable data	321,5
- Obsolete financial data (Aggregates, indexes...)	30,7
- Obsolete logistics data (Aggregates, indexes...)	15,0

= Memory requirement for data after optimization	275,8
+ NSE cache for page loadable data (1/4 of size on disk)	10,8
+ Cached Hybrid LOB (10% of size on disk)	32,3
+ Work space (100% Column + 50% Row Store)	275,4
+ Fixed size for code, stack and other services	50,0

= Anticipated memory requirement after optimization	644,3

DISK SIZING AFTER OPTIMIZATION	HANA SIZE IN GiB
Column loadable data after optimization	275,8
+ Page loadable data (NSE)	43,1
+ Hybrid LOBs	323,1
+ Space required for merges	77,0
+ Metadata and statistics	25,0

= Net data size on disk after optimization	744,1

OPTIMIZATION CALCULATION DETAILS	HANA SIZE IN GiB
Changes in FI tables and columns (Total: 16.3GB)	
New financial tables: (Total: 15.0GB)	
ACDOCA Lower estimation	12,1
ACDOCA Upper estimation	14,6
FAAT_DOC_IT	0,1
FAAT_PLAN_VALUES	0,2
FAAT_YDDA	0,1
New columns in existing tables: (Total: 1.3GB)	
BSEG	0,7
COEP	0,6
Changes in logistics tables and columns (Total: 1.0GB)	
- New tables: (Total: 4.5GB)	
MATDOC	3,7
MATDOC_EXTRACT	0,7
- New columns in existing tables: (Total: 0.1GB)	
- Changes in VBFA: (Total: 3.6-GB)	
Old VBFA table	9,0
New VBFA table	5,5
Obsolete financial data (Total: 30.7GB)	
- Obsolete tables to unload: (Total: 19.9GB)	
FAGLFLEXA	18,7
ANLP	0,5
FAGLFLEXT	0,3
ANLC	0,2
BSIM	0,1

ANEP	0,1
- Tables moved to historical partitions: (Total: 6.4GB)	
BSIS	3,3
BSAS	2,3
BSAD	0,5
BSAK	0,3
- Deletion of obsolete CO documents: (Total: 4.4GB)	
COEP	3,7
COSS	0,7
COSP	0,1
GLPCA	5,8
GLPCP	0,1
Obsolete logistics data (Total: 15.0GB)	
- Obsolete tables: (Total: 15.0GB)	
VAPMA	3,4
VLPMA	3,0
MSEG	3,0
VRPMA	2,5
VBUP	2,2
VRKPA	0,2
VBUK	0,2
VAKPA	0,1
MKPF	0,1
VLKPA	0,1

Refer to SAP Note 2818267 for DVM recommendations during migration to S/4HANA.

CPU SIZING DETAILS	
Available aggregated statistics basis:	Intervals
Hourly	13.04.2026 - 19.04.2026
Daily	06.04.2026 - 12.04.2026
Weekly	09.03.2026 - 30.03.2026
Monthly	01.01.2026 - 01.03.2026
Peak (Select equivalent/h)	10.966.520
Peak period basis	14.04.2026
Peak Factor	2,17
Estimated SAPS	10.000
Estimated SAPS category	XS
Peak period background tasks percentage	63,06

The share of background jobs in the load is above 50%. The CPU Sizing estimation is possibly too high.
Check the FAQ document attached to SAP Note 1872170 for explanations on how to interpret the CPU sizing calculations.

LARGEST COLUMN LOADABLE TABLES	ESTIMATED MEMORY SIZE IN GiB	ESTIMATED RECORD COUNT
PRCD_ELEMENTS	34,1	984.222.957
PPOIX	23,8	580.539.899
FAGL_SPLINFO_VAL	19,1	555.572.854
FAGLFLEXA	18,7	262.066.588
FMIFIIT	17,9	237.709.505
ACDOCA	14,6	326.144.406
FAGL_SPLINFO	14,2	273.858.087
PPOPX	12,3	332.838.448
BSEG	6,4	90.273.863

STXL	6,1	25.132.575
FMIOI	5,9	83.456.573
GLPCA	5,8	61.236.738
VBFA	5,5	123.273.461
CDHDR	5,3	128.540.227
FMIT	5,0	63.232.875
COEP	4,3	66.731.233
FMIO	3,8	40.613.177
MATDOC	3,7	44.363.994
VAPMA	3,4	44.634.914
BSIS	3,3	56.373.612
FMIA	3,2	37.544.452
MSEG	3,0	44.363.994
VLPMA	3,0	42.665.573
JEST	2,8	95.977.780
VBAP	2,7	44.613.447
PPDIX	2,6	71.393.152
LIPS	2,5	42.618.707
VRPMA	2,5	35.770.289
BSAS	2,3	34.069.542
VBUP	2,2	87.249.821

LARGEST PAGE LOADABLE TABLES	ESTIMATED DISK SIZE IN GiB	ESTIMATED RECORD COUNT
CDPOS	22,9	353.480.959
BALDAT	12,0	39.202.619
PCL4	1,4	3.079.952
DOKTL	1,3	37.154.992
EDID4	0,8	21.123.242
D010TAB	0,7	71.042.268
DD03L	0,7	12.191.823
BALHDR	0,7	11.113.406
PCL2	0,5	13.737.153
D010INC	0,3	23.203.218
PCL5	0,3	1.021.233
TADIR	0,1	4.484.799
DOKHL	0,1	3.210.356
DOKIL	0,1	3.028.723
D021T	0,1	1.792.401
STERM_LINK	0,1	932.860
SMIMCONT1	0,1	856.196
SPROXDAT	0,1	450.990
COV_GENDATA	0,1	390.371
DYNPSOURCE	0,1	275.807

LARGEST COLUMN STORE PRIMARY KEYS	PRIMARY KEY MEMORY SIZE IN GiB	ENTIRE TABLE SIZE IN GiB
PRCD_ELEMENTS	17,3	34,1
PPOIX	12,2	23,8
FAGL_SPLINFO_VAL	11,6	19,1
PPOPX	6,8	12,3
FMIFIIT	6,4	17,9
FAGL_SPLINFO	5,4	14,2
FAGLFLEXA	5,1	18,7
CDHDR	2,9	5,3

FMIOI	2,5	5,9
FMIT	2,4	5,0
VAPMA	2,0	3,4
VLPMA	1,8	3,0
JEST	1,7	2,8
BSEG	1,5	6,4
BSIS	1,5	3,3
VRPMA	1,5	2,5
VBFA	1,4	5,5
VBUP	1,3	2,2
PPDIX	1,2	2,6
S800	1,2	1,9
BSAS	1,1	2,3
S033	1,1	1,7
COEP	1,0	4,3
GLPCA	0,9	5,8
VBEP	0,9	2,1
JCDS	0,8	1,6
FMZUOB	0,8	1,3
SWWLOGHIST	0,8	1,7
S999	0,8	1,3
S678	0,8	1,3

LARGEST ROW STORE TABLES	ESTIMATED MEMORY SIZE IN GiB	ESTIMATED RECORD COUNT
ARFCSDATA	0,4	233.446
APQD	0,2	652.145
COVREF	0,1	385.906

LARGEST TABLES WITH LOB	ESTIMATED LOB SIZE ON DISK	ESTIMATED RECORD COUNT
SOFFCONT1	261,5	10.326.367
REPOLOAD	23,3	481.949
REPOSRC	6,7	5.681.391
STXL	6,5	25.132.575
SWWCNTP0	4,1	7.350.425
FPLAYOUTT	3,7	12.830
ECTD_DATA	2,3	150.580
DYNPLOAD	1,6	80.830
WDR_ADP_CONST_MP	1,3	75.180
ENHOBJCONTRACT	1,2	79
SOC3	0,9	4.228.281
/STMC/CR_REPO2S	0,9	12.307
SRT_MMASTER	0,8	724.439
FPCONTEXT	0,8	5.629
TST03	0,7	119.753
/GCNET/TB_FE_D_M	0,6	197.919
REPOTEXT	0,5	1.087.667
ENHHEADER	0,5	25.261
T77PAYCO_NECOD	0,4	109.154
WDY_CTLR_COMPO	0,3	304.320
TRPT_LOG	0,3	234.676
SWNCMONI	0,3	103.608
WDR_MIME_FILE	0,3	19.370
/UI5/MIME_FILE	0,3	17.427

SBCMCONT1	0,2	104.046
WDY_CONFIG_DATA	0,2	19.120
TFRT_BLOB	0,2	27
BDSCONT3	0,1	105.044
O2PAGCON	0,1	80.193
SRT_UTIL_ERRLOG	0,1	46.824

LARGEST TABLES AFTER OPTIMIZATION	ESTIMATED HANA MEMORY SIZE IN GiB	STORE
PRCD_ELEMENTS	34,1	CS
PPOIX	23,8	CS
FAGL_SPLINFO_VAL	19,1	CS
FMIFIIT	17,9	CS
ACDOCA	14,6	CS
FAGL_SPLINFO	14,2	CS
PPOPX	12,3	CS
BSEG	6,4	CS
STXL	6,1	CS
FMIOI	5,9	CS
GLPCA	5,8	CS
VBFA	5,5	CS
CDHDR	5,3	CS
FMIT	5,0	CS
FMIO	3,8	CS
MATDOC	3,7	CS
FMIA	3,2	CS
JEST	2,8	CS
VBAP	2,7	CS
PPDIX	2,6	CS
LIPS	2,5	CS
VBRP	2,2	CS
VBEP	2,1	CS
S800	1,9	CS
S033	1,7	CS
SWWLOGHIST	1,7	CS
JCDS	1,6	CS
STXH	1,6	CS
ISEG	1,5	CS
SOC3	1,5	CS

LARGEST TABLES CLONED DURING UPGRADES	ESTIMATED HANA MEMORY SIZE IN GiB	ESTIMATED RECORD COUNT
REPOSRC	1,2	5.681.391
E071K	1,1	22.397.964
CATN	1,0	29.619.457
WBCROSSGT	1,0	23.900.347
E071	0,9	25.301.373
SCPRSVALS	0,5	11.394.600
SEOSUBCOTX	0,5	10.222.637
ARFCSDATA	0,4	233.446
SEOCOMPOTX	0,3	6.843.080
FUNCT	0,3	6.188.430
OCSCMPLOBJ	0,3	3.950.133
RIS_PROG_TADIR	0,2	5.648.488
SEOSUBCO	0,2	4.266.772

SEOSUBCODF	0,2	4.226.506
SCPRVALS	0,2	4.045.433
FUPARAREF	0,2	3.862.330
SEOCOMPODF	0,2	2.944.666
DBTABLOG	0,2	1.337.600
APQD	0,2	652.145
RSMPTEXTS	0,1	5.031.240
CWBNTCONT	0,1	4.549.201
CATM	0,1	3.478.135
SEOCOMPO	0,1	2.963.866
TFO04	0,1	2.837.112
WDY_UI_PROPERTY	0,1	2.657.100
WBCROSSI	0,1	2.553.094
T100	0,1	2.319.404
CROSS	0,1	2.305.344
TMDIR	0,1	2.042.894
E070A	0,1	1.724.841

SCALE OUT TABLE GROUP NAMES	ESTIMATED MEMORY SIZE BEFORE OPTIM.	ESTIMATED MEMORY SIZE AFTER OPTIM.
COL_TABLES_NOT_GROUPED	136,7	136,6
FI_DOCUMENT	95,6	64,9
SD_VBAK	59,4	47,7
MM_MATDOC	7,6	4,5
BC_WORKITEM	6,5	6,5
BC_CHDO	5,3	5,3
STATUS	5,1	5,1
LE_LIKP	2,6	2,6
ACC_DOC	1,0	1,0
BC_IDOC	0,9	0,9
MM_EKKO	0,7	0,7
OSTR	0,1	0,1

LARGEST COLUMN STORE TABLES	ESTIMATED HANA MEMORY SIZE IN GiB	SCALE OUT TABLE GROUP NAMES
PRCD_ELEMENTS	34,1	SD_VBAK
PPOIX	23,8	
FAGL_SPLINFO_VAL	19,1	FI_DOCUMENT
FAGLFLEXA	18,7	FI_DOCUMENT
FMIFIIT	17,9	
ACDOCA	14,6	FI_DOCUMENT
FAGL_SPLINFO	14,2	FI_DOCUMENT
PPOPX	12,3	
BSEG	6,4	FI_DOCUMENT
STXL	6,1	
FMIOI	5,9	
GLPCA	5,8	FI_DOCUMENT
VBFA	5,5	SD_VBAK
CDHDR	5,3	BC_CHDO
FMIT	5,0	
COEP	4,3	FI_DOCUMENT
FMIO	3,8	
MATDOC	3,7	MM_MATDOC
VAPMA	3,4	SD_VBAK
BSIS	3,3	FI_DOCUMENT

FMIA	3,2	
MSEG	3,0	MM_MATDOC
VLPMA	3,0	SD_VBAK
JEST	2,8	STATUS
VBAP	2,7	SD_VBAK
PPDIX	2,6	
LIPS	2,5	LE_LIKP
VRPMA	2,5	SD_VBAK
BSAS	2,3	FI_DOCUMENT
VBUP	2,2	SD_VBAK

Check SAP Note 2408419 and 2428711 for more information about Scale-Out.

DETAILED INITIAL SIZING PER COMPONENT	MEMORY SIZE IN GiB
Column Store tables:	132,7
- High cardinality:	4,4
- Med. cardinality:	12,1
- Low cardinality:	3,1
- Others:	112,9
Paged loadable data:	43,1
Column Store keys:	170,7
- Primary keys:	129,4
- Row ID:	29,3
- Udiv:	3,0
- Secondary unique keys:	9,0
Row Store tables:	0,8
Row Store primary keys:	0,1
Row Store secondary keys:	0,1
LOB CS data stored on disk:	315,4
LOB RS data stored on disk:	7,7

Check SAP Note 1986747 for more information.

LARGEST TABLES	ARCHIVING OBJECT	LAST ARCHIVING RUN
PRCD_ELEMENTS		
PPOIX	PA_PIDX	
FAGL_SPLINFO_VAL	2 OBJECTS	
FAGLFLEXA	FI_DOCUMNT	
FMIFIIT	FM_DOC_FI	
ACDOCA	FI_DOC_PPA	
FAGL_SPLINFO	2 OBJECTS	
PPOPX	PA_PIDX	
BSEG	2 OBJECTS	
STXL	FI_ACCPAYB	19990904
FMIOI	FM_DOC_OI	
GLPCA	2 OBJECTS	
VBFA	RV_LIKP	19990828
CDHDR	FI_ACCPAYB	19990904
FMIT	2 OBJECTS	
COEP	PS_PROJECT	20041109
FMIO		
MATDOC		
VAPMA	SD_VBAK	19990830

BSIS	2 OBJECTS	
FMIA	2 OBJECTS	
MSEG	MM_MATBEL	19990831
VLPMA	RV_LIKP	19990828
JEST	MM_EBAN	19990828
VBAP	SD_VBAK	19990830
PPDIX	PA_PDOC	
LIPS	RV_LIKP	19990828
VRPMA	SD_VBRK	19990826
BSAS	2 OBJECTS	
VBUP	RV_LIKP	19990828

The information below (if any) is used by SAP Support for troubleshooting.

TABLE NAME CLUSTER	CLUSTER RECORD COUNT	TRANSP. TABLE RECORD COUNT
PRCD_ELEMENTS	10.697.936	984.222.957
CDPOS	128.524.769	353.480.959

TABLE NAME CLUSTER	TAANA CLIENT COUNT	TAANA RECORD COUNT
PRCD_ELEMENTS	10.697.936	984.222.957
CDPOS	128.524.769	353.480.959

Maximum statistics age in years:	5
Minimum number of records for count:	10.000.000
Number of times statistics were inconsistent:	1

LARGEST TABLES WITH FORCED COUNT	COUNT METHOD	DOUBT REASON
SAML2_ASSERT	3	01

LARGEST TABLES WITH NEGATIVE STATS	COUNT METHOD	DOUBT REASON
SAML2_ASSERT	3	01