

# SAP Health Check Report

OS Information	
Operating System	Linux
Server Name	S4H
Network Address	49.205.169.15
Release	Linux

DB Information	
DB System	hdb
DB Version	2.00.066.00.1671096120 (fa/hana2sp06)
System SID	S4H

## Instance Status/Details

Instance Name	Instance Number	Features	Status
S4H_ASCS02_s4hana	2	MESSAGESERVER ENQUE	All OK
S4H_D01_s4hana	1	ABAP GATEWAY ICMAN IGS	All OK

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# SAP Jobs and Backups Summary

## Background Jobs(Today)

Job Type	Count
Running Jobs	1
Failed Jobs	3350

## HANA Data Backup status ( Last 10 Backups)

Backup Time	Status
"2023-05-02 02:12:09.621000000"	"successful"
"2023-04-17 17:18:13.988000000"	"successful"
"2023-04-10 17:06:39.016000000"	"successful"
"2023-03-24 19:17:11.197000000"	"successful"
"2023-03-17 19:05:11.835000000"	"successful"
"2023-03-03 16:01:23.086000000"	"successful"
"2023-02-14 15:19:51.373000000"	"failed"
"2023-02-10 02:35:27.453000000"	"successful"
"2023-02-03 02:28:39.014000000"	"successful"
"2023-02-01 20:12:29.602000000"	"successful"

## HANA Log Backup status ( Last 10 log Backups)

Log Backup Time	Status
"2023-05-08 20:48:24.162000000"	"successful"
"2023-05-08 20:48:24.140000000"	"successful"
"2023-05-08 20:48:01.306000000"	"successful"
"2023-05-08 20:48:01.109000000"	"successful"
"2023-05-08 20:33:03.541000000"	"successful"
"2023-05-08 20:33:03.521000000"	"successful"
"2023-05-08 20:33:01.486000000"	"successful"
"2023-05-08 20:33:01.105000000"	"successful"
"2023-05-08 20:18:03.775000000"	"successful"
"2023-05-08 20:18:03.752000000"	"successful"

## Instance S4H\_ASCS02\_s4hana Summary

Metrics	Status
Memory Utilization	Red
CPU Utilization	Green
File System	Green

### Monitoring Check List as on 2023-07-06 09:03 AM

Task	T-Code	Status/Observations	Errors/Comments
Enque Locks	SM12	Total Locks: 211 >1 Day Old Locks: 211	
System Log Check	SM21	All OK	
Checking SAP Buffer Quality	ST02		
CPU Utilization per Server	ST06	CPU Utilization - 10 %	
Review system logs for problems.	ST06 (Memory utilisation per)	Physical Memory: 257547 MB Free Memory: 4413 MB Free Swap Size: 25074 MB Actual Swap Size: 31763 MB	

## 1 Application

### Enque Locks

Enque Locks	value
Enque Locks	Total Locks: 211 >1 Day Old Locks: 211

## 2 OS

### 2.1 Memory

Type of memory	value
Free Memory	4293 MB
Configured Memory	257547 MB
Physical	257547 MB
Free (Value)	4413 MB
Swap Free	25074 MB
Swap Configured	31763 MB
Swap Size	31763 MB
Swap Maximum Size	31763 MB
Free Including Fs Cache	6572 MB
Free	1 %
Pages In	0 Pg/S

Pages Out	0 Pg/S
Page In	1 KB/s
Page Out	0 KB/s
Page In of RAM	0 %/h
Page Out of RAM	0 %/h

## 2.2 CPU

Type of CPU	value
CPU_Utilization	10 %
CPU I/O Waiting	1 %
5minLoadAverage	3.72 QL
User Utilization	10 %
System Utilization	0 %
Idle	89 %
Idle True	89 %
Interrupts	8845 /sec
System Calls	0 /sec
Context Switches	29849 /sec
Number of CPUs	32
Utilization	10 %
I/O Wait	1 %

## 2.3 File System

File System	Available	Use %
/dev	128764 MB	0 %
/dev/shm	216983 MB	0 %
/run	127963 MB	0 %
/sys/fs/cgroup	128773 MB	0 %
/	177415 MB	13 %
/hana	307549 MB	49 %
/usr/sap	46698 MB	54 %
/boot/efi	493 MB	1 %
/run/user/470	25754 MB	0 %
/run/user/1001	25754 MB	0 %
/run/user/468	- MB	- %
/run/user/1004	25754 MB	0 %
/run/user/1005	25754 MB	0 %
/run/user/0	25754 MB	0 %

/run/user/1002	25754 MB	0 %
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## Instance S4H\_D01\_s4hana Summary

Metrics	Status
Response Times	Green
Runtime Dumps	Green
Update Monitoring	Green
Memory Utilization	Red
CPU Utilization	Green
File System	Green

### Monitoring Check List as on 2023-07-06 09:03 AM

Task	T-Code	Status/Observations	Errors/Comments
Application Servers	SM51	All instances are active	
Systemwide Workstatus Process	SM50/SM51/SM66	DIA: 10 (Total) UPD: 2 (Total) BTC: 6 (Total) SPO: 1 (Total) UP2: 1 (Total)	
No. of users logged in	AL08	43 user sessions	
Total ABAP Dumps	ST22	Runtime Error: 0	
Update Failures	SM13	Update Errors: 0	
System Log Check	SM21	All OK	
CPU Utilization per Server	ST06	CPU Utilization - 10 %	
Review system logs for problems.	ST06 (Memory utilisation per)	Physical Memory: 257547 MB Free Memory: 4413 MB Free Swap Size: 25074 MB Actual Swap Size: 31763 MB	
Response Time	ST03N (Total)	90 msec	
Response Time Dialog	ST03N (Total)	298 msec	
Database Response Time	ST03N (Total)	63 msec	

## 1 Application

### 1.1 Workprocess

Instance	No	Typ	Start	CPU
s4hana_S4H_01	0	DIA	yes	7:37:13
s4hana_S4H_01	1	DIA	yes	7:15:19
s4hana_S4H_01	2	DIA	yes	8:33:34
s4hana_S4H_01	3	DIA	yes	7:48:44
s4hana_S4H_01	4	DIA	yes	7:50:42
s4hana_S4H_01	5	DIA	yes	7:47:46

s4hana_S4H_01	6	DIA	yes	7:46:25
s4hana_S4H_01	7	DIA	yes	8:19:46
s4hana_S4H_01	8	DIA	yes	8:22:09
s4hana_S4H_01	9	DIA	yes	8:16:07
s4hana_S4H_01	10	UPD	yes	0:00:39
s4hana_S4H_01	11	BTC	yes	1:43:09
s4hana_S4H_01	12	BTC	yes	2:05:46
s4hana_S4H_01	13	BTC	yes	2:00:14
s4hana_S4H_01	14	BTC	yes	1:31:13
s4hana_S4H_01	15	BTC	yes	1:49:16
s4hana_S4H_01	16	BTC	yes	1:39:12
s4hana_S4H_01	17	SPO	yes	0:00:45
s4hana_S4H_01	18	UP2	yes	105:30:44
s4hana_S4H_01	23	UPD	yes	0:00:02

## 1.2 Response Times

Response Time	value
ResponseTime	90 msec
ResponseTimeDialog	298 msec
ResponseTimeDialogRFC	190 msec
ResponseTimeHTTP	383 msec
FrontendResponseTime	187 msec
QueueTime	1 msec
Load+GenTime	1 msec
RollTime	43 msec
DBRequestTime	63 msec
Utilisation	6 %
PrivMode Utilisation	0 %
NumberOfWpDIA	10
ErrorsInWpDIA	0
ErrorFreqInWpDIA	0.0 /min
EndedWpDIA	0
QueueLength	0 %
LongRunners	0 sec
ProgramErrors	ABAP Error: [A table could not be redirected.] in Report[CL_MES_DRF_GOODSMOV_FILT=====CP] in SNAP:[20230514205614s4hana_S4H_01] (User 300:S4RKUSER22 )
DialogSteps	54 /min

GuiCallbackTime	45 msec
FrontEndNetTime	52 msec
MonitoringTime	0.157 msec
ResponseTime(StandardTran.)	12 msec
LogonLoadQuality	6
LogonLoadMessage	Preferred instance selected for logon group SPACE: s4hana_S4H_01
UsersLoggedIn	43

### 1.3 Runtime Dumps

Dumps	value
Shortdumps	Shortdump: [Maximum string length exceeded] in Report[CL_ABAP_STRUCTDESCR=====CP] in SNAP:[20230515080334s4hana_S4H_01] (User 300:ESTADMIN )
Shortdumps Frequency	0 /min

### 1.4 Buffer

Buffer Type	metric	value
Program	DirectoryUsed	9 %
Program	SpaceUsed	100 %
Program	HitRatio	100 %
Program	Swap	10.7 /min
TableBuffer	DirectoryUsed	25 %
TableBuffer	SpaceUsed	90 %
TableBuffer	HitRatio	100 %
TableBuffer	Swap	0.0 /min
Screen	DirectoryUsed	27 %
Screen	SpaceUsed	78 %
Screen	HitRatio	99 %
Screen	Swap	0.0 /min
CUA	DirectoryUsed	5 %
CUA	SpaceUsed	75 %
CUA	HitRatio	100 %
CUA	Swap	0.0 /min
TableDefinition	DirectoryUsed	- %
TableDefinition	SpaceUsed	- %
TableDefinition	HitRatio	- %
TableDefinition	Swap	- /min
FieldDescription	DirectoryUsed	- %



FieldDescription	SpaceUsed	- %
FieldDescription	HitRatio	- %
FieldDescription	Swap	- /min
InitialRecords	DirectoryUsed	- %
InitialRecords	SpaceUsed	- %
InitialRecords	HitRatio	- %
InitialRecords	Swap	- /min
ShortNameTAB	DirectoryUsed	- %
ShortNameTAB	SpaceUsed	- %
ShortNameTAB	HitRatio	- %
ShortNameTAB	Swap	- /min
Calendar	DirectoryUsed	92 %
Calendar	SpaceUsed	79 %
Calendar	HitRatio	100 %
Calendar	Swap	0.0 /min
Export/import	DirectoryUsed	100 %
Export/import	SpaceUsed	21 %
Export/import	HitRatio	100 %
Export/import	Swap	28.9 /min
OTR	DirectoryUsed	100 %
OTR	SpaceUsed	19 %
OTR	HitRatio	97 %
OTR	Swap	0.7 /min
Exp./ Imp. SHM	DirectoryUsed	0 %
Exp./ Imp. SHM	SpaceUsed	8 %
Exp./ Imp. SHM	HitRatio	100 %
Exp./ Imp. SHM	Swap	0.0 /min
NumberRange	MaxNoEntries	5000
NumberRange	FreeEntries	4862

## 1.5 Update

Update Type Type	metric	value
PerformanceU1	ResponseTime	102 msec
PerformanceU1	QueueTime	0 msec
PerformanceU1	Utilisation	0 %
PerformanceU1	NumberOfWpUD1	2
PerformanceU1	ErrorsInWpUD1	0
PerformanceU1	ErrorFreqInWpUD1	0.0 /min

PerformanceU1	EndedWpUD1	0
PerformanceU2	ResponseTime	2456762 msec
PerformanceU2	QueueTime	2329134 msec
PerformanceU2	Utilisation	98 %
PerformanceU2	NumberOfWpUD2	1
PerformanceU2	ErrorsInWpUD2	0
PerformanceU2	ErrorFreqInWpUD2	0.0 /min
PerformanceU2	EndedWpUD2	0
Update	AbapErrorInUpdate	ABAP Error in Update:[Update canceled by a message ] User=300:S4TMUSER107 VBKey = 781EFD7FA5C70060E00645A3A26709CE, Transaction = SPRO

## 2 OS

### 2.1 Memory

Type of memory	value
Free Memory	4264 MB
Configured Memory	257547 MB
Physical	257547 MB
Free (Value)	4413 MB
Swap Free	25074 MB
Swap Configured	31763 MB
Swap Size	31763 MB
Swap Maximum Size	31763 MB
Free Including Fs Cache	6572 MB
Free	1 MB
Pages In	0 Pg/S
Pages Out	0 Pg/S
Page In	1 KB/s
Page Out	0 KB/s
Page In of RAM	0 %/h
Page Out of RAM	0 %/h

### 2.2 CPU

Type of CPU	value
CPU_Utilization	10 %
CPU I/O Waiting	1 %
5minLoadAverage	4.15 QL

User Utilization	10 %
System Utilization	0 %
Idle	89 %
Idle True	90 %
Interrupts	8673 /sec
System Calls	0 /sec
Context Switches	26900 /sec
Number of CPUs	32
Utilization	10 %
I/O Wait	1 %

## 2.3 File System

File System	Available	Use %
/dev	128764 MB	0 %
/dev/shm	216983 MB	0 %
/run	127963 MB	0 %
/sys/fs/cgroup	128773 MB	0 %
/	177415 MB	13 %
/hana	307549 MB	49 %
/usr/sap	46698 MB	54 %
/boot/efi	493 MB	1 %
/run/user/470	25754 MB	0 %
/run/user/1001	25754 MB	0 %
/run/user/468	- MB	- %
/run/user/1002	25754 MB	0 %
/run/user/1004	25754 MB	0 %
/run/user/1005	25754 MB	0 %
/run/user/0	25754 MB	0 %