

# SAP Health Check Report

OS Information		DB Information	
Operating System	Microsoft_Windows_Server	DB System	HANA
Server Name	DC_BW_DEV_S4H	DB Version	2.0
Network Address	s4hana.estservers.com	System SID	S4H
Release	10	Environment	DEV

Other Information	
Status	Completed
Run By	ravikumar.k@canopusgbs.com
Run At	2022-10-20 11:45:48

Health Check Program Details		
Solution	System	Health Check
BW	DC_BW_DEV_S4H	All

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# SUMMARY

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

## Instance Status/Details

Instance Name	Instance Number	Features	Port	Status
s4hana_2	2	MESSAGESERVER ENQUE	50213	All OK
s4hana_1	1	ABAP GATEWAY ICMAN IGS	50113	All OK

## Monitoring Check List as on 2022-10-20 11:45 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: 1 (Total) BTC: 6 (Total) SPO: 1 (Total) UP2: 1 (Total)	
No. of users logged in	AL08	17 user sessions	
Total ABAP Dumps	ST22	Runtime Error: 0	
Update Failures	SM13	Update Errors: 0	
Enque Locks	SM12	Total Locks: 3 >1 Day Old Locks: 3	
System Log Check	SM21	All OK	

Checking SAP Buffer Quality	ST02	Program - 100 % TableBuffer - 100 % Screen - 100 % CUA - 100 % TableDefinition - 100 % FieldDescription - 0 % InitialRecords - 86 % ShortNameTAB - 0 % Calendar - 100 % Export/import - 100 % OTR - 96 % Exp./ Imp. SHM - 100 %	
DataBase Backup (Data Backup)	DB12	entry id - 1665091336040 backup id - 1665091336040 state - successful	
DataBase Backup (Data Backup)	DB12	entry id - 1666246467969 backup id - 1666246467969 state - successful	
CPU Utilization per Server	ST06	CPU Utilization - 6 %	
Review system logs for problems.	ST06 (Memory utilisation per)	Physical Memory: 257547 MB Free Memory: 8828 MB Free Swap Size: 11728 MB Actual Swap Size: 31763 MB	
Database Time	ST03N (Total)	571 msec	
Processing Time	ST03N (Total)	571 msec	
Avg. Response Time	ST03N (Total)	571 msec	

# 1 Application

## 1.1 Workprocess

Instance	No	Typ	Start	CPU
s4hana_S4H_01	0	DIA	yes	59:35:22
s4hana_S4H_01	1	DIA	yes	59:41:30
s4hana_S4H_01	2	DIA	yes	57:25:20
s4hana_S4H_01	3	DIA	yes	59:11:48
s4hana_S4H_01	4	DIA	yes	60:34:22
s4hana_S4H_01	5	DIA	yes	67:42:01
s4hana_S4H_01	6	DIA	yes	67:19:12
s4hana_S4H_01	7	DIA	yes	64:09:02
s4hana_S4H_01	8	DIA	yes	60:42:58
s4hana_S4H_01	9	DIA	yes	28:53:48
s4hana_S4H_01	10	UPD	yes	0:02:40
s4hana_S4H_01	11	BTC	yes	7:37:35
s4hana_S4H_01	12	BTC	yes	7:04:53
s4hana_S4H_01	13	BTC	yes	6:26:39
s4hana_S4H_01	14	BTC	yes	7:46:38
s4hana_S4H_01	15	BTC	yes	7:18:58
s4hana_S4H_01	16	BTC	yes	8:15:55
s4hana_S4H_01	17	SPO	yes	0:04:09
s4hana_S4H_01	18	UP2	yes	28:47:18

## 1.2 Response Times

Response Time	value
ResponseTime	571 msec
ResponseTimeDialog	1728 msec
ResponseTimeDialogRFC	425 msec
ResponseTimeHTTP	70 msec
FrontendResponseTime	1312 msec
QueueTime	0 msec
Load+GenTime	1 msec
RollTime	544 msec
DBRequestTime	24 msec
Utilisation	11 %
PrivMode Utilisation	0 %
NumberOfWpDIA	10
ErrorsInWpDIA	0

ErrorFreqInWpDIA	0.0 /min
EndedWpDIA	0
QueueLength	0 %
LongRunners	484 sec
ProgramErrors	ABAP Error: [A table could not be redirected.] in Report[CL_MES_DRF_GOODSMOV_FILT=====CP] in SNAP:[20221019223322s4hana_S4H_01] (User 300:RFC_USER )
DialogSteps	4 /min
GuiCallbackTime	544 msec
FrontEndNetTime	198 msec
MonitoringTime	0.342 msec
ResponseTime(StandardTran.)	12 msec
LogonLoadQuality	6
LogonLoadMessage	Preferred instance selected for logon group SPACE: s4hana_S4H_01
UsersLoggedIn	17

### 1.3 Runtime Dumps

Dumps	value
Shortdumps	Shortdump: [Maximum string length exceeded] in Report[CL_ABAP_STRUCTDESCR=====CP] in SNAP:[20221020113401s4hana_S4H_01] (User 200:SREE )
Shortdumps Frequency	0 /min

### 1.4 Buffer

Buffer Type	metric	value
Program	DirectoryUsed	7 %
Program	SpaceUsed	100 %
Program	HitRatio	100 %
Program	Swap	1.2 /min
TableBuffer	DirectoryUsed	63 %
TableBuffer	SpaceUsed	97 %
TableBuffer	HitRatio	100 %
TableBuffer	Swap	0.0 /min
Screen	DirectoryUsed	35 %
Screen	SpaceUsed	62 %
Screen	HitRatio	100 %
Screen	Swap	0.0 /min
CUA	DirectoryUsed	5 %

CUA	SpaceUsed	75 %
CUA	HitRatio	100 %
CUA	Swap	0.0 /min
TableDefinition	DirectoryUsed	65 %
TableDefinition	SpaceUsed	18 %
TableDefinition	HitRatio	100 %
TableDefinition	Swap	0.0 /min
FieldDescription	DirectoryUsed	0 %
FieldDescription	SpaceUsed	0 %
FieldDescription	HitRatio	0 %
FieldDescription	Swap	0.0 /min
InitialRecords	DirectoryUsed	85 %
InitialRecords	SpaceUsed	17 %
InitialRecords	HitRatio	86 %
InitialRecords	Swap	0.0 /min
ShortNameTAB	DirectoryUsed	0 %
ShortNameTAB	SpaceUsed	0 %
ShortNameTAB	HitRatio	0 %
ShortNameTAB	Swap	0.0 /min
Calendar	DirectoryUsed	91 %
Calendar	SpaceUsed	79 %
Calendar	HitRatio	100 %
Calendar	Swap	0.0 /min
Export/import	DirectoryUsed	100 %
Export/import	SpaceUsed	23 %
Export/import	HitRatio	100 %
Export/import	Swap	0.5 /min
OTR	DirectoryUsed	100 %
OTR	SpaceUsed	19 %
OTR	HitRatio	96 %
OTR	Swap	0.0 /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	4690

## 1.5 Update

Update Type Type	metric	value
PerformanceU1	ResponseTime	6 msec
PerformanceU1	QueueTime	0 msec
PerformanceU1	Utilisation	0 %
PerformanceU1	NumberOfWpUD1	1
PerformanceU1	ErrorsInWpUD1	0
PerformanceU1	ErrorFreqInWpUD1	0.0 /min
PerformanceU1	EndedWpUD1	0
PerformanceU2	ResponseTime	18 msec
PerformanceU2	QueueTime	0 msec
PerformanceU2	Utilisation	0 %
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:S4TMUSER187 VBKey = 781EFD7FA5C70030E006347E18EA8A93, Transaction =

## 2 OS

### 2.1 Memory

Type of memory	value
Free Memory	8873 MB
Configured Memory	257547 MB
Physical	257547 MB
Free (Value)	8828 MB
Swap Free	11728 MB
Swap Configured	31763 MB
Swap Size	31763 MB
Swap Maximum Size	31763 MB
Free Including Fs Cache	12714 MB
Free	3 MB
Pages In	0 Pg/S
Pages Out	0 Pg/S
Page In	0 KB/s
Page Out	0 KB/s
Page In of RAM	0 %/h

Page Out of RAM	0 %/h
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## 2.2 CPU

Type of CPU	value
CPU I/O Waiting	1 %
5minLoadAverage	1.99 QL
Idle True	94 %
Interrupts	8464 /sec
System Calls	0 /sec
Context Switches	20131 /sec
Number of CPUs	32
CPU_Utilization	6 %
Utilization	6 %
I/O Wait	1 %
System Utilization	0 %
User Utilization	6 %
Idle	93 %

## 2.3 File System

File System	Available	Use %
/dev	128763 MB	0 %
/dev/shm	216965 MB	0 %
/run	127963 MB	1 %
/sys/fs/cgroup	128773 MB	0 %
/	188424 MB	8 %
/usr/sap	53279 MB	48 %
/hana	171844 MB	72 %
/boot/efi	493 MB	1 %
/run/user/470	25754 MB	0 %
/run/user/0	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 %