

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 2023-09-14 10:46 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 % |
|----------------|----------|-----|

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 2023-09-14 10:46 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 % |