

# 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 2024-01-24 12:28 PM

| Task                             | T-Code                           | Status/Observations                                                                                          | Errors/Comments |
|----------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------|
| Enque Locks                      | SM12                             | Total Locks: 211<br>>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<br>(Memory utilisation per) | Physical Memory: 257547 MB<br>Free Memory: 4413 MB<br>Free Swap Size: 25074 MB<br>Actual Swap Size: 31763 MB |                 |

## 1 Application

### Enque Locks

| Enque Locks | value                                     |
|-------------|-------------------------------------------|
| Enque Locks | Total Locks: 211<br>>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 2024-01-24 12:28 PM

| Task                             | T-Code                           | Status/Observations                                                                                          | Errors/Comments |
|----------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------|-----------------|
| Application Servers              | SM51                             | All instances are active                                                                                     |                 |
| Systemwide Workstatus Process    | SM50/SM51/SM66                   | DIA: 10 (Total)<br>UPD: 2 (Total)<br>BTC: 6 (Total)<br>SPO: 1 (Total)<br>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<br>(Memory utilisation per) | Physical Memory: 257547 MB<br>Free Memory: 4413 MB<br>Free Swap Size: 25074 MB<br>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:<br>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<br>VBKey =<br>781EFD7FA5C70060E00645A3A26709CE,<br>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 %   |