

BEFORE

The image shows two screenshots of the iLO 5 web interface. The top screenshot displays the 'Information - iLO Overview' page, and the bottom screenshot displays the 'System Information - Health Summary' page.

Information - iLO Overview

Information

Server Name	SAP2019_DB
Product Name	ProLiant DL380 Gen10
UUID	37383638-3430-4753-4839-313158384348
Server Serial Number	SGH911XBCK
Product ID	868704-B21
System ROM	U30 v2.00 (02/02/2019)
System ROM Date	02/02/2019
Redundant System ROM	02/02/2019
Integrated Remote Console	HTML5 _NET_ Java Web Start
License Type	iLO Advanced
iLO Firmware Version	1.40 Feb 05 2019
IP Address	192.168.204.20
Link-Local IPv6 Address	FE80:AF1E:AFFE:91:114C
iLO Hostname	ILOSGH911XBCK

Status

System Health	OK
iLO Health	OK
iLO Security	Ignored
Server Power	ON
UID Indicator	UID OFF
TPM Status	Not Present
SD-Card Status	Not Present
iLO Date/Time	Tue Jul 23 19:43:06 2024

Connection to HPE

Remote_Support_Registration_Error

System Information - Health Summary

Subsystems and Devices

Subsystems and Devices	Status
Agentless Management Service	Not available
BIOS/hardware Health	OK
Fan Redundancy	Redundant
Fans	OK
Memory	OK
Network	OK
Power	Redundant
Power Supplies	OK
Processors	OK
Smart Storage Energy Pack	OK
Storage	OK
Temperatures	OK

System Information - Processor Information

Summary Processors Memory Network Device Inventory Storage

Processor 1

Processor Name	Intel(R) Xeon(R) Gold 5120 CPU @ 2.20GHz
Processor Status	OK
Processor Speed	2200 MHz
Execution Technology	14/14 cores; 28 threads
Memory Technology	64-bit Capable
Internal L1 cache	896 KB
Internal L2 cache	14336 KB
Internal L3 cache	19712 KB

Processor 2

Processor Name	Intel(R) Xeon(R) Gold 5120 CPU @ 2.20GHz
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System Information - Memory Information

Summary Processors Memory Network Device Inventory Storage

AMP Status

AMP Mode Status	A3DC
Configured AMP Mode	A3DC

Supported AMP Modes

- Advanced ECC
- Online Spare (Rank Sparing)
- Intrsocket Mirroring
- A3DC

Memory Summary

Location	Total Memory Slots	Total Memory	Operating Frequency
Processor 1	12	32 GB	2400 MHz
Processor 2	12	32 GB	2400 MHz

Physical Memory

(show empty memory slots)

Socket Locator	Status	Size	Max Supported Frequency	Technology
PROC 1 DIMM 8	Good, In Use	32.00 GB	2400 MHz	RDIMM
PROC 2 DIMM 8	Good, In Use	32.00 GB	2400 MHz	RDIMM

System Information - NIC Information

Summary Processors Memory **Network** Device Inventory Storage

Physical Network Adapters

Adapter 1 - HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adprt

Location Embedded ALOM
Firmware 10.4.3
Status ● OK

Network Ports

Port	MAC Address	IPv4 Address	IPv6 Address	Status	Team/Bridge
1	48df37:73:2cc0	N/A	N/A	● OK	N/A
2	48df37:73:2cc8	N/A	N/A	● OK	N/A

Adapter 2 - HPE Ethernet 1Gb 4-port 331i Adapter - NIC

Location Embedded LOM
Firmware 20.14.54
Status ● OK

Network Ports

Port	MAC Address	IPv4 Address	IPv6 Address	Status	Team/Bridge
1	08f1:ea9:11:11:4e	N/A	N/A	● OK	N/A
2	08f1:ea9:11:11:4f	N/A	N/A	● Unknown	N/A
3	08f1:ea9:11:11:50	N/A	N/A	● OK	N/A
4	08f1:ea9:11:11:51	N/A	N/A	● OK	N/A

System Information - Device Inventory

Summary Processors Memory Network **Device Inventory** Storage

Device Inventory (show empty slots)

MCTP Discovery: Enabled Discovery

Location	Product Name	Product Version	Firmware Version	Status
Embedded ALOM	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adprt	00	10.4.3	● Enabled
Embedded Device	HPE Smart Storage Battery	01	0.70	● Enabled
Embedded Device	Embedded Video Controller		2.5	● Enabled
Embedded LOM	HPE Ethernet 1Gb 4-port 331i Adapter - NIC		20.14.54	● Enabled
PCI-E Slot 1	HPE Smart Array P824i-p MR Gen10	0A	24.23.0-0042	● Unknown

System Information - Storage Information

Summary Processors Memory Network Device Inventory **Storage**

iLO did not detect the Agentless Management Service when this page was loaded. To view a full set of data on this page, ensure that AMS is installed and running. The SAS/SATA controller information is displayed only when AMS is ready on the server. [Learn More](#)

Storage Information

[Collapse All](#)

Controller on slot 1

Controller Status: Unknown
 Serial Number: PWEYV0ACDAM0FA
 Model: HPE Smart Array P824i-p MR Gen10
 Firmware Version: 24.23.0-0042
 Controller Type: SAS/SATA

Firmware & OS Software - Installed Firmware


Firmware Software Maintenance Windows iLO Repository Install Sets Installation Queue

Firmware Name	Firmware Version	Location
iLO 5	1.40 Feb 05 2019	System Board
System ROM	U30 v2.00 (02/02/2019)	System Board
Intelligent Platform Abstraction Data	8.9.0 Build 38	System Board
System Programmable Logic Device	0x2E	System Board
Power Management Controller Firmware	1.0.4	System Board
Power Supply Firmware	1.00	Bay 1
Power Supply Firmware	1.00	Bay 2
Innovation Engine (IE) Firmware	0.2.0.11	System Board
Server Platform Services (SPS) Firmware	4.1.4.251	System Board
Redundant System ROM	U30 v2.00 (02/02/2019)	System Board
Intelligent Provisioning	3.30.213	System Board
Power Management Controller FW Bootloader	1.1	System Board
HPE Smart Storage Battery 1 Firmware	0.70	Embedded Device
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adptr	10.4.3	Embedded ALOM
HPE Ethernet 1Gb 4-port 331i Adapter - NIC	20.14.54	Embedded LOM
HPE Smart Array P824i-p MR Gen10	24.23.0-0042	PCI-E Slot 1
Embedded Video Controller	2.5	Embedded Device

Update Firmware
 Upload to iLO Repository
 Add to Queue

Information

- System Information
- Firmware & OS Software
- iLO Federation
- Remote Console & Media
- Power & Thermal**
- Intelligent System Tuning
- iLO Dedicated Network Port
- iLO Shared Network Port
- Remote Support
- Administration
- Security
- Management
- Intelligent Provisioning



Power & Thermal - Power Information

Server Power | Power Meter | Power Settings | **Power** | Fans | Temperatures

Present Power Reading 146 Watts
Power Management Controller Firmware Version 1.0.4
Power Status Redundant
Power Discovery Services Status N/A
High Efficiency Mode Balanced

Power Supplies


Bay	Present	Status	PDS	Hotplug	Model	Spare	Serial Number	Capacity	Firmware
1	OK	Good, In Use	No	Yes	865414-B21	866730-001	5WBXUODLLBX2EV	800 Watts	1.00
2	OK	Good, In Use	No	Yes	865414-B21	866730-001	5WBXUODLLBX2E2	800 Watts	1.00

Smart Storage Energy Pack

Index	Present	Status	Model	Spare	Serial Number	Type	Firmware
1	OK	OK	875241-B21	878643-001	6WQXLOCB2B11A2	96W	0.70

Information

- System Information
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- Intelligent Provisioning



Power & Thermal - Fan Information

Server Power | Power Meter | Power Settings | Power | **Fans** | Temperatures

Fans

Fan	Location	Status	Speed
Fan 1	System	OK	20%
Fan 2	System	OK	20%
Fan 3	System	OK	20%
Fan 4	System	OK	20%
Fan 5	System	OK	20%
Fan 6	System	OK	20%

Browser window: iLO 5 (1.40 Feb 05 2019) | URL: https://192.168.204.20

System Information - NIC Information

Summary

HPE ProLiant

Hewlett Packard Enterprise

HPE ProLiant System BIOS U30 v2.00 (02/02/2019)
 (C) Copyright 1982-2019 Hewlett Packard Enterprise Development LP
 Early system initialization, please wait...

Adaptive System Configuration

Network Port 1: 192.168.204.20
 Network Port 2: FE20:0AF1:5BF7:FE91:114C

Port	MAC	POST Code	Status
1	08f1:5a91:11:51	N/A	N/A
2		N/A	OK
3		N/A	N/A
4		N/A	N/A

Browser window: iLO 5 (1.40 Feb 05 2019) | URL: https://192.168.204.20

System Information - NIC Information

Summary

Network

Collapsible All

Physical

SUSE

SLES 12-SP4

Advanced options for SLES 12-SP4

The highlighted entry will be executed automatically in 1s.

SAP2019DB:/ # lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
sda	8:0	0	446.6G	0	disk	
├─sda1	8:1	0	501M	0	part	/boot
├─sda2	8:2	0	196M	0	part	/boot/efi
└─sda3	8:3	0	446G	0	part	
├─vg_sapdbraid1-lv_root	254:0	0	55G	0	lvm	/
├─vg_sapdbraid1-lv_swap	254:1	0	75G	0	lvm	[SWAP]
├─vg_sapdbraid1-lv_cgroup	254:23	0	32G	0	lvm	
├─vg_sapdbraid1-lv_detaillog	254:24	0	10G	0	lvm	/ZZPOS_DETAIL_LOG
├─vg_sapdbraid1-lv_devshm	254:25	0	32G	0	lvm	
├─vg_sapdbraid1-lv_oracleclient	254:26	0	5.1G	0	lvm	/oracle/client
├─vg_sapdbraid1-lv_run	254:27	0	32G	0	lvm	
├─vg_sapdbraid1-lv_sapsource	254:28	0	45G	0	lvm	/sapsource
├─vg_sapdbraid1-lv_source	254:29	0	4.8G	0	lvm	/source
├─vg_sapdbraid1-lv_stage112_64	254:30	0	10G	0	lvm	/oracle/stage/112_64
├─vg_sapdbraid1-lv_stage12102	254:31	0	10G	0	lvm	/oracle/stage/12102
├─vg_sapdbraid1-lv_tmp	254:32	0	4.8G	0	lvm	/tmp
└─vg_sapdbraid1-lv_jagdata	254:33	0	130.2G	0	lvm	/jagdata
sdb	8:16	0	12.2T	0	disk	
└─sdb1	8:17	0	12.2T	0	part	
├─vg_sapdbraid10-lv_jpr112_64	254:3	0	10G	0	lvm	/oracle/JPR/112_64
├─vg_sapdbraid10-lv_jpr12102	254:4	0	5G	0	lvm	/oracle/JPR/12102
├─vg_sapdbraid10-lv_mirrlogA	254:5	0	50G	0	lvm	/oracle/JPR/mirrlogA
├─vg_sapdbraid10-lv_mirrlogB	254:6	0	50G	0	lvm	/oracle/JPR/mirrlogB
├─vg_sapdbraid10-lv_oraarch	254:7	0	100G	0	lvm	/oracle/JPR/oraarch
├─vg_sapdbraid10-lv_oracle	254:8	0	10G	0	lvm	/oracle
├─vg_sapdbraid10-lv_oraclejpr	254:9	0	15G	0	lvm	/oracle/JPR
├─vg_sapdbraid10-lv_origlogA	254:10	0	50G	0	lvm	/oracle/JPR/origlogA
├─vg_sapdbraid10-lv_origlogB	254:11	0	50G	0	lvm	/oracle/JPR/origlogB
├─vg_sapdbraid10-lv_sapdata1	254:12	0	700G	0	lvm	/oracle/JPR/sapdata1
├─vg_sapdbraid10-lv_sapdata2	254:13	0	2T	0	lvm	/oracle/JPR/sapdata2
├─vg_sapdbraid10-lv_sapdata3	254:14	0	2T	0	lvm	/oracle/JPR/sapdata3
├─vg_sapdbraid10-lv_sapdata4	254:15	0	2T	0	lvm	/oracle/JPR/sapdata4
├─vg_sapdbraid10-lv_sapdata5	254:16	0	2T	0	lvm	/oracle/JPR/sapdata5
├─vg_sapdbraid10-lv_sapdata6	254:17	0	2T	0	lvm	/oracle/JPR/sapdata6
├─vg_sapdbraid10-lv_sapdata7	254:18	0	1.1T	0	lvm	/oracle/JPR/sapdata7
├─vg_sapdbraid10-lv_sapmntjpr	254:19	0	20G	0	lvm	/sapmnt/JPR
├─vg_sapdbraid10-lv_sapreorg	254:20	0	50G	0	lvm	/oracle/JPR/sapreorg
├─vg_sapdbraid10-lv_usrsap	254:21	0	5G	0	lvm	/usr/sap
└─vg_sapdbraid10-lv_usrsapjpr	254:22	0	50G	0	lvm	/usr/sap/JPR
sdc	8:32	0	1.7T	0	disk	
└─sdc1	8:33	0	1.7T	0	part	
├─vg_sapbackup-lv_sapbackup	254:2	0	1.7T	0	lvm	/sapbackup_usb
sdd	8:48	0	3.7T	0	disk	
└─sdd1	8:49	0	3.7T	0	part	

```
SAP2019DB:/ # df -kh
Filesystem                Size  Used Avail Use% Mounted on
devtmpfs                  32G   0    32G   0% /dev
tmpfs                     32G   80K   32G   1% /dev/shm
tmpfs                     32G  12M   32G   1% /run
tmpfs                     32G   0    32G   0% /sys/fs/cgroup
/dev/mapper/vg_sapdbraid1-lv_root  54G  5.6G  48G  11% /
/dev/sda1                  478M   50M  399M  12% /boot
/dev/sda2                  196M  4.7M  192M   3% /boot/efi
/dev/mapper/vg_sapbackup-lv_sapbackup  1.7T   94G  1.6T   6% /sapbackup_usb
/dev/mapper/vg_sapdbraid1-lv_source  4.7G   20M  4.4G   1% /source
/dev/mapper/vg_sapdbraid1-lv_tmp    4.7G  3.5G  941M  80% /tmp
/dev/mapper/vg_sapdbraid1-lv_detaillog  9.8G   37M  9.3G   1% /ZZPOS_DETAIL_LOG
/dev/mapper/vg_sapdbraid1-lv_jagdata 128G   61M 121G   1% /jagdata
/dev/mapper/vg_sapdbraid1-lv_sapsource  45G   45G  496M  99% /sapsource
/dev/mapper/vg_sapdbraid1-lv_ursap   5.0G  265M  4.8G   6% /usr/sap
/dev/mapper/vg_sapdbraid10-lv_ursapjpr  50G   15G   36G  29% /usr/sap/JPR
/dev/mapper/vg_sapdbraid10-lv_sapmntjpr  20G   6.0G   15G  30% /sapmnt/JPR
/dev/mapper/vg_sapdbraid10-lv_oracle  10G   35M   10G   1% /oracle
/dev/mapper/vg_sapdbraid1-lv_oracleclient  5.2G  179M  5.0G   4% /oracle/client
/dev/mapper/vg_sapdbraid1-lv_stage12102  10G   33M   10G   1% /oracle/stage/12102
/dev/mapper/vg_sapdbraid1-lv_stage112_64  10G   33M   10G   1% /oracle/stage/112_64
/dev/mapper/vg_sapdbraid10-lv_oraclejpr  15G   11G  4.9G  68% /oracle/JPR
/dev/mapper/vg_sapdbraid10-lv_sapdata1  700G  310G  391G  45% /oracle/JPR/sapdata1
/dev/mapper/vg_sapdbraid10-lv_jpr12102  5.0G   33M  5.0G   1% /oracle/JPR/12102
/dev/mapper/vg_sapdbraid10-lv_origlogA   50G   21G   30G  41% /oracle/JPR/origlogA
/dev/mapper/vg_sapdbraid10-lv_sapdata6  2.0T  2.0T   77G  97% /oracle/JPR/sapdata6
/dev/mapper/vg_sapdbraid10-lv_sapdata3  2.0T  2.0T   90G  96% /oracle/JPR/sapdata3
/dev/mapper/vg_sapdbraid10-lv_oraarch  100G  1.9G   99G   2% /oracle/JPR/oraarch
/dev/mapper/vg_sapdbraid10-lv_jpr112_64  10G   4.0G  6.1G  40% /oracle/JPR/112_64
/dev/mapper/vg_sapdbraid10-lv_mirrlogB   50G   21G   30G  41% /oracle/JPR/mirrlogB
/dev/mapper/vg_sapdbraid10-lv_mirrlogA   50G   21G   30G  41% /oracle/JPR/mirrlogA
/dev/mapper/vg_sapdbraid10-lv_sapdata2  2.0T  2.0T   70G  97% /oracle/JPR/sapdata2
/dev/mapper/vg_sapdbraid10-lv_origlogB   50G   21G   30G  41% /oracle/JPR/origlogB
/dev/mapper/vg_sapdbraid10-lv_sapdata7  1.1T  1.1T   52G  96% /oracle/JPR/sapdata7
/dev/mapper/vg_sapdbraid10-lv_sapdata5  2.0T  1.9T  111G  95% /oracle/JPR/sapdata5
/dev/mapper/vg_sapdbraid10-lv_sapdata4  2.0T  2.0T   78G  97% /oracle/JPR/sapdata4
/dev/mapper/vg_sapdbraid10-lv_sapreorg   50G  179M   50G   1% /oracle/JPR/sapreorg
JAGSAPDEV:/usr/sap/trans  45G   24G   22G  52% /usr/sap/trans
tmpfs                     6.3G   0    6.3G   0% /run/user/1003
tmpfs                     6.3G   0    6.3G   0% /run/user/1001
tmpfs                     6.3G   0    6.3G   0% /run/user/605
tmpfs                     6.3G  8.0K   6.3G   1% /run/user/606
tmpfs                     6.3G   0    6.3G   0% /run/user/0
```

```
SAP2019DB:/ #
```

```
SAP2019DB:/ # parted
GNU Parted 3.1
Using /dev/sda
Welcome to GNU Parted! Type 'help' to view a list of commands.
(parted) print
Model: HPE P824i-p MR Gen10 (scsi)
Disk /dev/sda: 480GB
Sector size (logical/physical): 512B/4096B
Partition Table: gpt
Disk Flags:

Number  Start   End     Size    File system  Name  Flags
  1      1049kB  526MB  525MB   ext4
  2      526MB  732MB  206MB   fat16        boot
  3      732MB  480GB  479GB   lvm
```

```
(parted) █
```

```
SAP2019DB:/ # pvs
/dev/sde: open failed: No medium found
PV          VG          Fmt Attr PSize  PFree
/dev/sda3   vg_sapdbraid1 lvm2 a--  445.94g  0
/dev/sdb1   vg_sapdbraid10 lvm2 a--  12.22t  4.00m
/dev/sdc1   vg_sapbackup    lvm2 a--  1.64t  4.00m
```

```
SAP2019DB:/ #
```

```
SAP2019DB:/ # pvdisplay
/dev/sde: open failed: No medium found
--- Physical volume ---
PV Name          /dev/sdc1
VG Name          vg_sapbackup
PV Size          1.64 TiB / not usable 2.00 MiB
Allocatable      yes
PE Size          4.00 MiB
Total PE         429103
Free PE          1
Allocated PE     429102
PV UUID          Ekz27g-fBu7-1XSK-BDNp-HROp-NTMp-143rg6

--- Physical volume ---
PV Name          /dev/sdb1
VG Name          vg_sapdbraid10
PV Size          12.22 TiB / not usable 0
Allocatable      yes
PE Size          4.00 MiB
Total PE         3203400
Free PE          1
Allocated PE     3203399
PV UUID          5TyYFJ-D7ay-Pj60-BTQk-c6xC-nUNI-3mt6Nt

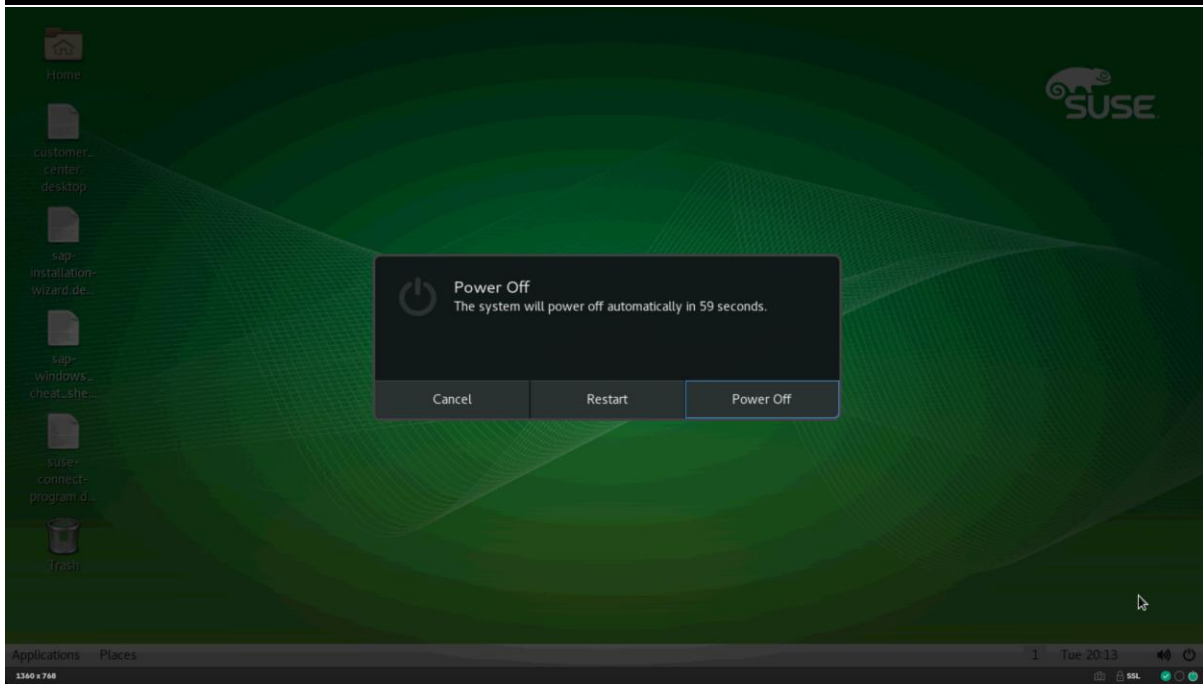
--- Physical volume ---
PV Name          /dev/sda3
VG Name          vg_sapdbraid1
PV Size          445.94 GiB / not usable 0
Allocatable      yes (but full)
PE Size          4.00 MiB
Total PE         114161
Free PE          0
Allocated PE     114161
PV UUID          jJ3lbU-YlUc-8Up0-8hK0-B8ke-mZl6-zzmpvB
```

```
SAP2019DB:/oracle/JPR # ls
112_64 mirrlogA oraarch origlogA saparch sapcheck sapdata2 sapdata4 sapdata6 sapreorg
12102 mirrlogB oraflash origlogB sapbackup sapdata1 sapdata3 sapdata5 sapdata7 saptrace
SAP2019DB:/oracle/JPR #
SAP2019DB:/oracle/JPR #
SAP2019DB:/oracle/JPR #
```

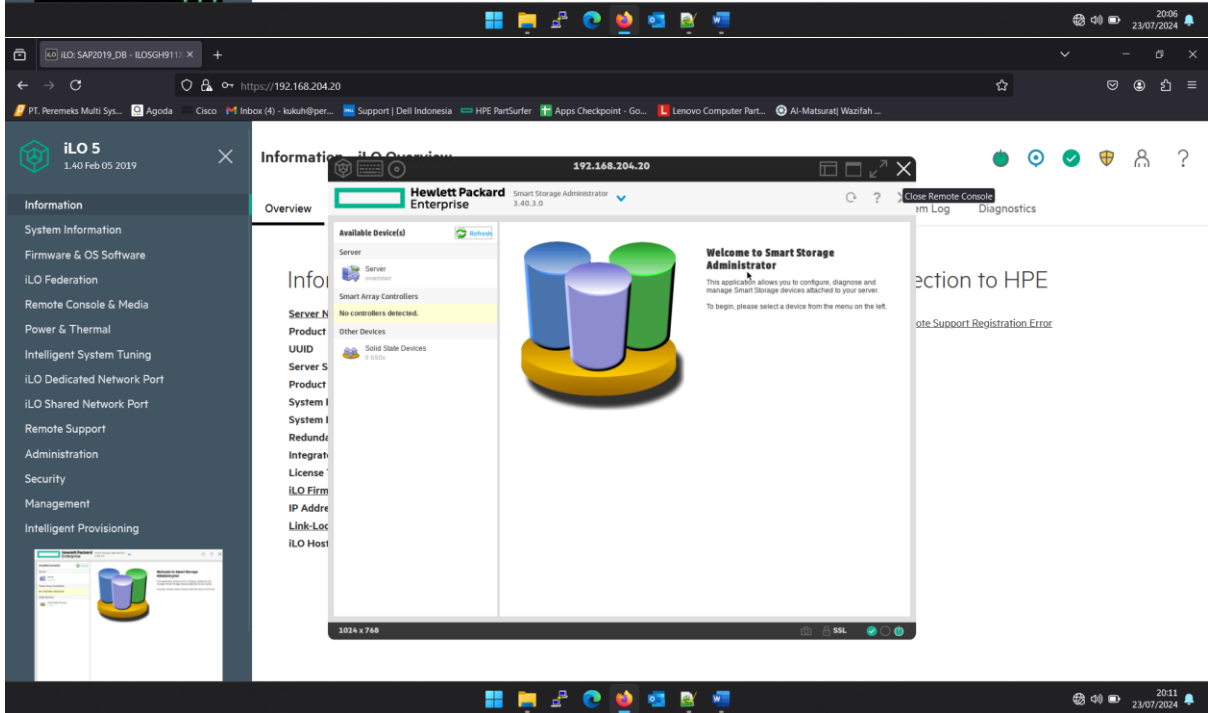
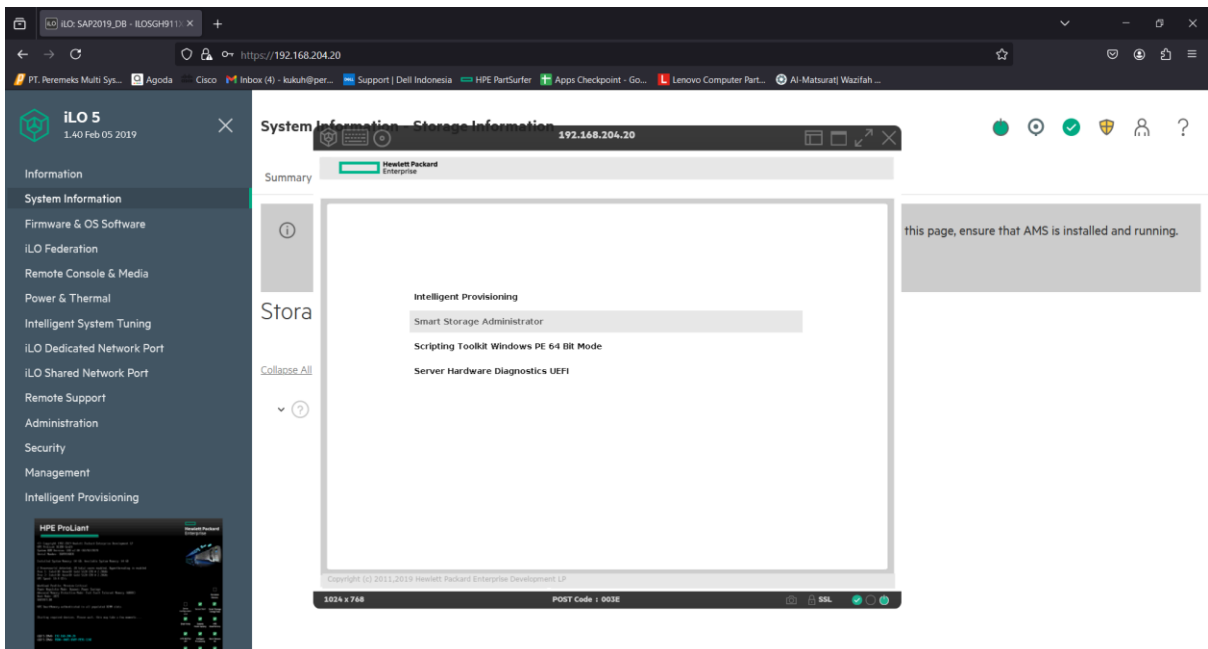
```

UID=c990-D4B2
/dev/vg_sapdbraid1/lv_devshm /boot/efi vfat umask=0002,utf8=true 0 0
/dev/vg_sapdbraid1/lv_jagdata /dev/shm ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_oracle /jagdata ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oracle reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oraclejpr /oracle/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_jpr112_64 /oracle/JPR/112_64 reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_jpr12102 /oracle/JPR/12102 reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_mirrlogA /oracle/JPR/mirrlogA reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_mirrlogB /oracle/JPR/mirrlogB reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_oraarch /oracle/JPR/oraarch reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_origlogA /oracle/JPR/origlogA reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_origlogB /oracle/JPR/origlogB reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata1 /oracle/JPR/sapdata1 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata2 /oracle/JPR/sapdata2 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata3 /oracle/JPR/sapdata3 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata4 /oracle/JPR/sapdata4 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata5 /oracle/JPR/sapdata5 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata6 /oracle/JPR/sapdata6 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata7 /oracle/JPR/sapdata7 reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapreorg /oracle/JPR/sapreorg reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oracleclient /oracle/client reiserfs acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_stage112_64 /oracle/stage/112_64 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_stage12102 /oracle/stage/12102 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_run /run ext4 acl,user_xattr 1 2
/dev/vg_sapbackup/lv_sapbackup /sapbackup us reiserfs acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapmntjpr /sapmnt/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_sapsource /sapsource reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_source /source ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_cgroupp /sys/fs/cgroup ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_tmp /tmp ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_usrsap /usr/sap reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_usrsapjpr /usr/sap/JPR reiserfs acl,user_xattr 1 2
JAGSAPDEV:/usr/sap/trans /usr/sap/trans nfs defaults 0 0

```

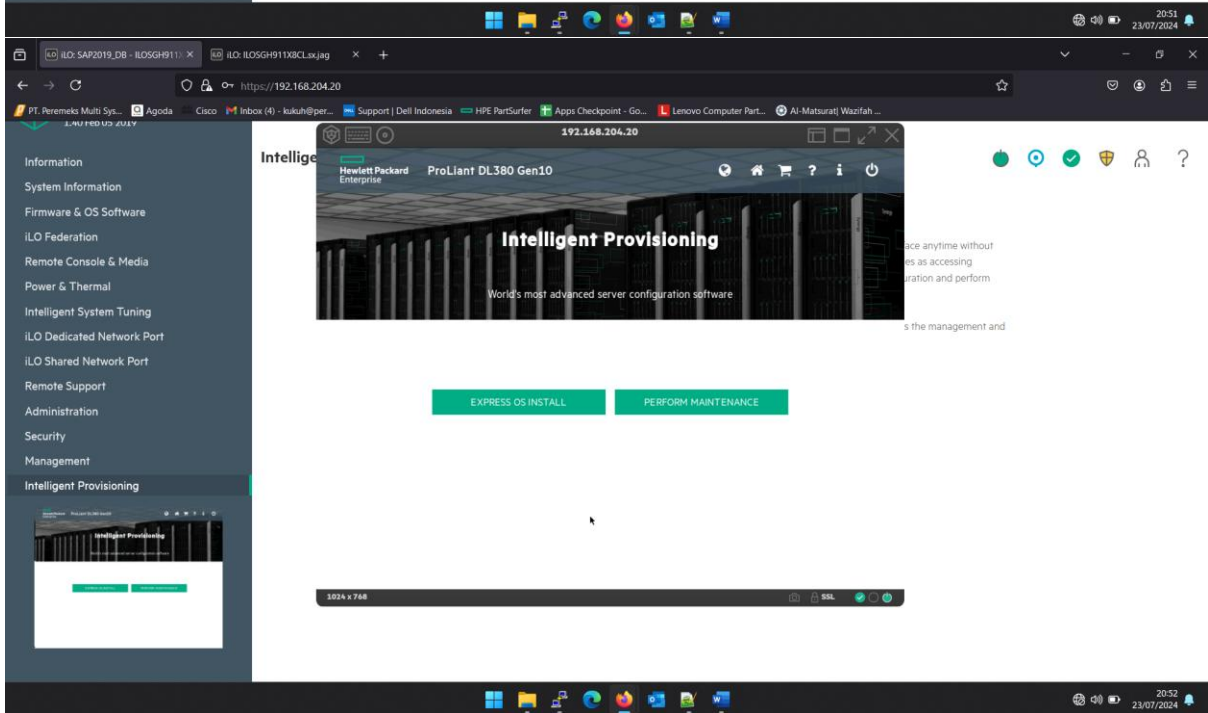
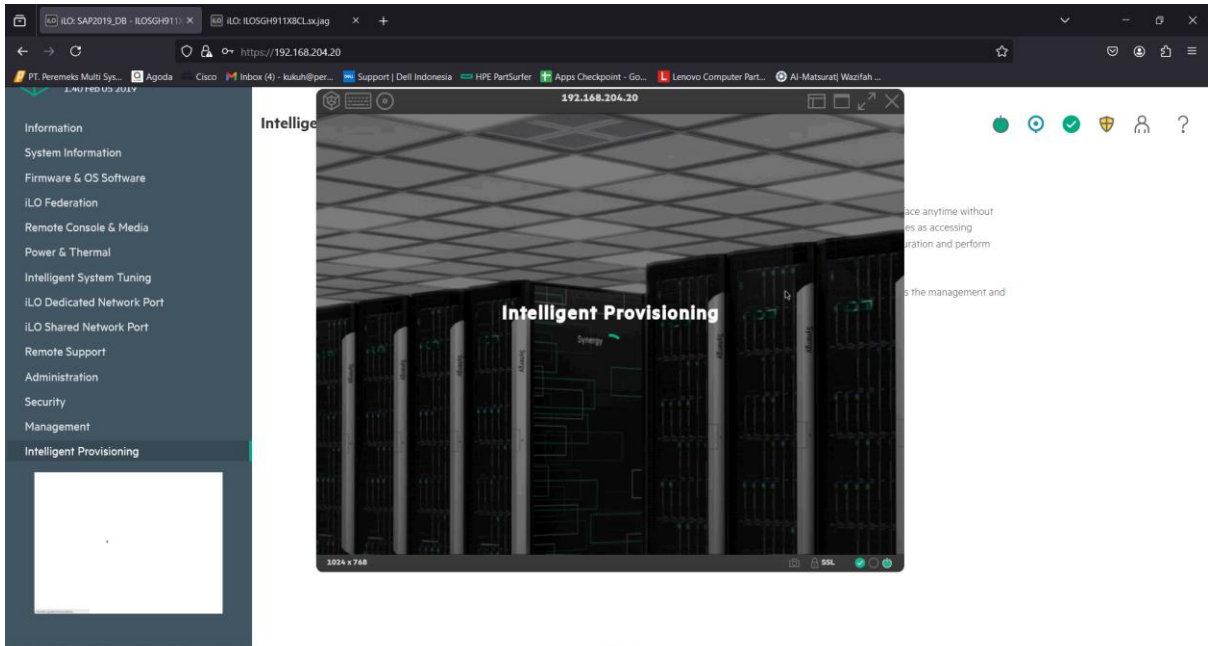


The image shows a web browser window displaying the iLO 5 System Information page, specifically the Storage Information section. The browser's address bar shows the URL <https://192.168.204.20>. The page title is "System Information - Storage Information". The left sidebar contains a navigation menu with the following items: Information, System Information, Firmware & OS Software, iLO Federation, Remote Console & Media, Power & Thermal, Intelligent System Tuning, iLO Dedicated Network Port, iLO Shared Network Port, Remote Support, Administration, Security, Management, and Intelligent Provisioning. The main content area has tabs for Summary, Processors, Memory, Network, Device Inventory, and Storage. A modal window is overlaid on the page, displaying a SLICE splash screen with the text "this page, ensure that AMS is installed and running." The splash screen also features the SLICE logo and a progress indicator with four dots, the first of which is green. The bottom of the browser window shows a Windows taskbar with various application icons and a system tray displaying the time as 19:59 and the date as 23/07/2024.



PROCESS

Create RAID Menggunakan HPE MR Storage Administrator



Browser tabs: iLO: SAP2019_DB - ILOSGH911, iLO: ILOSGH911XBCLxjag

Address bar: https://192.168.204.20

Navigation menu:

- Information
- System Information
- Firmware & OS Software
- iLO Federation
- Remote Console & Media
- Power & Thermal
- Intelligent System Tuning
- iLO Dedicated Network Port
- iLO Shared Network Port
- Remote Support
- Administration
- Security
- Management
- Intelligent Provisioning

Page Title: Hewlett Packard Enterprise ProLiant DL380 Gen10

Perform Maintenance

Maintain your device with powerful tools

Tools available:

- Firmware Update
- Intelligent Provisioning Preferences
- Active Health System Log
- Deployment Settings
- BIOS/Platform Configuration
- iLO Configuration
- Intelligent Storage Configuration
- System Erase and Reset
- One-button secure erase
- Hardware Validation Tool
- RAID Configuration

System Information: 3024 x 768

Browser tabs: iLO: SAP2019_DB - ILOSGH911, iLO: ILOSGH911XBCLxjag

Address bar: https://192.168.204.20

Navigation menu (same as above)

Page Title: System Information - Storage Information

System Utilities

Summary

System Utilities

HP ProLiant DL380 Gen10

Server SN: SGH911XBCK

iLO (IPv4): 192.168.204.20

iLO (IPv6): FE80:0A71:EAFF:FE91:114C

User Default: OFF

System Configuration

- One-Time Boot Menu
- Embedded Applications
- System Information
- System Health

Exit and resume system boot

Reboot the System

Select Language: English

Setup Browser Selection: Auto

Keyboard shortcuts:

- Enter: Select
- ESC: Exit
- F1: Help
- F7: Load Defaults
- F10: Save
- F12: Save and Exit

QR code: http://www.hp.com/go/HPiLOGen10UEFIHelp

Buttons: Exit, Changes Pending, Reboot Plausured, F7: Load Defaults, F10: Save, F12: Save and Exit

System Information: 3024 x 768

POST Code: 063D

System Note: On this page, ensure that AMS is installed and running.

The screenshot shows the iLO System Utilities interface for an HPE ProLiant DL380 Gen10 server. The main window is titled "System Utilities" and displays system information such as "HPE ProLiant DL380 Gen10" and "Server SN: SGH911X8CK". A modal dialog box titled "Starting devices" is overlaid on the screen, with the message "Starting all devices for entering System Configuration. Please wait...". The dialog includes a progress bar and a language dropdown menu set to "English". The background interface shows a sidebar with navigation options like "System Information", "Firmware & OS Software", and "Storage". A grey callout box on the right side of the screen contains the text: "this page, ensure that AMS is installed and running."

The screenshot shows the iLO System Configuration interface for the same HPE ProLiant DL380 Gen10 server. The main window is titled "System Configuration" and displays "BIOS/Platform Configuration (RBSU)". The interface lists various hardware configurations, including "Embedded LOM 1 Port 1" through "4" (all HPE Ethernet 1Gb 4-port 331i Adapters) and "Embedded FlexibleLOM 1 Port 1" and "2" (HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapters). A specific configuration item is highlighted: "Slot 1: HPE Smart Array P824-p MR Gen10". The background interface is similar to the previous screenshot, showing system information and navigation options. A grey callout box on the right side of the screen contains the text: "this page, ensure that AMS is installed and running."

System Information - Storage Information

System Configuration

Dashboard View

HPE ProLiant DL380 Gen10

Server SN: SGH911X8CK

ILO IPv4: 192.168.204.20

ILO IPv6: FE80:0A1E:CAFF:FE91:114C

User Default: OFF

Properties:

- Status: Optimal
- Backplane: 0
- Enclosure: 6
- Drives: 24
- Arrays: 3
- Logical Drives: 3
- ROC Temperature (C): 55

Exit: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code: 063B

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

Main Menu

HPE ProLiant DL380 Gen10

Server SN: SGH911X8CK

ILO IPv4: 192.168.204.20

ILO IPv6: FE80:0A1E:CAFF:FE91:114C

User Default: OFF

Main Menu:

- Configuration Management
- Controller Management
- Logical Drive Management
- Drive Management
- Hardware Components

Exit: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code: 063B

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80::0A1E:AFF:FE91:114C
User Default: OFF

Configuration Management

- Create Logical Drive
- Create Profile Based Logical Drive
- Create CacheCade Logical Drive
- View Array Properties
- Clear Configuration

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code : 003B

192.168.204.20

https://192.168.204.20

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System Configuration

Summary

More Forms Dashboard View Main Menu Configuration Management

System Configuration

192.168.204.20

1024 x 768 POST Code : 003B

21:01 23/07/2024

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80::0A1E:AFF:FE91:114C
User Default: OFF

Create Logical Drive

Select RAID Level: RAID10

Data Integrity:

Select Drives From: Unconfigured Capacity

SELECT SPAN(S):
Span 0:
Select Drives
Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name:

Logical Drive Size:

Logical Drive Size Unit: GB

Strip Size: 256 KB

Read Policy: No Read Ahead

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code : 003B

192.168.204.20

https://192.168.204.20

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Main Menu Configuration Management Create Logical Drive

System Configuration

192.168.204.20

1024 x 768 POST Code : 003B

21:02 23/07/2024

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0A1E:CAFF:FE91:114C
User Default: OFF

Controller Management

BASIC PROPERTIES:

Product Name	HP Smart Array P124-g MR Gen10
Serial Number	SK81275648
Controller Status	Optimal
Select Boot Device	Logical Drive 0: RAID1, 448 GB, Optimal
PCI ID	0a:100b:010c:f1:1593:0422c
PCI Slot Number	1
Active Package Version	24.23.0-0042
Backup Package Version	24.23.0-0042
CPLD Version	05136-031
Connector Count	6
Drive Count	24

Exit: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code : 063B

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0A1E:CAFF:FE91:114C
User Default: OFF

Logical Drive Management

Logical Drive 0: RAID1, 448 GB, Optimal
Logical Drive 1: RAID10, 12,222TB, Optimal
Logical Drive 2: RAID0, 1,636TB, Optimal

Exit: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

1024 x 768 POST Code : 063B

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

Logical Drive 2: RAID0, 1.636TiB, Optimal

View Associated Drives

Selected Logical Drive

ASSOCIATED DRIVES:

Port 11, Box 1, Bay 3: SAS; HDD: 1, /991B, Online, Span#0

View Drive Properties

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

Exit

Changes Pending

Reboot Required

F7: Load Defaults

F10: Save

F12: Save and Exit

1024 x 768

POST Code : 003B

192.168.204.20

SSL

21:04
23/07/2024

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

Main Menu

Configuration Management

Create Logical Drive

Logical Drive 2: RAID0, 1.636TiB, Optimal

Create Logical Drive

Select RAID Level

RAID0

Data Integrity

Select Drives From

Unconfigured Capacity

SELECT SPAN(S):

Span 0:

Select Drives

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name

Logical Drive Size

Logical Drive Size Unit

Strip Size

256 KB

Read Policy

No Read Ahead

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

Exit

Changes Pending

Reboot Required

F7: Load Defaults

F10: Save

F12: Save and Exit

1024 x 768

POST Code : 003B

192.168.204.20

SSL

21:04
23/07/2024

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

More Forms | Configuration Management | Create Logical Drive | Select Drives

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Select Drives

Apply Changes: Both
Select Media Type: Both
Select Interface Type: Both
Logical Sector Size: Both

CHOOSE UNCONFIGURED DRIVES:

- Port 1, Box 1, Bay 4: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 5: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 6: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 7: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 8: SATA, SSD, 3,839TB, Unconfigured Good
- Port 4, Box 2, Bay 8: SATA, SSD, 3,839TB, Unconfigured Good
- Port 6, Box 3, Bay 8: SATA, SSD, 1,919TB, Unconfigured Good

Check All | Uncheck All | Apply Changes

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 | POST Code: 003B

192.168.204.20

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More Forms | Configuration Management | Create Logical Drive | Select Drives

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Select Drives

Apply Changes: Both
Select Media Type: Both
Select Interface Type: Both
Logical Sector Size: Both

CHOOSE UNCONFIGURED DRIVES:

- Port 1, Box 1, Bay 4: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 5: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 6: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 7: SATA, SSD, 3,839TB, Unconfigured Good
- Port 2, Box 1, Bay 8: SATA, SSD, 3,839TB, Unconfigured Good
- Port 4, Box 2, Bay 8: SATA, SSD, 3,839TB, Unconfigured Good
- Port 6, Box 3, Bay 8: SATA, SSD, 1,919TB, Unconfigured Good

Check All | Uncheck All | Apply Changes

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 | POST Code: 003B

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More Forms | Main Menu | Configuration Management | Create Logical Drive

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name: []
Logical Drive Size: 10,477
Logical Drive Size Unit: TB
Strip Size: 64 KB
Read Policy: No Read Ahead
Write Policy: Write Back
I/O Policy: Direct
Access Policy: ReadWrite
Drive Cache: Unchanged
Disable Background Initialization: No
Default Initialize: Save Configuration
Emulation Type: []

Save Configuration

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 | POST Code: 003B

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More Forms | Main Menu | Configuration Management | Create Logical Drive

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name: []
Logical Drive Size: 10,477
Logical Drive Size Unit: TB
Strip Size: 64 KB
Read Policy: No Read Ahead
Write Policy: Write Back
I/O Policy: Direct
Access Policy: ReadWrite
Drive Cache: Unchanged
Disable Background Initialization: No
Default Initialize: Save Configuration
Emulation Type: []

Save Configuration

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

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this page, ensure that AMS is installed and running.

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

More Forms | Main Menu | Configuration Management | Create Logical Drive

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name: []
Logical Drive Size: 10,477
Logical Drive Size Unit: TB
Strip Size: 64 KB
Read Policy: No Read Ahead
Write Policy: Write Back
I/O Policy: Direct
Access Policy: ReadWrite
Drive Cache: Unchanged
Disable Background Initialization: No
Default Initialize: Save Configuration
Emulation Type: []

Save Configuration

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 | POST Code: 003B

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More Forms | Main Menu | Configuration Management | Create Logical Drive

HPE ProLiant DL380 Gen10
Server SN: SQH911X8CK
ILO IPv4: 192.168.204.20
ILO IPv6: FE80:0AFC:EAFF:FE91:114C
User Default: OFF

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name: []
Logical Drive Size: 10,477
Logical Drive Size Unit: TB
Strip Size: 64 KB
Read Policy: No Read Ahead
Write Policy: Write Back
I/O Policy: Direct
Access Policy: ReadWrite
Drive Cache: Unchanged
Disable Background Initialization: No
Default Initialize: Save Configuration
Emulation Type: []

Save Configuration

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 | POST Code: 003B

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this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK

ILO (IPv4): 192.168.204.20

ILO (IPv6): FE80::0A1E:AFF:FE91:114C

User Default: OFF

Create Logical Drive

Save Configuration

Select RAID Level: RAID10

Data Integrity:

Select Drives From: Unconfigured Capacity

SELECT SPAN(S):

Span 0: (Drive Port 1, Box 1, Bay 4 SATA) Drive Port 2, Box 1, Bay 7 SATA) Drive Port 2, Box 1, Bay 5 SATA) Drive Port 2, Box 1, Bay 3 SATA) Drive Port 2, Box 1, Bay 6 SATA) Drive Port 4, Box 2, Bay 8 SATA)

Select Drives

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name: RAIDNew

Logical Drive Size: 10.477

Logical Drive Size Unit: TB

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 POST Code : 063B

192.168.204.20

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Information System Information Firmware & OS Software iLO Federation Remote Console & Media Power & Thermal Intelligent System Tuning iLO Dedicated Network Port iLO Shared Network Port Remote Support Administration Security Management Intelligent Provisioning

System Configuration

Create Logical Drive

21:08 23/07/2024

this page, ensure that AMS is installed and running.

System Information - Storage Information

System Configuration

HP ProLiant DL380 Gen10

Server SN: SGH911X8CK

ILO (IPv4): 192.168.204.20

ILO (IPv6): FE80::0A1E:AFF:FE91:114C

User Default: OFF

Advanced...

Apply Changes

LOGICAL DRIVE PROPERTIES:

Mirror Data Size: 12.222 TB

Logical Sector Size: 512 B

Strip Size: 64 KB

Protected: No

Bad Blocks: No

SSD Caching: Disabled

LOGICAL DRIVE POLICIES:

Access: Read/Write

Write Cache Status: Enabled

Current Write Cache Policy: Write Back

Default Write Cache Policy: Write Back

Exit | Changes Pending | Reboot Required | F7: Load Defaults | F10: Save | F12: Save and Exit

1024 x 768 POST Code : 063B

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Information System Information Firmware & OS Software iLO Federation Remote Console & Media Power & Thermal Intelligent System Tuning iLO Dedicated Network Port iLO Shared Network Port Remote Support Administration Security Management Intelligent Provisioning

System Configuration

Logical Drive 1: RAID10, 12.222TB, Optimal

Advanced...

21:15 23/07/2024

this page, ensure that AMS is installed and running.

Hewlett Packard Enterprise System Configuration

More Forms > Main Menu > Configuration Management > Create Logical Drive

HPE ProLiant DL380 Gen10
Server SN: SGH911X8CK
iLO IPv4: 192.168.204.20
iLO IPv6: FE80::0AF1:E AFF:FE91:114C
User Default: OFF

Create Logical Drive

Save Configuration ●

Select RAID Level RAID10

Data Integrity

Select Drives From Unconfigured Capacity

SELECT SPAN(S):

Span 0: (Drive Port 11, Box 1, Bay 4 SATA)(Drive Port 21, Box 1, Bay 5 SATA)

Select Drives ●

Span 1: (Drive Port 21, Box 1, Bay 7 SATA)(Drive Port 21, Box 1, Bay 6 SATA)

Select Drives ●

Span 2: (Drive Port 21, Box 1, Bay 8 SATA)(Drive Port 41, Box 2, Bay 8 SATA)

Select Drives ●

Add More Spans

CONFIGURE LOGICAL DRIVE PARAMETERS:

Logical Drive Name

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

Exit Changes Pending Reboot Required

F7: Load Defaults F10: Save F12: Save and Exit

Hewlett Packard Enterprise System Configuration

More Forms > Dashboard View > Main Menu > Logical Drive Management

HPE ProLiant DL380 Gen10
Server SN: SGH911X8CK
iLO IPv4: 192.168.204.20
iLO IPv6: FE80::0AF1:E AFF:FE91:114C
User Default: OFF

Logical Drive Management

- Logical Drive 0: RAID1, 446.625GiB, Optimal** ●
- Logical Drive 1: RAID10, 12.222TiB, Optimal** ●
- Logical Drive 2: RAID0, 1.636TiB, Optimal** ●
- Logical Drive 3: RAID10New, RAID10, 10.477TiB, Optimal** ●

Enter: Select
ESC: Exit
F1: Help
F7: Load Defaults
F10: Save
F12: Save and Exit

<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

Exit Changes Pending Reboot Required

F7: Load Defaults F10: Save F12: Save and Exit

Hewlett Packard Enterprise **System Configuration** 🔧 ?

More Forms **Logical Drive 3: RAID10New, RAID10, 10.477TiB, Optimal** View Associated Drives

HPE ProLiant DL380 Gen10
 Server SN: SGH911X8CK
 iLO IPv4: 192.168.204.20
 iLO IPv6: FE80::0AF1:E AFF:FE91:114C
 User Default: OFF

View Associated Drives


Selected Logical Drive Logical Drive 3: RAID10New, RAID10, 10.477TiB, Optimal

ASSOCIATED DRIVES:

- Port 1l, Box 1, Bay 4: SATA, SSD, 3.839TB, Online, Span#0
- Port 2l, Box 1, Bay 5: SATA, SSD, 3.839TB, Online, Span#0
- Port 2l, Box 1, Bay 7: SATA, SSD, 3.839TB, Online, Span#1
- Port 2l, Box 1, Bay 6: SATA, SSD, 3.839TB, Online, Span#1
- Port 2l, Box 1, Bay 8: SATA, SSD, 3.839TB, Online, Span#2
- Port 4l, Box 2, Bay 8: SATA, SSD, 3.839TB, Online, Span#2

View Drive Properties 🟢

Enter: Select ESC: Exit F1: Help F7: Load Defaults F10: Save F12: Save and Exit



<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

 Changes Pending Reboot Required

3024 x 748 POST Code | 003B SSL 🔒

Hewlett Packard Enterprise **System Configuration** 🔧 ?

More Forms **Logical Drive 3: RAID10New, RAID10, 10.477TiB, Optimal** Advanced...

HPE ProLiant DL380 Gen10
 Server SN: SGH911X8CK
 iLO IPv4: 192.168.204.20
 iLO IPv6: FE80::0AF1:E AFF:FE91:114C
 User Default: OFF

Advanced...

Apply Changes ➔

LOGICAL DRIVE PROPERTIES:

Mirror Data Size 10.477 TiB

Logical Sector Size 512 B

Strip Size 64 KB

Protected No

Bad Blocks No

SSD Caching Disabled

LOGICAL DRIVE POLICIES:


Access Read/Write

Write Cache Status Enabled

Current Write Cache Policy Write Back

Default Write Cache Policy Write Back

Enter: Select ESC: Exit F1: Help F7: Load Defaults F10: Save F12: Save and Exit



<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

 Changes Pending Reboot Required


3024 x 748 POST Code | 003B SSL 🔒

Hewlett Packard Enterprise System Configuration

More Forms > Main Menu > Configuration Management > View Array Properties

HPE ProLiant DL380 Gen10
 Server SN: SGH911X8CK
 ILO IPv4: 192.168.204.20
 ILO IPv6: FE80::0AF1:E AFF:FE91:114C
 User Default: OFF

Enter: Select
 ESC: Exit
 F1: Help
 F7: Load Defaults
 F10: Save
 F12: Save and Exit



<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

View Array Properties

Array	Array #0
Capacity Allocation	Logical Drive 0: RAID1, 446.625GiB, ▼
Protected	No
Array	Array #1
Capacity Allocation	Logical Drive 1: RAID10, 12.222TiB, O ▼
Protected	No
Array	Array #8
Capacity Allocation	Logical Drive 2: RAID0, 1.636TiB, Opti ▼
Protected	No
Array	Array #9
Capacity Allocation	Logical Drive 3: RAID10New, RAID10, ▼
Protected	No

Exit Changes Pending Reboot Required


3024 x 748 POST Code : 003B

Hewlett Packard Enterprise System Configuration

More Forms > Dashboard View > Main Menu > Drive Management

HPE ProLiant DL380 Gen10
 Server SN: SGH911X8CK
 ILO IPv4: 192.168.204.20
 ILO IPv6: FE80::0AF1:E AFF:FE91:114C
 User Default: OFF

Enter: Select
 ESC: Exit
 F1: Help
 F7: Load Defaults
 F10: Save
 F12: Save and Exit



<http://www.hpe.com/qref/ProLiantGen10UEFI-Help>

Drive Management

- Port 1I, Box 1, Bay 1: SATA, SSD, 480GB, Online ➤
- Port 1I, Box 1, Bay 2: SATA, SSD, 480GB, Online ●
- Port 1I, Box 1, Bay 3: SAS, HDD, 1.799TB, Online ●
- Port 1I, Box 1, Bay 4: SATA, SSD, 3.839TB, Online ●
- Port 2I, Box 1, Bay 5: SATA, SSD, 3.839TB, Online ●
- Port 2I, Box 1, Bay 6: SATA, SSD, 3.839TB, Online ●
- Port 2I, Box 1, Bay 7: SATA, SSD, 3.839TB, Online ●
- Port 2I, Box 1, Bay 8: SATA, SSD, 3.839TB, Online ●
- Port 3I, Box 2, Bay 1: SATA, SSD, 1.919TB, Online ●
- Port 3I, Box 2, Bay 2: SATA, SSD, 1.919TB, Online ●
- Port 3I, Box 2, Bay 3: SATA, SSD, 1.919TB, Online ●
- Port 3I, Box 2, Bay 4: SATA, SSD, 1.919TB, Online ●
- Port 4I, Box 2, Bay 5: SATA, SSD, 1.919TB, Online ●
- Port 4I, Box 2, Bay 6: SATA, SSD, 1.919TB, Online ●
- Port 4I, Box 2, Bay 7: SATA, SSD, 1.919TB, Online ●
- Port 4I, Box 2, Bay 8: SATA, SSD, 3.839TB, Online ●
- Port 5I, Box 3, Bay 1: SATA, SSD, 1.919TB, Online ●

Exit Changes Pending Reboot Required

3024 x 748 POST Code : 003B

SAP2019DB:/ # lsblk

NAME	MAJ:MIN	RM	SIZE	RO	TYPE	MOUNTPOINT
sda	8:0	0	446.6G	0	disk	
├─sda1	8:1	0	501M	0	part	/boot
├─sda2	8:2	0	196M	0	part	/boot/efi
└─sda3	8:3	0	446G	0	part	
├─vg_sapdbraid1-lv_root	254:0	0	55G	0	lvm	/
├─vg_sapdbraid1-lv_swap	254:1	0	75G	0	lvm	[SWAP]
├─vg_sapdbraid1-lv_cgroup	254:23	0	32G	0	lvm	
├─vg_sapdbraid1-lv_detaillog	254:24	0	10G	0	lvm	/ZZPOS_DETAIL_LOG
├─vg_sapdbraid1-lv_devshm	254:25	0	32G	0	lvm	
├─vg_sapdbraid1-lv_oracleclient	254:26	0	5.1G	0	lvm	/oracle/client
├─vg_sapdbraid1-lv_run	254:27	0	32G	0	lvm	
├─vg_sapdbraid1-lv_sapsource	254:28	0	45G	0	lvm	/sapsource
├─vg_sapdbraid1-lv_source	254:29	0	4.8G	0	lvm	/source
├─vg_sapdbraid1-lv_stage112_64	254:30	0	10G	0	lvm	/oracle/stage/112_64
├─vg_sapdbraid1-lv_stage12102	254:31	0	10G	0	lvm	/oracle/stage/12102
├─vg_sapdbraid1-lv_tmp	254:32	0	4.8G	0	lvm	/tmp
└─vg_sapdbraid1-lv_jagdata	254:33	0	130.2G	0	lvm	/jagdata
sdb	8:16	0	12.2T	0	disk	
├─sdb1	8:17	0	12.2T	0	part	
├─vg_sapdbraid10-lv_jpr112_64	254:3	0	10G	0	lvm	/oracle/JPR/112_64
├─vg_sapdbraid10-lv_jpr12102	254:4	0	5G	0	lvm	/oracle/JPR/12102
├─vg_sapdbraid10-lv_mirrlogA	254:5	0	50G	0	lvm	/oracle/JPR/mirrlogA
├─vg_sapdbraid10-lv_mirrlogB	254:6	0	50G	0	lvm	/oracle/JPR/mirrlogB
├─vg_sapdbraid10-lv_oraarch	254:7	0	100G	0	lvm	/oracle/JPR/oraarch
├─vg_sapdbraid10-lv_oracle	254:8	0	10G	0	lvm	/oracle
├─vg_sapdbraid10-lv_oraclejpr	254:9	0	15G	0	lvm	/oracle/JPR
├─vg_sapdbraid10-lv_origlogA	254:10	0	50G	0	lvm	/oracle/JPR/origlogA
├─vg_sapdbraid10-lv_origlogB	254:11	0	50G	0	lvm	/oracle/JPR/origlogB
├─vg_sapdbraid10-lv_sapdata1	254:12	0	700G	0	lvm	/oracle/JPR/sapdata1
├─vg_sapdbraid10-lv_sapdata2	254:13	0	2T	0	lvm	/oracle/JPR/sapdata2
├─vg_sapdbraid10-lv_sapdata3	254:14	0	2T	0	lvm	/oracle/JPR/sapdata3
├─vg_sapdbraid10-lv_sapdata4	254:15	0	2T	0	lvm	/oracle/JPR/sapdata4
├─vg_sapdbraid10-lv_sapdata5	254:16	0	2T	0	lvm	/oracle/JPR/sapdata5
├─vg_sapdbraid10-lv_sapdata6	254:17	0	2T	0	lvm	/oracle/JPR/sapdata6
├─vg_sapdbraid10-lv_sapdata7	254:18	0	1.1T	0	lvm	/oracle/JPR/sapdata7
├─vg_sapdbraid10-lv_sapmntjpr	254:19	0	20G	0	lvm	/sapmnt/JPR
├─vg_sapdbraid10-lv_sapreorg	254:20	0	50G	0	lvm	/oracle/JPR/sapreorg
├─vg_sapdbraid10-lv_usrsap	254:21	0	5G	0	lvm	/usr/sap
└─vg_sapdbraid10-lv_usrsapjpr	254:22	0	50G	0	lvm	/usr/sap/JPR
sdc	8:32	0	1.7T	0	disk	
├─sdc1	8:33	0	1.7T	0	part	
└─vg_sapbackup-lv_sapbackup	254:2	0	1.7T	0	lvm	/sapbackup_usb
sdd	8:48	0	10.5T	0	disk	
sde	8:64	0	3.7T	0	disk	
└─sde1	8:65	0	3.7T	0	part	

```
SAP2019DB:/ #
SAP2019DB:/ #
SAP2019DB:/ # fdisk -u -c /dev/sdd

Welcome to fdisk (util-linux 2.29.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Device does not contain a recognized partition table.
The size of this disk is 10.5 TiB (11520612237312 bytes). DOS partition table format can
be used on drives for volumes larger than 2199023255040 bytes for 512-byte sectors. Use GUID pa
rtable format (GPT).

Created a new DOS disklabel with disk identifier 0xa9e0fd2c.

Command (m for help): n
Partition type
   p   primary (0 primary, 0 extended, 4 free)
   e   extended (container for logical partitions)
Select (default p): p
Partition number (1-4, default 1): 1
First sector (2048-4294967295, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-4294967294, default 4294967294):

Created a new partition 1 of type 'Linux' and of size 2 TiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.

SAP2019DB:/ # fdisk -u -c /dev/sdd

Welcome to fdisk (util-linux 2.29.2).
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): n
Partition number (1-128, default 1): 1
First sector (34-22501195742, default 2048):
Last sector, +sectors or +size{K,M,G,T,P} (2048-22501195742, default 22501195742):

Created a new partition 1 of type 'Linux filesystem' and of size 10.5 TiB.

Command (m for help): w
The partition table has been altered.
Calling ioctl() to re-read partition table.
Syncing disks.
```

```

SAP2019DB:/ # lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                                  8:0      0 446.6G 0 disk
├─sda1                               8:1      0   501M 0 part /boot
├─sda2                               8:2      0   196M 0 part /boot/efi
├─sda3                               8:3      0   446G 0 part
│   └─vg_sapdbraid1-lv_root          254:0    0    55G 0 lvm /
│       └─vg_sapdbraid1-lv_swap      254:1    0    75G 0 lvm [SWAP]
│           └─vg_sapdbraid1-lv_cgroup 254:23   0    32G 0 lvm
│               └─vg_sapdbraid1-lv_detaillog 254:24   0    10G 0 lvm /ZZPOS_DETAIL_LOG
│                   └─vg_sapdbraid1-lv_devshm 254:25   0    32G 0 lvm
│                       └─vg_sapdbraid1-lv_oracleclient 254:26   0    5.1G 0 lvm /oracle/client
│                           └─vg_sapdbraid1-lv_run 254:27   0    32G 0 lvm
│                               └─vg_sapdbraid1-lv_sapsource 254:28   0    45G 0 lvm /sapsource
│                                   └─vg_sapdbraid1-lv_source 254:29   0    4.8G 0 lvm /source
│                                       └─vg_sapdbraid1-lv_stage112_64 254:30   0    10G 0 lvm /oracle/stage/112_64
│                                           └─vg_sapdbraid1-lv_stage12102 254:31   0    10G 0 lvm /oracle/stage/12102
│                                               └─vg_sapdbraid1-lv_tmp 254:32   0    4.8G 0 lvm /tmp
│                                                   └─vg_sapdbraid1-lv_jagdata 254:33   0 130.2G 0 lvm /jagdata
sdb                                  8:16     0 12.2T 0 disk
├─sdb1                               8:17     0 12.2T 0 part
│   └─vg_sapdbraid10-lv_jpr112_64   254:3    0    10G 0 lvm /oracle/JPR/112_64
│       └─vg_sapdbraid10-lv_jpr12102 254:4    0     5G 0 lvm /oracle/JPR/12102
│           └─vg_sapdbraid10-lv_mirrlogA 254:5    0    50G 0 lvm /oracle/JPR/mirrlogA
│               └─vg_sapdbraid10-lv_mirrlogB 254:6    0    50G 0 lvm /oracle/JPR/mirrlogB
│                   └─vg_sapdbraid10-lv_oraarch 254:7    0   100G 0 lvm /oracle/JPR/oraarch
│                       └─vg_sapdbraid10-lv_oracle 254:8    0    10G 0 lvm /oracle
│                           └─vg_sapdbraid10-lv_oraclejpr 254:9    0    15G 0 lvm /oracle/JPR
│                               └─vg_sapdbraid10-lv_origlogA 254:10   0    50G 0 lvm /oracle/JPR/origlogA
│                                   └─vg_sapdbraid10-lv_origlogB 254:11   0    50G 0 lvm /oracle/JPR/origlogB
│                                       └─vg_sapdbraid10-lv_sapdata1 254:12   0   700G 0 lvm /oracle/JPR/sapdata1
│                                           └─vg_sapdbraid10-lv_sapdata2 254:13   0     2T 0 lvm /oracle/JPR/sapdata2
│                                               └─vg_sapdbraid10-lv_sapdata3 254:14   0     2T 0 lvm /oracle/JPR/sapdata3
│                                                   └─vg_sapdbraid10-lv_sapdata4 254:15   0     2T 0 lvm /oracle/JPR/sapdata4
│                                                       └─vg_sapdbraid10-lv_sapdata5 254:16   0     2T 0 lvm /oracle/JPR/sapdata5
│                                                           └─vg_sapdbraid10-lv_sapdata6 254:17   0     2T 0 lvm /oracle/JPR/sapdata6
│                                                               └─vg_sapdbraid10-lv_sapdata7 254:18   0    1.1T 0 lvm /oracle/JPR/sapdata7
│                                                                   └─vg_sapdbraid10-lv_sapmntjpr 254:19   0    20G 0 lvm /sapmnt/JPR
│                                                                       └─vg_sapdbraid10-lv_sapreorg 254:20   0    50G 0 lvm /oracle/JPR/sapreorg
│                                                                           └─vg_sapdbraid10-lv_usrsap 254:21   0     5G 0 lvm /usr/sap
│                                                                               └─vg_sapdbraid10-lv_usrsapjpr 254:22   0    50G 0 lvm /usr/sap/JPR
sdc                                  8:32     0  1.7T 0 disk
├─sdc1                               8:33     0  1.7T 0 part
│   └─vg_sapbackup-lv_sapbackup     254:2    0  1.7T 0 lvm /sapbackup_usb
sdd                                  8:48     0 10.5T 0 disk
├─sdd1                               8:49     0 10.5T 0 part
sde                                  8:64     0  3.7T 0 disk
├─sde1                               8:65     0  3.7T 0 part

```

```

SAP2019DB:/oracle/JPR # cd /
SAP2019DB:/ # cd /oracle/
JPR/ checkpoints/ client/ oraInventory/ stage/
SAP2019DB:/ # cd /oracle/JPR/
SAP2019DB:/oracle/JPR # mkdir sapdata8
SAP2019DB:/oracle/JPR # ls
112_64 mirrlogB origlogA sapbackup sapdata2 sapdata5 sapdata8
12102 oraarch origlogB sapcheck sapdata3 sapdata6 sapreorg
mirrlogA oraflash saparch sapdata1 sapdata4 sapdata7 saptrace

```

```

SAP2019DB:/oracle/JPR # cd /
SAP2019DB:/ # pvcreate /dev/sdd1
/dev/sdf: open failed: No medium found
Physical volume "/dev/sdd1" successfully created.
SAP2019DB:/ # █

```

```

SAP2019DB:/ # vgc
vgcfgbackup  vgcfgrestore  vgchange      vgck          vgconvert    vgcreate
SAP2019DB:/ # vgcreate vg_sapdbraid10New dev/sdd1
/dev/sdf: open failed: No medium found
Volume group "vg_sapdbraid10New" successfully created
SAP2019DB:/ # █

SAP2019DB:/ # vgs
VG                #PV #LV #SN Attr   VSize   VFree
vg_sapbackup      1   1   0 wz--n-   1.64t   4.00m
vg_sapdbraid1     1  13   0 wz--n-  445.94g     0
vg_sapdbraid10    1  20   0 wz--n-  12.22t   4.00m
vg_sapdbraid10New 1   0   0 wz--n-  10.48t  10.48t
SAP2019DB:/ # █

SAP2019DB:/ # vgs
VG                #PV #LV #SN Attr   VSize   VFree
vg_sapbackup      1   1   0 wz--n-   1.64t   4.00m
vg_sapdbraid1     1  13   0 wz--n-  445.94g     0
vg_sapdbraid10    1  20   0 wz--n-  12.22t   4.00m
vg_sapdbraid10New 1   0   0 wz--n-  10.48t  10.48t
SAP2019DB:/ # lvcreate -l 100%FREE -n lv_sapdata8 vg_sapdbraid10New
Logical volume "lv_sapdata8" created.
SAP2019DB:/ # █

SAP2019DB:/ # mkreiserfs /dev/vg_sapdbraid10New/lv_sapdata8
mkreiserfs 3.6.24

Guessing about desired format.. Kernel 4.12.14-94.41-default is running.
Format 3.6 with standard journal
Count of blocks on the device: 2812648448
Number of blocks consumed by mkreiserfs formatting process: 94047
Blocksize: 4096
Hash function used to sort names: "r5"
Journal Size 8193 blocks (first block 18)
Journal Max transaction length 1024
inode generation number: 0
UUID: 6eeba149-b2e9-4d13-8196-7b9d256ffbdd
ATTENTION: YOU SHOULD REBOOT AFTER FDISK!
      ALL DATA WILL BE LOST ON '/dev/vg_sapdbraid10New/lv_sapdata8'!
Continue (y/n):y
Initializing journal - 0%....20%....40%....60%....80%....100%
Syncing..ok
ReiserFS is successfully created on /dev/vg_sapdbraid10New/lv_sapdata8.
SAP2019DB:/ # █

SAP2019DB:/ # mount /dev/vg_sapdbraid10New/lv_sapdata8 /oracle/JPR/sapdata8
SAP2019DB:/ #
SAP2019DB:/ #
SAP2019DB:/ # █

```

```
192.168.207.20 - PuTTY
UID=990-9482 /boot/efi vfat umask=0002,utf8=true 0 0
/dev/vg_sapdbraid1/iv_devshm /dev/shm ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_sapdata /jagdata ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oracle /oracle reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oraclejpr /oracle/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_jpr112_64 /oracle/JPR/112_64 reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_jpr12102 /oracle/JPR/12102 reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_mirrorlogA /oracle/JPR/mirrorlogA reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_mirrorlogB /oracle/JPR/mirrorlogB reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_orasrch /oracle/JPR/orasrch reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_origlogB /oracle/JPR/origlogB reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_sapdata1 /oracle/JPR/sapdata1 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata2 /oracle/JPR/sapdata2 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata3 /oracle/JPR/sapdata3 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata4 /oracle/JPR/sapdata4 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata5 /oracle/JPR/sapdata5 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata6 /oracle/JPR/sapdata6 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata7 /oracle/JPR/sapdata7 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapreorg /oracle/JPR/sapreorg reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oracleclient /oracle/client reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_stage112_64 /oracle/stage/112_64 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_stage12102 /oracle/stage/12102 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_run /run ext4 acl,user_xattr 1 2
/dev/vg_sapbackup/iv_sapbackup /sapbackup usb reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapmntjpr /sapmnt/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_sapsource /sapsource reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_source /source ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_cgrou /sys/fs/cgroup ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_tmp /tmp ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_usrsap /usr/sap reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_usrsapjpr /usr/sap/JPR reiserfs acl,user_xattr 1 2
saptrans /usr/sap/trans nfs defaults 0 0
```

```
192.168.207.20 - PuTTY
UID=990-9482 /boot/efi vfat umask=0002,utf8=true 0 0
/dev/vg_sapdbraid1/iv_devshm /dev/shm ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_sapdata /jagdata ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oracle /oracle reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oraclejpr /oracle/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_jpr112_64 /oracle/JPR/112_64 reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_jpr12102 /oracle/JPR/12102 reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_mirrorlogA /oracle/JPR/mirrorlogA reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_mirrorlogB /oracle/JPR/mirrorlogB reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_orasrch /oracle/JPR/orasrch reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_origlogB /oracle/JPR/origlogB reiserfs acl,user_xattr,notime 1 2
/dev/vg_sapdbraid1/iv_sapdata1 /oracle/JPR/sapdata1 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata2 /oracle/JPR/sapdata2 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata3 /oracle/JPR/sapdata3 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata4 /oracle/JPR/sapdata4 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata5 /oracle/JPR/sapdata5 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata6 /oracle/JPR/sapdata6 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata7 /oracle/JPR/sapdata7 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapdata8 /oracle/JPR/sapdata8 reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapreorg /oracle/JPR/sapreorg reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_oracleclient /oracle/client reiserfs acl,user_xattr,notail 1 2
/dev/vg_sapdbraid1/iv_stage112_64 /oracle/stage/112_64 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_stage12102 /oracle/stage/12102 reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_run /run ext4 acl,user_xattr 1 2
/dev/vg_sapbackup/iv_sapbackup /sapbackup usb reiserfs acl,user_xattr,notime,notail 1 2
/dev/vg_sapdbraid1/iv_sapmntjpr /sapmnt/JPR reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_sapsource /sapsource reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_source /source ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_cgrou /sys/fs/cgroup ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_tmp /tmp ext4 acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_usrsap /usr/sap reiserfs acl,user_xattr 1 2
/dev/vg_sapdbraid1/iv_usrsapjpr /usr/sap/JPR reiserfs acl,user_xattr 1 2
saptrans /usr/sap/trans nfs defaults 0 0
```

```

SAP2019DB:/ # cat /etc/fstab
/dev/vg_sapdbraid1/lv_swap          swap          swap          defaults      0 0
/dev/vg_sapdbraid1/lv_root          /             /             ext4          acl,user_xattr 1 1
/dev/vg_sapdbraid1/lv_detaillog     /ZZPOS_DETAIL_LOG ext4          acl,user_xattr 1 2
UUID=c6ea141f-868e-4a73-ba9b-30b04b96f946 /boot         /boot         ext4          acl,user_xattr 1 2
UUID=C990-D4B2                     /boot/efi    /boot/efi    vfat         umask=0002,utf8=true 0 0
/dev/vg_sapdbraid1/lv_devshm        /dev/shm     /dev/shm     ext4          acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_jagdata       /jagdata     /jagdata     ext4          acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oracle       /oracle      /oracle      reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oraclejpr    /oracle/JPR  /oracle/JPR  reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_jpr112_64    /oracle/JPR/112_64 reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_jpr12102     /oracle/JPR/12102 reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_mirrlogA     /oracle/JPR/mirrlogA reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_mirrlogB     /oracle/JPR/mirrlogB reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_oraarch       /oracle/JPR/oraarch reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_origlogA     /oracle/JPR/origlogA reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_origlogB     /oracle/JPR/origlogB reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata1     /oracle/JPR/sapdata1 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata2     /oracle/JPR/sapdata2 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata3     /oracle/JPR/sapdata3 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata4     /oracle/JPR/sapdata4 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata5     /oracle/JPR/sapdata5 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata6     /oracle/JPR/sapdata6 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapdata7     /oracle/JPR/sapdata7 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10New/lv_sapdata8  /oracle/JPR/sapdata8 reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapreorg     /oracle/JPR/sapreorg reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_oracleclient /oracle/client reiserfs     acl,user_xattr,noatime 1 2
/dev/vg_sapdbraid1/lv_stagel12_64   /oracle/stage/112_64 reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_stagel2102    /oracle/stage/12102 reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_run           /run         /run         ext4          acl,user_xattr 1 2
/dev/vg_sapbackup/lv_sapbackup      /sapbackup  usb         reiserfs     acl,user_xattr,noatime,noatime 1 2
/dev/vg_sapdbraid10/lv_sapmntjpr    /sapmnt/JPR  reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_sapsource     /sapsource   reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_source        /source      ext4         acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_cgroup        /sys/fs/cgroup ext4         acl,user_xattr 1 2
/dev/vg_sapdbraid1/lv_tmp           /tmp         ext4         acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_usrsap       /usr/sap     reiserfs     acl,user_xattr 1 2
/dev/vg_sapdbraid10/lv_usrsapjpr    /usr/sap/JPR reiserfs     acl,user_xattr 1 2
JAGSAPDEV:/usr/sap/trans           /usr/sap/trans nfs          defaults      0 0
SAP2019DB:/ # █

SAP2019DB:/oracle/JPR/sapdata8 # ls
SAP2019DB:/oracle/JPR/sapdata8 # cd ..
SAP2019DB:/oracle/JPR # cd sapdata7
SAP2019DB:/oracle/JPR/sapdata7 # ls
sr3_250 sr3_252 sr3_254 sr3_256 sr3_258 sr3_265 sr3_267 sr3_279 sr3_281 sr3_283 sr3_285 sr3_287 sr3_349 sr3_351 sr3_353 sr3_360 sr3_362
sr3_261 sr3_263 sr3_265 sr3_267 sr3_269 sr3_284 sr3_286 sr3_288 sr3_350 sr3_352 sr3_359 sr3_361
SAP2019DB:/oracle/JPR/sapdata7 # cd ..
SAP2019DB:/oracle/JPR # cd sapdata8
SAP2019DB:/oracle/JPR/sapdata8 # vi test.txt
SAP2019DB:/oracle/JPR/sapdata8 # ls
SAP2019DB:/oracle/JPR/sapdata8 # vi test.txt
SAP2019DB:/oracle/JPR/sapdata8 #
SAP2019DB:/oracle/JPR/sapdata8 # ls
test.txt
SAP2019DB:/oracle/JPR/sapdata8 # cd /
SAP2019DB:/ # █

```

AFTER MOUNTING

The screenshot shows the iLO 5 web interface for a server. The left sidebar contains a navigation menu with categories like System Information, Firmware & OS Software, iLO Federation, Remote Console & Media, Power & Thermal, Intelligent System Tuning, iLO Dedicated Network Port, iLO Shared Network Port, Remote Support, Administration, Security, Management, and Intelligent Provisioning. The main content area displays system information, including a SUSE logo and a connection to HPE. The interface is accessed via a browser at the URL https://192.168.204.20.

```

SAP2019DB:/oracle/JPR/sapdata8 # lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                                  8:0    0   3.7T 0 disk
├─sda1                               8:1    0   3.7T 0 part
sdb                                  8:16   0 446.6G 0 disk
├─sdb1                               8:17   0  501M 0 part /boot
├─sdb2                               8:18   0  196M 0 part /boot/efi
├─sdb3                               8:19   0  446G 0 part
│   └─vg_sapdbraid1-lv_root           254:0    0   55G 0 lvm /
│       └─vg_sapdbraid1-lv_swap       254:1    0   75G 0 lvm [SWAP]
│           └─vg_sapdbraid1-lv_cgrou  254:24   0   32G 0 lvm
│               └─vg_sapdbraid1-lv_d  254:25   0   10G 0 lvm /ZZPOS_DETAIL_LOG
│                   └─vg_sapdbraid1-lv_devshm 254:26   0   32G 0 lvm
│                       └─vg_sapdbraid1-lv_oracleclient 254:27   0   5.1G 0 lvm /oracle/client
│                           └─vg_sapdbraid1-lv_run 254:28   0   32G 0 lvm
│                               └─vg_sapdbraid1-lv_sapsourc 254:29   0   45G 0 lvm /sapsourc
│                                   └─vg_sapdbraid1-lv_sourc 254:30   0   4.8G 0 lvm /source
│                                       └─vg_sapdbraid1-lv_stagel112_64 254:31   0   10G 0 lvm /oracle/stage/112_64
│                                           └─vg_sapdbraid1-lv_stagel2102 254:32   0   10G 0 lvm /oracle/stage/12102
│                                               └─vg_sapdbraid1-lv_tmp 254:33   0   4.8G 0 lvm /tmp
│                                                   └─vg_sapdbraid1-lv_jagdata 254:34   0  130.2G 0 lvm /jagdata
sdc                                  8:32    0  12.2T 0 disk
├─sdc1                               8:33   0  12.2T 0 part
│   └─vg_sapdbraid10-lv_jpr112_64    254:4    0   10G 0 lvm /oracle/JPR/112_64
│       └─vg_sapdbraid10-lv_jpr12102 254:5    0    5G 0 lvm /oracle/JPR/12102
│           └─vg_sapdbraid10-lv_mirrlogA 254:6    0   50G 0 lvm /oracle/JPR/mirrlogA
│               └─vg_sapdbraid10-lv_mirrlogB 254:7    0   50G 0 lvm /oracle/JPR/mirrlogB
│                   └─vg_sapdbraid10-lv_oraarch 254:8    0  100G 0 lvm /oracle/JPR/oraarch
│                       └─vg_sapdbraid10-lv_oracle 254:9    0   10G 0 lvm /oracle
│                           └─vg_sapdbraid10-lv_oraclejpr 254:10   0   15G 0 lvm /oracle/JPR
│                               └─vg_sapdbraid10-lv_origlogA 254:11   0   50G 0 lvm /oracle/JPR/origlogA
│                                   └─vg_sapdbraid10-lv_origlogB 254:12   0   50G 0 lvm /oracle/JPR/origlogB
│                                       └─vg_sapdbraid10-lv_sapdata1 254:13   0  700G 0 lvm /oracle/JPR/sapdata1
│                                           └─vg_sapdbraid10-lv_sapdata2 254:14   0    2T 0 lvm /oracle/JPR/sapdata2
│                                               └─vg_sapdbraid10-lv_sapdata3 254:15   0    2T 0 lvm /oracle/JPR/sapdata3
│                                                   └─vg_sapdbraid10-lv_sapdata4 254:16   0    2T 0 lvm /oracle/JPR/sapdata4
│                                                       └─vg_sapdbraid10-lv_sapdata5 254:17   0    2T 0 lvm /oracle/JPR/sapdata5
│                                                           └─vg_sapdbraid10-lv_sapdata6 254:18   0    2T 0 lvm /oracle/JPR/sapdata6
│                                                               └─vg_sapdbraid10-lv_sapdata7 254:19   0   1.1T 0 lvm /oracle/JPR/sapdata7
│                                                                   └─vg_sapdbraid10-lv_sapmntjpr 254:20   0   20G 0 lvm /sapmnt/JPR
│                                                                       └─vg_sapdbraid10-lv_sapreorg 254:21   0   50G 0 lvm /oracle/JPR/sapreorg
│                                                                           └─vg_sapdbraid10-lv_usrsap 254:22   0    5G 0 lvm /usr/sap
│                                                                               └─vg_sapdbraid10-lv_usrsapjpr 254:23   0   50G 0 lvm /usr/sap/JPR
sdd                                  8:48    0   1.7T 0 disk
├─sdd1                               8:49   0   1.7T 0 part
│   └─vg_sapbackup-lv_sapbackup      254:3    0   1.7T 0 lvm /sapbackup_usb
sde                                  8:64    0  10.5T 0 disk
├─sde1                               8:65   0  10.5T 0 part
│   └─vg_sapdbraid10New-lv_sapdata8 254:2    0  10.5T 0 lvm /oracle/JPR/sapdata8

```

ILO AFTER

iLO 5
1.40 Feb 05 2019

Information - iLO Overview

Overview | Security Dashboard | Session List | iLO Event Log | Integrated Management Log | Active Health System Log | Diagnostics

Information

Server Name SAP2019_DB
Product Name ProLiant DL380 Gen10
UUID 37383638-3430-4753-4839-31315838434B
Server Serial Number SGH911X8CK
Product ID 868704-B21
System ROM U30 v2.00 (02/02/2019)
System ROM Date 02/02/2019
Redundant System ROM 02/02/2019
Integrated Remote Console [HTML5](#) [NET](#) [Java Web Start](#)
License Type iLO Advanced
iLO Firmware Version 1.40 Feb 05 2019
IP Address 192.168.204.20
Link-Local IPv6 Address FE80:AF1E:EAFF:FE91:114C
iLO Hostname ILOSGH911X8CK

Status

System Health ● OK
iLO Health ● OK
iLO Security ● Ignored
Server Power ● ON
UID Indicator ● UID BLINK
TPM Status Not Present
SD-Card Status Not Present
iLO Date/Time Tue Jul 23 22:26:00 2024

Connection to HPE

✖ [Remote Support Registration Error](#)

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System Information - Health Summary

Summary | Processors | Memory | Network | Device Inventory | Storage

Subsystems and Devices

↑ Subsystems and Devices

Subsystems and Devices	Status
Agentless Management Service	Not available
BIOS/Hardware Health	OK
Fan Redundancy	Redundant
Fans	OK
Memory	OK
Network	OK
Power	OK
Power Supplies	OK
Processors	OK
Smart Storage Energy Pack	OK
Storage	OK
Temperatures	OK

System Information - Processor Information

Summary Processors Memory Network Device Inventory Storage

Processor 1

Processor Name	Intel(R) Xeon(R) Gold 5120 CPU @ 2.20GHz
Processor Status	OK
Processor Speed	2200 MHz
Execution Technology	14/14 cores; 28 threads
Memory Technology	64-bit Capable
Internal L1 cache	896 KB
Internal L2 cache	14336 KB
Internal L3 cache	19712 KB

Processor 2

Processor Name	Intel(R) Xeon(R) Gold 5120 CPU @ 2.20GHz
----------------	--

System Information - Memory Information

Summary Processors Memory Network Device Inventory Storage

AMP Status

AMP Mode Status	A3DC
Configured AMP Mode	A3DC

Supported AMP Modes

- Advanced ECC
- Online Spare (Rank Sparing)
- Intrsocket Mirroring
- A3DC

Memory Summary

Location	Total Memory Slots	Total Memory	Operating Frequency
Processor 1	12	32 GB	2400 MHz
Processor 2	12	32 GB	2400 MHz

Physical Memory

(show emomv.memory.slots)

Socket Locator	Status	Size	Max Supported Frequency	Technology
PROC 1 DIMM 8	Good, In Use	32.00 GB	2400 MHz	RDIMM
PROC 2 DIMM 8	Good, In Use	32.00 GB	2400 MHz	RDIMM

System Information - Device Inventory

Summary Processors Memory Network **Device Inventory** Storage

Device Inventory [\(show empty slots \)](#)

MCTP Discovery: Enabled [Discovery](#)

Location	Product Name	Product Version	Firmware Version	Status
Embedded ALOM	HPE Ethernet 10Gb 2-port 562FLR-5FP+ Adpt	00	10.4.3	Enabled
Embedded Device	HPE Smart Storage Battery	01	0.70	Enabled
Embedded Device	Embedded Video Controller		2.5	Enabled
Embedded LOM	HPE Ethernet 1Gb 4-port 331i Adapter - NIC		20.14.54	Enabled
PCI-E Slot 1	HPE Smart Array P824i-p MR Gen10	0A	N/A	Unknown

System Information - Storage Information

Summary Processors Memory Network Device Inventory **Storage**

iLO did not detect the Agentless Management Service when this page was loaded. To view a full set of data on this page, ensure that AMS is installed and running. The SAS/SATA controller information is displayed only when AMS is ready on the server. [Learn More](#)

Storage Information

[Collapse All](#)

- Controller on slot 1**
 - Controller Status: Unknown
 - Serial Number: PWEYVQACDAM0FA
 - Model: HPE Smart Array P824i-p MR Gen10
 - Firmware Version: N/A
 - Controller Type: SAS/SATA

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Firmware & OS Software - Installed Firmware

Information
System Information
Firmware & OS Software
iLO Federation
Remote Console & Media
Power & Thermal
Intelligent System Tuning
iLO Dedicated Network Port
iLO Shared Network Port
Remote Support
Administration
Security
Management
Intelligent Provisioning

Firmware Software Maintenance Windows iLO Repository Install Sets Installation Queue

Firmware Name	Firmware Version	Location
iLO 5	1.40 Feb 05 2019	System Board
System ROM	U30 v2.00 (02/02/2019)	System Board
Intelligent Platform Abstraction Data	8.9.0 Build 38	System Board
System Programmable Logic Device	0x2E	System Board
Power Management Controller Firmware	1.0.4	System Board
Power Supply Firmware	1.00	Bay 1
Power Supply Firmware	1.00	Bay 2
Innovation Engine (IE) Firmware	0.2.0.11	System Board
Server Platform Services (SPS) Firmware	4.1.4.251	System Board
Redundant System ROM	U30 v2.00 (02/02/2019)	System Board
Intelligent Provisioning	3.30.213	System Board
Power Management Controller FW Bootloader	1.1	System Board
HPE Smart Storage Battery 1 Firmware	0.70	Embedded Device
HPE Ethernet 10Gb 2-port 562FLR-5FP+ Adpt	10.4.3	Embedded ALOM
HPE Ethernet 1Gb 4-port 331i Adapter - NIC	20.14.54	Embedded LOM
HPE Smart Array P824i-p MR Gen10	N/A	PCI-E Slot 1
Embedded Video Controller	2.5	Embedded Device

Update Firmware
Upload to iLO Repository
Add to Queue

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Power & Thermal - Power Information

Information
System Information
Firmware & OS Software
iLO Federation
Remote Console & Media
Power & Thermal
Intelligent System Tuning
iLO Dedicated Network Port
iLO Shared Network Port
Remote Support
Administration
Security
Management
Intelligent Provisioning

Server Power Power Meter Power Settings **Power** Fans Temperatures

Present Power Reading 154 Watts
Power Management Controller Firmware Version 1.0.4
Power Status Redundant
Power Discovery Services Status N/A
High Efficiency Mode Balanced

Power Supplies

Bay	Present	Status	PDS	Hotplug	Model	Spare	Serial Number	Capacity	Firmware
1	OK	Good, In Use	No	Yes	865414-B21	866730-001	5WBXU0DLLBX2EV	800 Watts	1.00
2	OK	Good, In Use	No	Yes	865414-B21	866730-001	5WBXU0DLLBX2EZ	800 Watts	1.00

Smart Storage Energy Pack

Index	Present	Status	Model	Spare	Serial Number	Type	Firmware
1	OK	OK	875241-B21	878643-001	6WQXLOCB2BT1A2	96W	0.70

Browser window showing iLO 5 interface. URL: https://192.168.204.20

Power & Thermal - Fan Information

Navigation: Server Power | Power Meter | Power Settings | Power | **Fans** | Temperatures

Fans

Fan	Location	Status	Speed
Fan 1	System	OK	12%
Fan 2	System	OK	12%
Fan 3	System	OK	12%
Fan 4	System	OK	11%
Fan 5	System	OK	12%
Fan 6	System	OK	12%

System tray: 22:14, 23/07/2024