

//NAS4> show diag

```
### Time Stamp:      19:45:39 18-Feb-2024
### Host Name:       NAS4
### Host Architecture: x64 (64 bit)
### OS Version:      Microsoft Windows x64 Edition 6.2 (Build 9200)

### Model:           9650SE-24M8
### Serial #:         L323307A9500158
### Controller ID:    0
### CLI Version:      2.00.11.022
### API Version:      2.08.00.027
### Driver Version:   3.00.05.056
### Firmware Version: FE9X 4.10.00.027
### BIOS Version:     BE9X 4.08.00.004
### Available Memory: 448MB
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Diagnostic Information on Controller //NAS4/c0 ...

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Event Trigger and Log Information:

Triggered Event(s) =

- ctlreset (controller soft reset)
- fwassert (firmware assert)
- driveerr (drive error)

Diagnostic log save mode = cont (continuous/last trigger)

Diagnostic event trigger counter = 1

Trigger event counter for ctlrreset = 0

Trigger event counter for fwassert = 0

Trigger event counter for driveerr = 0

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xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)

CBOD (7)[10] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (8)[8] cap: 0x0\_e8d45000 (lbaOff 0)

d> CBOD (9)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (10)[4] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (11)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (12)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (13)[2] cap: 0x0\_e8d45000 (lbaOff 0)

Stripelet Size=256k, parities=1

xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)

d> CBOD (14)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (15)[5] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (16)[7] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (17)[9] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (18)[11] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (19)[15] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (20)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

LUN 0x0 Start LBA 0x0 Size 0x105eeda000

Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor

IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1

Unit 1 retained data=0

SETTINGS: Distributing UNIT 1 parameters (count=2, bytes=102)

Updating cache settings for unit: 1

Unit offline; no FUA writes

DcbMgr::UpdateStatus: UNIT 1 (time 18:41:49)

DcbMgr::UpdateStatus: (finish 18:41:49)

Imported unit 1

UNIT: 1 () is OFFline.

SCTWriteSame=1, FastRebuild=0, fastVerify=0

SBOD (0)[14] cap: 0x0\_e8e040b0 (lbaOff 0) (task: 0%)

LUN 0x0 Start LBA 0x0 Size 0xe8e040b0

Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor

IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1

Nop executed OK

Error, Unit 0: Unit offline

(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)

unit=0

Error, Unit 0: Unit offline

(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)

unit=0

Error, Unit 0: Unit offline

(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)

```
unit=0
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
AutoSpare check...

E=1019 T=18:48:49      : Drive removed
task file written out : cd dh ch cl sn sc ft
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:48:49 P=Ch, D=Ch: Hard reset drive
P=Ch, D=Ch: HardResetDriveWait
P=Ch, D=Ch: HardResetDriveWait
P=Ch, D=Ch: HardResetDriveWait
P=Ch, D=Ch: HardResetDriveWait
task file read back : st dh ch cl sn sc er
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
                        P=Ch, D=Ch: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:48:49
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=12
                        P=Ch, D=Ch: No-op to retry
E=1019 T=18:48:49      : Remove portmap 0x00001000

E=1018 T=18:48:54      : Drive add
                        P=Ch, D=Ch: Drive add confirmed
ATA Identify word 217=7200 (1c20h) port=12

E=1019 T=18:49:04      : Drive removed
task file written out : cd dh ch cl sn sc ft
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:49:04 P=Dh, D=Dh: Hard reset drive
Inventory done, port=12
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:49:04
Drive inserted
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)
port=12
Rollcall, Begin : find drives
--PortHandle[ 12] DriveHandle[ 12] phy: 12
DIT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2000FYYZ-01UL1B3
Serial #: WD-WCC1P1147547
Drv FW #: 01.01K04
Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
```



```
drv ports: Supported 1, Connected : 1
WWN: 50014ee209b1202b
sasAddr: 000000000000000c
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 171, Realloc Sct: 0, Temp (C): 30
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spndle Spd: 7200
```

JBOD=00000000

DcbMgr::UpdateStatus: UNIT 0 (time 18:49:04)

DcbMgr::UpdateStatus: (finish 18:49:04)

Delete J/I/C/Sbod: 6

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: 3

Delete J/I/C/Sbod: 1

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: 0

Delete J/I/C/Sbod: 16

Delete Raid6 (level, LogNumber): 1 -128

Delete J/I/C/Sbod: 10

Delete J/I/C/Sbod: 8

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: 4

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: 2

Delete Raid6 (level, LogNumber): 1 -127

Delete J/I/C/Sbod: -1

Delete J/I/C/Sbod: 5

Delete J/I/C/Sbod: 7

Delete J/I/C/Sbod: 9

Delete J/I/C/Sbod: 11

Delete J/I/C/Sbod: 15

Delete J/I/C/Sbod: -1

Delete Raid6 (level, LogNumber): 1 -126

Delete Raid0 (level, LogNumber): 0 -128

Delete Off(line) (level): 0

UNIT: 0 deleted.

Rollcall, middle : check DCBs, export JBODs

port 0: Valid DCB

port 1: Valid DCB

port 2: Valid DCB

port 3: Valid DCB

port 4: Valid DCB

port 5: Valid DCB

port 6: Valid DCB

port 7: Valid DCB

port 8: Valid DCB

port 9: Valid DCB

port 10: Valid DCB

port 11: Valid DCB

port 12: Valid DCB

port 15: Valid DCB

port 16: Valid DCB

port 21: Valid DCB

Rollcall, finish : make RAID Units

\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels

\*\* Cannot configure RAID-6 DataChnl with 2 bad sub-channels

\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels

\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels

\*\* Dead DataChnl

Did not find ActivityBins on DCB for unit=0

Did not find RbldVrfyBins on DCB for unit=0

Unit 0 retained data=1

SETTINGS: Distributing UNIT 0 parameters (count=4, bytes=51)

Unit offline; no FUA writes

Updating cache settings for unit: 0

Unit offline; no FUA writes

DcbMgr::UpdateStatus: UNIT 0 (time 18:49:04)

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DcbMgr::UpdateStatus: (finish 18:49:04)
Imported unit 0
UNIT: 0 () is OFFline.
SCTWriteSame=1, FastRebuild=0, fastVerify=0
Stripelet Size=1536k
xDEADx RAID0 (80) cap: 70312108032 (task: 0%) (Unclean=0)
Stripelet Size=256k, parities=1
Normal RAID5 (80) cap: 23437369344 (task: 0%) (Unclean=0)
CBOD (0)[6] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (1)[21] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (2)[3] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (3)[1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (4)[12] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (5)[0] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (6)[16] cap: 0x0_e8d45000 (lbaOff 0)
Stripelet Size=256k, parities=1
xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)
CBOD (7)[10] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (8)[8] cap: 0x0_e8d45000 (lbaOff 0)
d> CBOD (9)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (10)[4] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (11)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (12)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (13)[2] cap: 0x0_e8d45000 (lbaOff 0)
Stripelet Size=256k, parities=1
xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)
d> CBOD (14)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (15)[5] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (16)[7] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (17)[9] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (18)[11] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (19)[15] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (20)[-1] cap: 0x0_e8d45000 (lbaOff 0)
LUN 0x0 Start LBA 0x0 Size 0x105eeda000
Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor
IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1
Updating cache settings for unit: 0
Unit offline; no FUA writes
Updating cache settings for unit: 1
Unit offline; no FUA writes
Updating cache settings for unit: 3
Unit offline; no FUA writes
Updating cache settings for unit: 4
Unit offline; no FUA writes
P=Dh, D=Dh: HardResetDriveWait
P=Dh, D=Dh: HardResetDriveWait
P=Dh, D=Dh: HardResetDriveWait
P=Dh, D=Dh: HardResetDriveWait
task file read back : st dh ch cl sn sc er
: 00 00 00 00 00 00 00
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
P=Dh, D=Dh: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:49:04
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=13
P=Dh, D=Dh: No-op to retry
E=1019 T=18:49:04 : Remove portmap 0x00002000
E=1018 T=18:49:54 : Drive add
P=Dh, D=Dh: Drive add confirmed
AutoSpare check...
ATA Identify word 217=7200 (1c20h) port=13
Inventory done, port=13
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:50:14
Drive inserted
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)
port=13
Rollcall, Begin : find drives
--PortHandle[ 13] DriveHandle[ 13] phy: 13
DIT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2001FASS-00W2B0
Serial #: WD-WMAY00500559
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Drv FW #: 01.00101  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
    WWN: 50014ee0ad12d67d  
    sasAddr: 0000000000000000  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 1,  
    SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Acoustic: 0xFE, def=0x80 (0xFE=best performance)  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 332, Realloc Sct: 460, Temp (C): 37  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

JBOD=00000000

E=1019 T=18:50:29 : Drive removed  
task file written out : cd dh ch cl sn sc ft  
                      : 00 00 00 00 00 00 00  
          1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7  
task file 00 00 00 00 00 00 00 00 00 00 00 00  
E=1019 T=18:50:29 P=11h, D=11h: Hard reset drive  
Send AEN (code, time): 0056h, 02/18/2024 18:50:29  
Battery charging completed  
(EC:0x56, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)  
  
P=11h, D=11h: HardResetDriveWait  
P=11h, D=11h: HardResetDriveWait  
P=11h, D=11h: HardResetDriveWait  
P=11h, D=11h: HardResetDriveWait  
task file read back : st dh ch cl sn sc er  
                      : 00 00 00 00 00 00 00  
          1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7  
task file 00 00 00 00 00 00 00 00 00 00 00 00  
P=11h, D=11h: Drive removed confirmed  
Send AEN (code, time): 0019h, 02/18/2024 18:50:29  
Drive removed  
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)  
port=17

P=11h, D=11h: No-op to retry  
E=1019 T=18:50:29 : Remove portmap 0x00020000  
UA:DegradeDrive (driveNumber, errorCode): 11, 120  
Unit offline; no FUA writes  
Unit offline; no FUA writes  
Delete J/I/C/Sbod: 17  
UNIT: 3 deleted.

E=1018 T=18:51:09 : Drive add  
P=11h, D=11h: Drive add confirmed  
AutoSpare check...  
Updating cache settings for unit: 0  
Unit offline; no FUA writes  
Updating cache settings for unit: 1  
Unit offline; no FUA writes  
Updating cache settings for unit: 4  
Unit offline; no FUA writes  
ATA Identify word 217=7200 (1c20h) port=17  
Inventory done, port=17  
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:51:24  
Drive inserted  
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)  
port=17

Rollcall, Begin : find drives  
--PortHandle[ 17] DriveHandle[ 17] phy: 17  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2003FZEX-00Z4SA0  
Serial #: WD-WMC130F7361D  
Drv FW #: 01.01A01  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
    WWN: 50014ee0aed685cd  
    sasAddr: 0000000000000011  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,

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SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WNN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 2107, Realloc Sct: 0, Temp (C): 36
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spindle Spd: 7200

JBOD=00000000

E=1019 T=18:51:29 : Drive removed
task file written out : cd dh ch cl sn sc ft
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:51:29 P=12h, D=12h: Hard reset drive
P=12h, D=12h: HardResetDriveWait
P=12h, D=12h: HardResetDriveWait
P=12h, D=12h: HardResetDriveWait
P=12h, D=12h: HardResetDriveWait
task file read back : st dh ch cl sn sc er
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
                        P=12h, D=12h: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:51:29
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=18
                        P=12h, D=12h: No-op to retry
E=1019 T=18:51:29 : Remove portmap 0x00040000

E=1018 T=18:52:14 : Drive add
                        P=12h, D=12h: Drive add confirmed

E=1019 T=18:52:19 : Drive removed
task file written out : cd dh ch cl sn sc ft
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:52:19 P=13h, D=13h: Hard reset drive
P=13h, D=13h: HardResetDriveWait
P=13h, D=13h: HardResetDriveWait
P=13h, D=13h: HardResetDriveWait
P=13h, D=13h: HardResetDriveWait
task file read back : st dh ch cl sn sc er
                        : 00 00 00 00 00 00 00
                        1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
                        P=13h, D=13h: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:52:19
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=19
                        P=13h, D=13h: No-op to retry
E=1019 T=18:52:19 : Remove portmap 0x00080000
AutoSpare check...
ATA Identify word 217=7200 (1c20h) port=18
Inventory done, port=18
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:52:29
Drive inserted
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)
port=18
Rollcall, Begin : find drives
--PortHandle[ 18] DriveHandle[ 18] phy: 18
DIT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2003FYYS-02W0B1
Serial #: WD-WCAY01061746
Drv FW #: 01.01D02
Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
WWN: 50014ee25d50730a
sasAddr: 0000000000000012
Features: SMART:1, Security: 1, 48-bit addr: 1, Acoustic: 0,
```



```
SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WNN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 236, Realloc Sct: 0, Temp (C): 34
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spindle Spd: 7200

JBOD=00000000

E=1018 T=18:52:54 : Drive add
P=13h, D=13h: Drive add confirmed

E=1019 T=18:53:04 : Drive removed
task file written out : cd dh ch cl sn sc ft
: 00 00 00 00 00 00 00
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:53:04 P=14h, D=14h: Hard reset drive
P=14h, D=14h: HardResetDriveWait
P=14h, D=14h: HardResetDriveWait
P=14h, D=14h: HardResetDriveWait
P=14h, D=14h: HardResetDriveWait
task file read back : st dh ch cl sn sc er
: 00 00 00 00 00 00 00
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
P=14h, D=14h: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:53:09
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=20
P=14h, D=14h: No-op to retry
E=1019 T=18:53:09 : Remove portmap 0x00100000
UA:DegradeDrive (driveNumber, errorCode): 14, 120
Unit offline; no FUA writes
Unit offline; no FUA writes
Delete J/I/C/Sbod: 20
UNIT: 4 deleted.
ATA Identify word 217=0 (0h) port=19
port 19 category: 7200 RPM
Inventory done, port=19
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:53:09
Drive inserted
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)
port=19
Rollcall, Begin : find drives
--PortHandle[ 19] DriveHandle[ 19] phy: 19
DIT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2002FAEX-007BA0
Serial #: WD-WCAY00640290
Drv FW #: 05.01D05
Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
WWN: 50014ee25c902f0e
sasAddr: 0000000000000013
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WNN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 416, Realloc Sct: 0, Temp (C): 36
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spindle Spd: 7200

JBOD=00000000
Updating cache settings for unit: 0
Unit offline; no FUA writes
Updating cache settings for unit: 1
Unit offline; no FUA writes

E=1018 T=18:53:29 : Drive add
P=14h, D=14h: Drive add confirmed
```

E=1019 T=18:53:34 : Drive removed  
task file written out : cd dh ch cl sn sc ft  
: 00 00 00 00 00 00 00  
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7  
task file 00 00 00 00 00 00 00 00 00 00 00 00  
E=1019 T=18:53:34 P=15h, D=15h: Hard reset drive  
P=15h, D=15h: HardResetDriveWait  
P=15h, D=15h: HardResetDriveWait  
P=15h, D=15h: HardResetDriveWait  
P=15h, D=15h: HardResetDriveWait  
task file read back : st dh ch cl sn sc er  
: 00 00 00 00 00 00 00  
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7  
task file 00 00 00 00 00 00 00 00 00 00 00 00  
P=15h, D=15h: Drive removed confirmed  
Send AEN (code, time): 0019h, 02/18/2024 18:53:34  
Drive removed  
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)  
port=21  
P=15h, D=15h: No-op to retry  
E=1019 T=18:53:34 : Remove portmap 0x00200000  
\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels  
\*\* Cannot configure RAID-6 DataChnl with 2 bad sub-channels  
\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels  
Send AEN (code, time): 0002h, 02/18/2024 18:53:34  
Degraded unit  
(EC:0x02, SK=0x04, ASC=0x6b, ASCQ=0x02, SEV=01, Type=0x71)  
unit=0, port=21  
UA:DegradeDrive (driveNumber, errorCode): 15, 0  
UA:RemoveDrive (driveNumber, errorCode): 15, 0  
Stripelet Size=1536k  
xDEADx RAID0 (80) cap: 70312108032 (task: 0%) (Unclean=0)  
Stripelet Size=256k, parities=1  
Degrade RAID5 (80) cap: 23437369344 (task: 0%) (Unclean=0)  
CBOD (0)[6] cap: 0x0\_e8d45000 (lbaOff 0)  
d> CBOD (1)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (2)[3] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (3)[1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (4)[12] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (5)[0] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (6)[16] cap: 0x0\_e8d45000 (lbaOff 0)  
Stripelet Size=256k, parities=1  
xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)  
CBOD (7)[10] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (8)[8] cap: 0x0\_e8d45000 (lbaOff 0)  
d> CBOD (9)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (10)[4] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (11)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (12)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (13)[2] cap: 0x0\_e8d45000 (lbaOff 0)  
Stripelet Size=256k, parities=1  
xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)  
d> CBOD (14)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (15)[5] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (16)[7] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (17)[9] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (18)[11] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (19)[15] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (20)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
Updating cache settings for unit: 0  
Unit offline; no FUA writes  
Updating cache settings for unit: 1  
Unit offline; no FUA writes  
ATA Identify word 217=7200 (1c20h) port=20  
Inventory done, port=20  
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:53:39  
Drive inserted  
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)  
port=20  
Rollcall, Begin : find drives  
--PortHandle[ 20] DriveHandle[ 20] phy: 20  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3



Serial #: WD-WCC1P1YV07N0  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee20cb73508  
sasAddr: 0000000000000014  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 171, Realloc Sct: 0, Temp (C): 34  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spndle Spd: 7200

JBOD=00000000

Send AEN (code, time): 001eh, 02/18/2024 18:53:54

Unit inoperable

(EC:0x1e, SK=0x05, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x71)

unit=0

E=1018 T=18:53:59 : Drive add  
P=15h, D=15h: Drive add confirmed

E=1019 T=18:54:04 : Drive removed

task file written out : cd dh ch cl sn sc ft

: 00 00 00 00 00 00 00

1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7

task file 00 00 00 00 00 00 00 00 00 00 00 00

E=1019 T=18:54:04 P=16h, D=16h: Hard reset drive

P=16h, D=16h: HardResetDriveWait

P=16h, D=16h: HardResetDriveWait

P=16h, D=16h: HardResetDriveWait

P=16h, D=16h: HardResetDriveWait

task file read back : st dh ch cl sn sc er

: 00 00 00 00 00 00 00

1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7

task file 00 00 00 00 00 00 00 00 00 00 00 00

P=16h, D=16h: Drive removed confirmed

Send AEN (code, time): 0019h, 02/18/2024 18:54:04

Drive removed

(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)

port=22

P=16h, D=16h: No-op to retry

E=1019 T=18:54:04 : Remove portmap 0x00400000

ATA Identify word 217=7200 (1c20h) port=21

Inventory done, port=21

Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:54:09

Drive inserted

(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)

port=21

Rollcall, Begin : find drives

--PortHandle[ 21] DriveHandle[ 21] phy: 21

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B2

Serial #: WD-WMC1P0F4YMN1

Drv FW #: 01.01K03

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

WWN: 50014ee6b0536f2f

sasAddr: 0000000000000015

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,

SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 213, Realloc Sct: 0, Temp (C): 33

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spndle Spd: 7200

JBOD=00000000

DcbMgr::UpdateStatus: UNIT 0 (time 18:54:09)

DcbMgr::UpdateStatus: (finish 18:54:09)

Delete J/I/C/Sbod: 6

```
Delete J/I/C/Sbod: -1
Delete J/I/C/Sbod: 3
Delete J/I/C/Sbod: 1
Delete J/I/C/Sbod: 12
Delete J/I/C/Sbod: 0
Delete J/I/C/Sbod: 16
Delete Raid6 (level, LogNumber): 1 -128
Delete J/I/C/Sbod: 10
Delete J/I/C/Sbod: 8
Delete J/I/C/Sbod: -1
Delete J/I/C/Sbod: 4
Delete J/I/C/Sbod: -1
Delete J/I/C/Sbod: -1
Delete J/I/C/Sbod: 2
Delete Raid6 (level, LogNumber): 1 -127
Delete J/I/C/Sbod: -1
Delete J/I/C/Sbod: 5
Delete J/I/C/Sbod: 7
Delete J/I/C/Sbod: 9
Delete J/I/C/Sbod: 11
Delete J/I/C/Sbod: 15
Delete J/I/C/Sbod: -1
Delete Raid6 (level, LogNumber): 1 -126
Delete Raid0 (level, LogNumber): 0 -128
Delete Off(line) (level): 0
UNIT: 0 deleted.
```

Rollcall, middle : check DCBs, export JBODs

```
port 0: Valid DCB
port 1: Valid DCB
port 2: Valid DCB
port 3: Valid DCB
port 4: Valid DCB
port 5: Valid DCB
port 6: Valid DCB
port 7: Valid DCB
port 8: Valid DCB
port 9: Valid DCB
port 10: Valid DCB
port 11: Valid DCB
port 12: Valid DCB
port 15: Valid DCB
port 16: Valid DCB
port 21: Valid DCB
```

Rollcall, finish : make RAID Units

```
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Cannot configure RAID-6 DataChnl with 2 bad sub-channels
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Dead DataChnl
```

Did not find ActivityBins on DCB for unit=0

Did not find RbldVrfyBins on DCB for unit=0

Unit 0 retained data=1

SETTINGS: Distributing UNIT 0 parameters (count=4, bytes=51)

Unit offline; no FUA writes

Updating cache settings for unit: 0

Unit offline; no FUA writes

DcbMgr::UpdateStatus: UNIT 0 (time 18:54:09)

DcbMgr::UpdateStatus: (finish 18:54:09)

Imported unit 0

UNIT: 0 () is OFFline.

SCTWriteSame=1, FastRebuild=0, fastVerify=0

Stripelet Size=1536k

xDEADx RAID0 (80) cap: 70312108032 (task: 0%) (Unclean=0)

Stripelet Size=256k, parities=1

Normal RAID5 (80) cap: 23437369344 (task: 0%) (Unclean=0)

CBOD (0)[6] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (1)[21] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (2)[3] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (3)[1] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (4)[12] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (5)[0] cap: 0x0\_e8d45000 (lbaOff 0)

CBOD (6)[16] cap: 0x0\_e8d45000 (lbaOff 0)

Stripelet Size=256k, parities=1



```
xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)
CBOD (7)[10] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (8)[8] cap: 0x0_e8d45000 (lbaOff 0)
d> CBOD (9)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (10)[4] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (11)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (12)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (13)[2] cap: 0x0_e8d45000 (lbaOff 0)
Stripelet Size=256k, parities=1
xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)
d> CBOD (14)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (15)[5] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (16)[7] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (17)[9] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (18)[11] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (19)[15] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (20)[-1] cap: 0x0_e8d45000 (lbaOff 0)
LUN 0x0 Start LBA 0x0 Size 0x105eada000
Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor
IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1
Updating cache settings for unit: 0
Unit offline; no FUA writes
Updating cache settings for unit: 1
Unit offline; no FUA writes

E=1018 T=18:55:09 : Drive add
P=16h, D=16h: Drive add confirmed
AutoSpare check...

E=1019 T=18:55:14 : Drive removed
task file written out : cd dh ch cl sn sc ft
: 00 00 00 00 00 00 00
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
E=1019 T=18:55:14 P=17h, D=17h: Hard reset drive
P=17h, D=17h: HardResetDriveWait
P=17h, D=17h: HardResetDriveWait
P=17h, D=17h: HardResetDriveWait
P=17h, D=17h: HardResetDriveWait
task file read back : st dh ch cl sn sc er
: 00 00 00 00 00 00 00
1F1 x1F1 1F2 x1F2 1F3 x1F3 1F4 x1F4 1F5 x1F5 1F6 1F7
task file 00 00 00 00 00 00 00 00 00 00 00 00
P=17h, D=17h: Drive removed confirmed
Send AEN (code, time): 0019h, 02/18/2024 18:55:19
Drive removed
(EC:0x19, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=02, Type=0x71)
port=23
P=17h, D=17h: No-op to retry
E=1019 T=18:55:19 : Remove portmap 0x00800000
ATA Identify word 217=7200 (1c20h) port=22
Inventory done, port=22
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:55:19
Drive inserted
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)
port=22
Rollcall, Begin : find drives
--PortHandle[ 22] DriveHandle[ 22] phy: 22
DIT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2003FYYS-02W0B1
Serial #: WD-WCAY00049046
Drv FW #: 01.01D02
Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
WWN: 50014ee206a75339
sasAddr: 0000000000000016
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 234, Realloc Sct: 0, Temp (C): 36
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spindle Spd: 7200
```

JBOD=00000000

E=1018 T=18:55:44 : Drive add  
P=17h, D=17h: Drive add confirmed  
ATA Identify word 217=0 (0h) port=23  
port 23 category: 7200 RPM  
Inventory done, port=23  
Associate slots: Send AEN (code, time): 001ah, 02/18/2024 18:55:59  
Drive inserted  
(EC:0x1a, SK=0x00, ASC=0x00, ASCQ=0x00, SEV=03, Type=0x71)  
port=23  
Rollcall, Begin : find drives  
--PortHandle[ 23] DriveHandle[ 23] phy: 23  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2002FAEX-007BA0  
Serial #: WD-WMAY04965020  
Drv FW #: 05.01D05  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee2b197b30c  
sasAddr: 0000000000000017  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 417, Realloc Sct: 0, Temp (C): 36  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

JBOD=00000000

BBU status word : 0xf0142088

-----  
//NAS4/c0 Controller Log Information ...  
-----

ported 1, Connected : 1  
WWN: 50014ee003f08978  
sasAddr: 000000000000000a  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 197, Realloc Sct: 0, Temp (C): 38  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=11  
Inventory done, port=11  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 11] DriveHandle[ 11] phy: 11  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B2  
Serial #: WD-WCC1P3CFA96F  
Drv FW #: 01.01K03  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee2b7772efe  
sasAddr: 000000000000000b  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 214, Realloc Sct: 0, Temp (C): 35  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200



Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=12  
Inventory done, port=12  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 12] DriveHandle[ 12] phy: 12  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3  
Serial #: WD-WCC1P1147547  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee209b1202b  
sasAddr: 000000000000000c  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: Timelimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 171, Realloc Sct: 0, Temp (C): 38  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=15  
Inventory done, port=15  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 15] DriveHandle[ 15] phy: 15  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3  
Serial #: WD-WCC1PFP29634  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee05962962d  
sasAddr: 000000000000000f  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: Timelimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 168, Realloc Sct: 0, Temp (C): 38  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=16  
Inventory done, port=16  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 16] DriveHandle[ 16] phy: 16  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B1  
Serial #: WD-WCC1P0818638  
Drv FW #: 01.01K02  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee2092a3a2c  
sasAddr: 0000000000000010  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: Timelimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 1006, Realloc Sct: 0, Temp (C): 40  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=21  
Inventory done, port=21  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 21] DriveHandle[ 21] phy: 21

```

IT status: DRV_PRESENT (0xFF)
Drv type: SATA Direct
Model #: WDC WD2000FYYZ-01UL1B2
Serial #: WD-WMC1P0F4YMN1
Drv FW #: 01.01K03
Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
WWN: 50014ee6b0536f2f
sasAddr: 0000000000000015
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
SCTWriteSame: 1
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1
Security: Status=0x21 (disabled, unlocked)
DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 213, Realloc Sct: 0, Temp (C): 40
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spindle Spd: 7200
```

```
ImportUnit command (drive map): 0x00219FFF
```

```
Rollcall, middle : check DCBs, export JBODs
```

```
port 0: Valid DCB
port 1: Valid DCB
port 2: Valid DCB
port 3: Valid DCB
port 4: Valid DCB
port 5: Valid DCB
port 6: Valid DCB
port 7: Valid DCB
port 8: Valid DCB
port 9: Valid DCB
port 10: Valid DCB
port 11: Valid DCB
port 12: Valid DCB
port 15: Valid DCB
port 16: Valid DCB
port 21: Valid DCB
```

```
Rollcall, finish : make RAID Units
```

```
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Cannot configure RAID-6 DataChnl with 2 bad sub-channels
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Cannot configure RAID-6 DataChnl with 3 bad sub-channels
** Dead DataChnl
```

```
Did not find ActivityBins on DCB for unit=3
```

```
Did not find RbldVrfyBins on DCB for unit=3
```

```
Unit 3 retained data=0
```

```
GETTINGS: Distributing UNIT 3 parameters (count=4, bytes=51)
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 3
```

```
Unit offline; no FUA writes
```

```
OcbMgr::UpdateStatus: UNIT 3 (time 19:25:05)
```

```
OcbMgr::UpdateStatus: (finish 19:25:05)
```

```
Imported unit 3
```

```
UNIT: 3 () is OFFline.
```

```
SCTWriteSame=1, FastRebuild=0, fastVerify=0
```

```
Stripelet Size=1536k
```

```
xDEADx RAID0 (80) cap: 70312108032 (task: 0%) (Unclean=0)
```

```
Stripelet Size=256k, parities=1
```

```
Normal RAID5 (80) cap: 23437369344 (task: 0%) (Unclean=0)
```

```
CBOD (0)[6] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (1)[21] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (2)[3] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (3)[1] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (4)[12] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (5)[0] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (6)[16] cap: 0x0_e8d45000 (lbaOff 0)
```

```
Stripelet Size=256k, parities=1
```

```
xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)
```

```
CBOD (7)[10] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (8)[8] cap: 0x0_e8d45000 (lbaOff 0)
```

```
d> CBOD (9)[-1] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (10)[4] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (11)[-1] cap: 0x0_e8d45000 (lbaOff 0)
```

```
CBOD (12)[-1] cap: 0x0_e8d45000 (lbaOff 0)
```



```
CBOD (13)[2] cap: 0x0_e8d45000 (lbaOff 0)
Stripelet Size=256k, parities=1
xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)
d> CBOD (14)[-1] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (15)[5] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (16)[7] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (17)[9] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (18)[11] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (19)[15] cap: 0x0_e8d45000 (lbaOff 0)
CBOD (20)[-1] cap: 0x0_e8d45000 (lbaOff 0)
LUN 0x0 Start LBA 0x0 Size 0x105eeda000
Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor
IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1
Nop executed OK
Error, Unit 0: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=0
Error, Unit 0: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=0
Error, Unit 0: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=0
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 1: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=1
Error, Unit 2: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=2
Error, Unit 2: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=2
Error, Unit 2: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=2
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 3: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=3
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
Error, Unit 4: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=4
Error, Unit 5: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=5
Error, Unit 5: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=5
Error, Unit 5: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=5
Error, Unit 6: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=6
Error, Unit 6: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=6
Error, Unit 6: Unit offline
```

```
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=6
Error, Unit 7: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=7
Error, Unit 7: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=7
Error, Unit 7: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=7
Error, Unit 8: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=8
Error, Unit 8: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=8
Error, Unit 8: Unit offline
(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)
unit=8
SELF TEST: all tests completed.
AutoSpare check...
```

```
DeleteUnit 3 command, destroy=0, retain=1, dirty=0
```

```
Unit offline; no FUA writes
```

```
Unit offline; no FUA writes
```

```
Delete J/I/C/Sbod: 6
```

```
Delete J/I/C/Sbod: 21
```

```
Delete J/I/C/Sbod: 3
```

```
Delete J/I/C/Sbod: 1
```

```
Delete J/I/C/Sbod: 12
```

```
Delete J/I/C/Sbod: 0
```

```
Delete J/I/C/Sbod: 16
```

```
Delete Raid6 (level, LogNumber): 1 -128
```

```
Delete J/I/C/Sbod: 10
```

```
Delete J/I/C/Sbod: 8
```

```
Delete J/I/C/Sbod: -1
```

```
Delete J/I/C/Sbod: 4
```

```
Delete J/I/C/Sbod: -1
```

```
Delete J/I/C/Sbod: -1
```

```
Delete J/I/C/Sbod: 2
```

```
Delete Raid6 (level, LogNumber): 1 -127
```

```
Delete J/I/C/Sbod: -1
```

```
Delete J/I/C/Sbod: 5
```

```
Delete J/I/C/Sbod: 7
```

```
Delete J/I/C/Sbod: 9
```

```
Delete J/I/C/Sbod: 11
```

```
Delete J/I/C/Sbod: 15
```

```
Delete J/I/C/Sbod: -1
```

```
Delete Raid6 (level, LogNumber): 1 -126
```

```
Delete Raid0 (level, LogNumber): 0 -128
```

```
Delete Off(line) (level): 0
```

```
UNIT: 3 deleted.
```

```
Updating cache settings for unit: 0
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 1
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 2
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 4
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 5
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 6
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 7
```

```
Unit offline; no FUA writes
```

```
Updating cache settings for unit: 8
```

```
Unit offline; no FUA writes
```

```
HotSwap command, drive 6
```

```
HotSwap command, drive 21
```

```
HotSwap command, drive 3
```

```
HotSwap command, drive 1
```

```
HotSwap command, drive 12
```

```
HotSwap command, drive 0
```



```
HotSwap command, drive 16
HotSwap command, drive 10
HotSwap command, drive 8
HotSwap command, drive 4
HotSwap command, drive 2
HotSwap command, drive 5
HotSwap command, drive 7
HotSwap command, drive 9
HotSwap command, drive 11
HotSwap command, drive 15
Rollcall, Begin : find drives
ATA Identify word 217=7200 (1c20h) port=0
Inventory done, port=0
Associate slots: Rollcall, Waiting to start DCB read
--PortHandle[ 0] DriveHandle[ 0] phy: 0
DIT status: DRV_PRESENT (0xFF)
  Drv type: SATA Direct
  Model #: WDC WD2003FZEX-00SRLA0
  Serial #: WD-WMC6N0F2Y0YD
  Drv FW #: 01.01A01
  Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
  WWN: 50014ee0aef6ba16
  sasAddr: 0000000000000000
  Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
    SCTWriteSame: 1
  Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WWN: 1
  Security: Status=0x21 (disabled, unlocked)
  DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 321, Realloc Sct: 0, Temp (C): 37
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spndle Spd: 7200
```

```
Rollcall, Begin : find drives
ATA Identify word 217=7200 (1c20h) port=1
Inventory done, port=1
Associate slots: Rollcall, Waiting to start DCB read
--PortHandle[ 1] DriveHandle[ 1] phy: 1
DIT status: DRV_PRESENT (0xFF)
  Drv type: SATA Direct
  Model #: WDC WD2000FYYZ-01UL1B3
  Serial #: WD-WMC1P0DPKK8N
  Drv FW #: 01.01K04
  Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
  WWN: 50014ee65a94da44
  sasAddr: 0000000000000001
  Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
    SCTWriteSame: 1
  Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1
  Security: Status=0x21 (disabled, unlocked)
  DMA TCQ: 0 ++ SATA NCQ: 1
Pwr Cycles: 175, Realloc Sct: 0, Temp (C): 37
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)
Spndle Spd: 7200
```

```
Rollcall, Begin : find drives
ATA Identify word 217=7200 (1c20h) port=2
Inventory done, port=2
Associate slots: Rollcall, Waiting to start DCB read
--PortHandle[ 2] DriveHandle[ 2] phy: 2
DIT status: DRV_PRESENT (0xFF)
  Drv type: SATA Direct
  Model #: WDC WD2000FYYZ-01UL1B2
  Serial #: WD-WMC1P0E5PKE6
  Drv FW #: 01.01K03
  Capacity: 3907029168 (0x0_e8e088b0) [~1863.17 GB]
drv ports: Supported 1, Connected : 1
  WWN: 50014ee003f1e5e4
  sasAddr: 0000000000000002
  Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,
    SCTWriteSame: 1
  Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1
  Security: Status=0x21 (disabled, unlocked)
  DMA TCQ: 0 ++ SATA NCQ: 1
```

Pwr Cycles: 183, Realloc Sct: 0, Temp (C): 38  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=0 (0h) port=3  
port 3 category: 7200 RPM  
Inventory done, port=3  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 3] DriveHandle[ 3] phy: 3  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2002FAEX-007BA0  
Serial #: WD-WMAWP0446659  
Drv FW #: 05.01D05  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee058bdfea9  
sasAddr: 0000000000000003  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 314, Realloc Sct: 0, Temp (C): 42  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=4  
Inventory done, port=4  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 4] DriveHandle[ 4] phy: 4  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3  
Serial #: WD-WMC1P0503738  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee0ae84b027  
sasAddr: 0000000000000004  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 178, Realloc Sct: 0, Temp (C): 36  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=5  
Inventory done, port=5  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 5] DriveHandle[ 5] phy: 5  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3  
Serial #: WD-WMC1P0E3EY9A  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee00404459e  
sasAddr: 0000000000000005  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 174, Realloc Sct: 0, Temp (C): 35  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives



ATA Identify word 217=7200 (1c20h) port=6  
Inventory done, port=6  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 6] DriveHandle[ 6] phy: 6  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2003FZEX-00Z4SA0  
Serial #: WD-WMC130H13J97  
Drv FW #: 01.01A01  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee05986503a  
sasAddr: 0000000000000006  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 0, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 841, Realloc Sct: 0, Temp (C): 43  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=7  
Inventory done, port=7  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 7] DriveHandle[ 7] phy: 7  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: WDC WD2000FYYZ-01UL1B3  
Serial #: WD-WMC1P0466681  
Drv FW #: 01.01K04  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 50014ee003d1985e  
sasAddr: 0000000000000007  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 185, Realloc Sct: 0, Temp (C): 39  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=8  
Inventory done, port=8  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 8] DriveHandle[ 8] phy: 8  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: MB2000EBUCF  
Serial #: YFGK4UBA  
Drv FW #: MK70HPG0  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
WWN: 5000cca223c7cc65  
sasAddr: 0000000000000008  
Features: SMART: 1, Security: 0, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 154, Realloc Sct: 0, Temp (C): 41  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives  
ATA Identify word 217=7200 (1c20h) port=9  
Inventory done, port=9  
Associate slots: Rollcall, Waiting to start DCB read  
--PortHandle[ 9] DriveHandle[ 9] phy: 9  
DIT status: DRV\_PRESENT (0xFF)  
Drv type: SATA Direct  
Model #: HGST HUS724020ALA640

Serial #: PN1131P6JTLBVW  
Drv FW #: MF60AA70  
Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]  
drv ports: Supported 1, Connected : 1  
    WWN: 5000cca22de75ceb  
    sasAddr: 0000000000000009  
Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
    SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 1, WWN: 1  
Security: Status=0x1 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 819, Realloc Sct: 0, Temp (C): 40  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=10

Inventory done, port=10

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 10] DriveHandle[ 10] phy: 10

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B3

Serial #: WD-WMC1P0DKMEV8

Drv FW #: 01.01K04

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

    WWN: 50014ee003f08978

    sasAddr: 000000000000000a

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
    SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 197, Realloc Sct: 0, Temp (C): 39

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=11

Inventory done, port=11

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 11] DriveHandle[ 11] phy: 11

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B2

Serial #: WD-WCC1P3CFA96F

Drv FW #: 01.01K03

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

    WWN: 50014ee2b7772efe

    sasAddr: 000000000000000b

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
    SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 214, Realloc Sct: 0, Temp (C): 36

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=12

Inventory done, port=12

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 12] DriveHandle[ 12] phy: 12

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B3

Serial #: WD-WCC1P1147547

Drv FW #: 01.01K04

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

    WWN: 50014ee209b1202b

    sasAddr: 000000000000000c



Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,  
SCTWriteSame: 1  
Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1  
Security: Status=0x21 (disabled, unlocked)  
DMA TCQ: 0 ++ SATA NCQ: 1  
Pwr Cycles: 171, Realloc Sct: 0, Temp (C): 39  
Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)  
Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=15

Inventory done, port=15

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 15] DriveHandle[ 15] phy: 15

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B3

Serial #: WD-WCC1PFP29634

Drv FW #: 01.01K04

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

WWN: 50014ee05962962d

sasAddr: 000000000000000f

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,

SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 168, Realloc Sct: 0, Temp (C): 40

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=16

Inventory done, port=16

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 16] DriveHandle[ 16] phy: 16

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B1

Serial #: WD-WCC1P0818638

Drv FW #: 01.01K02

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

WWN: 50014ee2092a3a2c

sasAddr: 0000000000000010

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,

SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 1006, Realloc Sct: 0, Temp (C): 40

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spindle Spd: 7200

Rollcall, Begin : find drives

ATA Identify word 217=7200 (1c20h) port=21

Inventory done, port=21

Associate slots: Rollcall, Waiting to start DCB read

--PortHandle[ 21] DriveHandle[ 21] phy: 21

DIT status: DRV\_PRESENT (0xFF)

Drv type: SATA Direct

Model #: WDC WD2000FYYZ-01UL1B2

Serial #: WD-WMC1P0F4YMN1

Drv FW #: 01.01K03

Capacity: 3907029168 (0x0\_e8e088b0) [~1863.17 GB]

drv ports: Supported 1, Connected : 1

WWN: 50014ee6b0536f2f

sasAddr: 0000000000000015

Features: SMART: 1, Security: 1, 48-bit addr: 1, Acoustic: 0,

SCTWriteSame: 1

Feat. Ext: TimeLimited R/W: 0, WDMA FUA: 1, Stream: 0, WWN: 1

Security: Status=0x21 (disabled, unlocked)

DMA TCQ: 0 ++ SATA NCQ: 1

Pwr Cycles: 213, Realloc Sct: 0, Temp (C): 41

Link Speed: Supported=0x3 (1.5 Gbs to 3.0 Gbs) Current=0x2 (3.0 Gbs)

Spindle Spd: 7200

ImportUnit command (drive map): 0x00219FFF

Rollcall, middle : check DCBs, export JBODs

port 0: Valid DCB  
port 1: Valid DCB  
port 2: Valid DCB  
port 3: Valid DCB  
port 4: Valid DCB  
port 5: Valid DCB  
port 6: Valid DCB  
port 7: Valid DCB  
port 8: Valid DCB  
port 9: Valid DCB  
port 10: Valid DCB  
port 11: Valid DCB  
port 12: Valid DCB  
port 15: Valid DCB  
port 16: Valid DCB  
port 21: Valid DCB

Rollcall, finish : make RAID Units

\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels  
\*\* Cannot configure RAID-6 DataChnl with 2 bad sub-channels  
\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels  
\*\* Cannot configure RAID-6 DataChnl with 3 bad sub-channels  
\*\* Dead DataChnl

Did not find ActivityBins on DCB for unit=3

Did not find RbldVrfyBins on DCB for unit=3

Unit 3 retained data=0

SETTINGS: Distributing UNIT 3 parameters (count=4, bytes=51)

Unit offline; no FUA writes

Updating cache settings for unit: 3

Unit offline; no FUA writes

DcbMgr::UpdateStatus: UNIT 3 (time 19:37:55)

DcbMgr::UpdateStatus: (finish 19:37:55)

Imported unit 3

UNIT: 3 () is OFFline.

SCTWriteSame=1, FastRebuild=0, fastVerify=0

Stripelet Size=1536k

xDEADx RAID0 (80) cap: 70312108032 (task: 0%) (Unclean=0)

Stripelet Size=256k, parities=1

Normal RAID5 (80) cap: 23437369344 (task: 0%) (Unclean=0)

CBOD (0)[6] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (1)[21] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (2)[3] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (3)[1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (4)[12] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (5)[0] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (6)[16] cap: 0x0\_e8d45000 (lbaOff 0)

Stripelet Size=256k, parities=1

xDEADx RAID5 (81) cap: 23437369344 (task: 0%) (Unclean=0)

CBOD (7)[10] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (8)[8] cap: 0x0\_e8d45000 (lbaOff 0)  
d> CBOD (9)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (10)[4] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (11)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (12)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (13)[2] cap: 0x0\_e8d45000 (lbaOff 0)

Stripelet Size=256k, parities=1

xDEADx RAID5 (82) cap: 23437369344 (task: 0%) (Unclean=0)

d> CBOD (14)[-1] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (15)[5] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (16)[7] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (17)[9] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (18)[11] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (19)[15] cap: 0x0\_e8d45000 (lbaOff 0)  
CBOD (20)[-1] cap: 0x0\_e8d45000 (lbaOff 0)

LUN 0x0 Start LBA 0x0 Size 0x105eeda000

Cache Settings: WCE=0 - (ForceDriveCacheOn=0) - RCD=0 - DRA=0 - DPO=honor

IgnoreFua=1, WriteJournaling=1, DisableCacheOnDegrade=1

Nop executed OK

Error, Unit 0: Unit offline



[illegible]

(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)

unit=8

Error, Unit 8: Unit offline

(EC:0x128, SK=0x02, ASC=0x04, ASCQ=0x00, SEV=01, Type=0x70)

unit=8

AutoSpare check...

//NAS4> show rebuild

Rebuild Schedule for Controller /c0

Slot	Day	Hour	Duration	Status
1	-	-	-	disabled
2	-	-	-	disabled
3	Tue	2:00pm	18 hr(s)	disabled
4	-	-	-	disabled
5	-	-	-	disabled
6	-	-	-	disabled
7	-	-	-	disabled

//NAS4> /c0 show

Unit	UnitType	Status	%RCmpl	%V/I/M	Stripe	Size(GB)	Cache	AVrfy
u0	SPARE	OK	-	-	-	1863.01	-	OFF
u1	SPARE	OK	-	-	-	1863.01	-	OFF
u2	SPARE	OK	-	-	-	1863.01	-	OFF
u3	RAID-50	INOPERABLE	-	-	256K	33527.4	Ri	ON
u4	SPARE	OK	-	-	-	1863.01	-	OFF
u5	SPARE	OK	-	-	-	1863.01	-	OFF
u6	SPARE	OK	-	-	-	1863.01	-	OFF
u7	SPARE	OK	-	-	-	1863.01	-	OFF
u8	SPARE	OK	-	-	-	1863.01	-	OFF

VPort	Status	Unit	Size	Type	Phy	Encl-Slot	Model
p0	OK	u3	1.82 TB	SATA	0	-	WDC WD2003FZEX-00SR
p1	OK	u3	1.82 TB	SATA	1	-	WDC WD2000FYYZ-01UL
p2	OK	u3	1.82 TB	SATA	2	-	WDC WD2000FYYZ-01UL
p3	OK	u3	1.82 TB	SATA	3	-	WDC WD2002FAEX-007B
p4	OK	u3	1.82 TB	SATA	4	-	WDC WD2000FYYZ-01UL
p5	OK	u3	1.82 TB	SATA	5	-	WDC WD2000FYYZ-01UL
p6	OK	u3	1.82 TB	SATA	6	-	WDC WD2003FZEX-00Z4
p7	OK	u3	1.82 TB	SATA	7	-	WDC WD2000FYYZ-01UL
p8	OK	u3	1.82 TB	SATA	8	-	MB2000EBUCF
p9	OK	u3	1.82 TB	SATA	9	-	HGST HUS724020ALA640
p10	OK	u3	1.82 TB	SATA	10	-	WDC WD2000FYYZ-01UL
p11	OK	u3	1.82 TB	SATA	11	-	WDC WD2000FYYZ-01UL
p12	OK	u3	1.82 TB	SATA	12	-	WDC WD2000FYYZ-01UL
p13	OK	u4	1.82 TB	SATA	13	-	WDC WD2001FASS-00W2
p14	OK	u0	1.82 TB	SATA	14	-	WDC WD2001FASS-00W2
p15	OK	u3	1.82 TB	SATA	15	-	WDC WD2000FYYZ-01UL
p16	OK	u3	1.82 TB	SATA	16	-	WDC WD2000FYYZ-01UL
p17	OK	u5	1.82 TB	SATA	17	-	WDC WD2003FZEX-00Z4
p18	OK	u6	1.82 TB	SATA	18	-	WDC WD2003FYYS-02W0
p19	OK	u7	1.82 TB	SATA	19	-	WDC WD2002FAEX-007B
p20	OK	u8	1.82 TB	SATA	20	-	WDC WD2000FYYZ-01UL
p21	OK	u3	1.82 TB	SATA	21	-	WDC WD2000FYYZ-01UL
p22	OK	u2	1.82 TB	SATA	22	-	WDC WD2003FYYS-02W0
p23	OK	u1	1.82 TB	SATA	23	-	WDC WD2002FAEX-007B

Name	OnlineState	BBUReady	Status	Volt	Temp	Hours	LastCapTest
bbu	On	Yes	OK	OK	OK	0	xx-xxx-xxxx