

DuckCorp Infrastructure - Enhancement #612

Enhancement # 537 (In Progress): Toushirou and Orfeo would like a brand new body

new Toushirou: check disks

2018-03-10 00:26 - Pierre-Louis Bonicoli

Status:	Resolved	Start date:	2018-03-10
Priority:	Normal	Due date:	
Assignee:	Pierre-Louis Bonicoli	% Done:	100%
Category:	System :: Hardware	Estimated time:	0.00 hour
Target version:		Entity:	DuckCorp
Patch Available:		Security:	
Confirmed:	No	Help Needed:	
Branch:			

Description

SMART Health Status is OK for each disks (sdb to sdg)

```
# badblocks -w -s -v -o sdb /dev/sdb
Checking for bad blocks in read-write mode
From block 0 to 143338559
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
# badblocks -w -s -v -o sdc /dev/sdc
Checking for bad blocks in read-write mode
From block 0 to 143338559
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
# badblocks -w -s -v -o sdd /dev/sdd
Checking for bad blocks in read-write mode
From block 0 to 143338559
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
# badblocks -w -s -v -o sde /dev/sde
Checking for bad blocks in read-write mode
From block 0 to 292935981
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
# badblocks -w -s -v -o sdf /dev/sdf
Checking for bad blocks in read-write mode
From block 0 to 292935981
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
badblocks -w -s -v -o sdg /dev/sdg
Checking for bad blocks in read-write mode
From block 0 to 292935981
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

```
# badblocks -w -s -v -o sdh /dev/sdh
Checking for bad blocks in read-write mode
From block 0 to 292935981
Testing with pattern 0xaa: done
Reading and comparing: done
Testing with pattern 0x55: done
Reading and comparing: done
Testing with pattern 0xff: done
Reading and comparing: done
Testing with pattern 0x00: done
Reading and comparing: done
Pass completed, 0 bad blocks found. (0/0/0 errors)
```

- /dev/sdb

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors
	ECC					
	fast	delayed				
read:	0	0	0	0	0.000	0
write:	0	0	0	0	0.000	0

Non-medium error count: 0

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=== START OF READ SMART DATA SECTION ===

SMART Health Status: HARDWARE IMPENDING FAILURE GENERAL HARD DRIVE FAILURE [asc=5d, ascq=10]

- /dev/sdc

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors
	ECC					
	fast	delayed				
read:	0	0	941478209	0	75794.243	0
write:	0	0	0	0	49446.575	0

Non-medium error count: 2

- /dev/sdd

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors
	ECC					
	fast	delayed				
read:	0	2441393	0	0	1486993.105	0
write:	0	56872	0	56872	15547.188	0

Non-medium error count: 1134

- /dev/sde

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors	
	fast	delayed					
read:	0	1637714	0	2	0	345334.396	0
write:	0	151356	0	151356	0	12756.284	0

Non-medium error count: 1106

- /dev/sdf

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors	
	fast	delayed					
read:	0	840719	0	0	0	50475.315	0
write:	0	94728	0	94728	0	9676.311	0

Non-medium error count: 131

- /dev/sdg

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error counter log:

	Errors Corrected by		Total errors corrected	Correction algorithm invocations	Gigabytes processed [10 ⁹ bytes]	Total uncorrected errors	
	fast	delayed					
read:	0	1999723	0	0	0	328858.207	0
write:	0	26272	0	26272	0	12631.490	0

Non-medium error count: 1094

- /dev/sdh

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-4-amd64] (local build)
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=== START OF READ SMART DATA SECTION ===

Error Counter logging not supported

History

#1 - 2018-03-10 00:28 - Pierre-Louis Bonicoli

- Description updated

#2 - 2018-03-10 01:41 - Pierre-Louis Bonicoli

- Description updated

- % Done changed from 0 to 80

Seven tested disks are OK, one more to go.

#3 - 2018-03-14 21:49 - Pierre-Louis Bonicoli

- Description updated

#4 - 2018-03-14 21:55 - Pierre-Louis Bonicoli

- Description updated

#5 - 2018-03-14 21:57 - Pierre-Louis Bonicoli

- Description updated

#6 - 2018-04-17 01:13 - Pierre-Louis Bonicoli

/dev/sdb has been discarded. Two other disks (one 146Go and one 300Go) were flagged faulty by HP ProLiant P410/P410i controller.

#7 - 2018-05-10 11:57 - Marc Dequènes

- Category set to System :: Hardware

#8 - 2018-08-26 01:34 - Pierre-Louis Bonicoli

All old SAS disks have been discarded. Three 1To WD Red disks have been installed.

```
# smartctl -i -d cciss,0 /dev/sg0
smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-8-amd64] (local build)
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```

=== START OF INFORMATION SECTION ===

```
Model Family:      Western Digital Red
Device Model:      WDC WD10JFCX-68N6GN0
Serial Number:     WD-WXF1A973NDC9
LU WWN Device Id: 5 0014ee 059c33dcf
Firmware Version: 82.00A82
User Capacity:     1,000,204,886,016 bytes [1.00 TB]
Sector Sizes:     512 bytes logical, 4096 bytes physical
Rotation Rate:    5400 rpm
Device is:         In smartctl database [for details use: -P show]
ATA Version is:   ACS-2 (minor revision not indicated)
SATA Version is:  SATA 3.0, 6.0 Gb/s (current: 3.0 Gb/s)
Local Time is:    Sun Aug 26 01:25:32 2018 CEST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled
```

```
# smartctl -i -d cciss,1 /dev/sg0
smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-8-amd64] (local build)
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```

=== START OF INFORMATION SECTION ===

```
Model Family:      Western Digital Red
Device Model:      WDC WD10JFCX-68N6GN0
Serial Number:     WD-WXC1A87R48JF
LU WWN Device Id: 5 0014ee 6080a5479
Firmware Version: 82.00A82
User Capacity:     1,000,204,886,016 bytes [1.00 TB]
Sector Sizes:     512 bytes logical, 4096 bytes physical
Rotation Rate:    5400 rpm
Device is:         In smartctl database [for details use: -P show]
ATA Version is:   ACS-2 (minor revision not indicated)
SATA Version is:  SATA 3.0, 6.0 Gb/s (current: 3.0 Gb/s)
Local Time is:    Sun Aug 26 01:26:02 2018 CEST
SMART support is: Available - device has SMART capability.
```

SMART support is: Enabled

```
# smartctl -i -d cciss,2 /dev/sg0
smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.9.0-8-amd64] (local build)
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```

```
=== START OF INFORMATION SECTION ===
Model Family:      Western Digital Red
Device Model:      WDC WD10JFCX-68N6GN0
Serial Number:     WD-WXC1A87R44TX
LU WWN Device Id: 5 0014ee 65d5fa17c
Firmware Version: 82.00A82
User Capacity:     1,000,204,886,016 bytes [1.00 TB]
Sector Sizes:     512 bytes logical, 4096 bytes physical
Rotation Rate:    5400 rpm
Device is:         In smartctl database [for details use: -P show]
ATA Version is:   ACS-2 (minor revision not indicated)
SATA Version is:  SATA 3.0, 6.0 Gb/s (current: 3.0 Gb/s)
Local Time is:    Sun Aug 26 01:26:22 2018 CEST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled
```

For each WD Red disk:

- badblocks has been run without any error
- SMART is enabled

```
root@Toushirou:~# hdparm -Tt /dev/sda
/dev/sda:
Timing cached reads:   9860 MB in  1.99 seconds = 4945.57 MB/sec
Timing buffered disk reads: 344 MB in  3.01 seconds = 114.27 MB/sec
```

```
root@Toushirou:~# hdparm -Tt /dev/sda
/dev/sda:
Timing cached reads:   9812 MB in  1.99 seconds = 4921.52 MB/sec
Timing buffered disk reads: ^[[A344 MB in  3.01 seconds = 114.28 MB/sec
```

```
root@Toushirou:~# hdparm -Tt /dev/sdb
/dev/sdb:
Timing cached reads:   9838 MB in  1.99 seconds = 4935.03 MB/sec
Timing buffered disk reads: 350 MB in  3.01 seconds = 116.21 MB/sec
```

```
root@Toushirou:~# hdparm -Tt /dev/sdb
/dev/sdb:
Timing cached reads:   9860 MB in  1.99 seconds = 4944.88 MB/sec
Timing buffered disk reads: 350 MB in  3.01 seconds = 116.43 MB/sec
```

```
root@Toushirou:~# hdparm -Tt /dev/sdc
/dev/sdc:
Timing cached reads:   9884 MB in  1.99 seconds = 4956.29 MB/sec
Timing buffered disk reads: 352 MB in  3.00 seconds = 117.20 MB/sec
```

```
root@Toushirou:~# hdparm -Tt /dev/sdc
/dev/sdc:
Timing cached reads:   9894 MB in  1.99 seconds = 4962.37 MB/sec
Timing buffered disk reads: 354 MB in  3.02 seconds = 117.36 MB/sec
```

#9 - 2018-08-26 01:34 - Pierre-Louis Bonicoli

- *Status changed from In Progress to Resolved*

- *% Done changed from 80 to 100*