Admins - Demande #3323

Disque dur interne laptop absinthe FAILING_NOW

25/09/2018 09:45 - Frédéric Couchet

Statut:	Fermé	**Début:**	25/09/2018
Priorité:	Normale	**Echéance:**	
Assigné à:	Frédéric Couchet	**% réalisé:**	100%
Catégorie:		**Temps estimé:**	0.00 heure
Version cible:	Backlog	**Temps passé:**	0.00 heure
Difficulté:	2 Facile		

Description

Salut,

hier soir j'ai eu une alerte smartctl concernant mon disque dur.

Je vous mets ci-dessous le résultat de smartctl -a /dev/sda et un extrait inquiétant :

SMART overall-health self-assessment test result: FAILED!
Drive failure expected in less than 24 hours. SAVE ALL DATA.

233 Media_Wearout_Indicator 0x0013 001 001 001 Pre-fail Always FAILING_NOW 146800

Je vais relancer un test mais a priori ça ne sent pas bon. Même si je ne sais pas vraiment interprété le résultat de smartctl. Par sécurité je vais commander un disque.

Sur

https://serverfault.com/questions/316150/how-to-determine-number-of-write-cycles-or-expected-life-for-ssd-under-linux

```
That still doesn't guarantee when/if you'll see failures or
   errors. Drive could fail tomorrow, could fail in three years.
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voir aussi

https://www.thomas-krenn.com/en/wiki/SMART_attributes_of_Intel_SSDs

Selon smartctl mon disque est SATA Version is: SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
C'est un 250 Go, je prendrais bien une capacité un peu supérieure (je suis à 90% d'utilisation disque).

LDLC propose https://www.ldlc.com/informatique/pieces-informatique/disque-ssd/c4698/+fv63-10416+fv32-10948.html

Des conseils/suggestions par rapport à la liste LDLC ?

Un changement de disque M.2 est facile à faire ? Il faut un outillage spécifique ?

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1. smartctl -a /dev/sda

smartctl 6.6 2016-05-31 r4324 [x86_64-linux-4.17.0-3-amd64] (local build)
Copyright (C) 2002-16, Bruce Allen, Christian Franke, www.smartmontools.org

=== START OF INFORMATION SECTION ===
Device Model: SAMSUNG MZNTY256HDHP-000L7
Serial Number: S305NYAH634440
LU WWN Device Id: 5 002538 d00000000
Firmware Version: MAT23L6Q
User Capacity: 256 060 514 304 bytes [256 GB]

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Sector Size:      512 bytes logical/physical
Rotation Rate:    Solid State Device
Form Factor:      M.2
Device is:        Not in smartctl database [for details use: -P showall]
ATA Version is:   ACS-2, ATA8-ACS T13/1699-D revision 4c
SATA Version is:  SATA 3.1, 6.0 Gb/s (current: 6.0 Gb/s)
Local Time is:    Tue Sep 25 09:38:24 2018 CEST
SMART support is: Available - device has SMART capability.
SMART support is: Enabled

=== START OF READ SMART DATA SECTION ===
SMART overall-health self-assessment test result: FAILED!
Drive failure expected in less than 24 hours. SAVE ALL DATA.
See vendor-specific Attribute list for failed Attributes.

General SMART Values:
Offline data collection status:  (0x00)    Offline data collection activity
was never started.
Auto Offline Data Collection: Disabled.
Self-test execution status:      (  72)    The previous self-test completed having
a test element that failed and the test
element that failed is not known.
Total time to complete Offline
data collection:         (    0) seconds.
Offline data collection
capabilities:            (0x53) SMART execute Offline immediate.
Auto Offline data collection on/off support.
Suspend Offline collection upon new
command.
No Offline surface scan supported.
Self-test supported.
No Conveyance Self-test supported.
Selective Self-test supported.
SMART capabilities:            (0x0003)    Saves SMART data before entering
power-saving mode.
Supports SMART auto save timer.
Error logging capability:        (0x01)    Error logging supported.
General Purpose Logging supported.
Short self-test routine
recommended polling time:      (   2) minutes.
Extended self-test routine
recommended polling time:      (  85) minutes.
SCT capabilities:              (0x003d)    SCT Status supported.
SCT Error Recovery Control supported.
SCT Feature Control supported.
SCT Data Table supported.

SMART Attributes Data Structure revision number: 1
Vendor Specific SMART Attributes with Thresholds:
ID# ATTRIBUTE_NAME          FLAG     VALUE WORST THRESH TYPE      UPDATED  WHEN_FAILED RAW_VALUE
  5 Reallocated_Sector_Ct   0x0033   100   100   010    Pre-fail  Always       -       0
  9 Power_On_Hours          0x0032   097   097   000    Old_age   Always       -       10171
 12 Power_Cycle_Count       0x0032   098   098   000    Old_age   Always       -       1406
170 Unknown_Attribute       0x0032   100   100   010    Old_age   Always       -       0
171 Unknown_Attribute       0x0032   100   100   010    Old_age   Always       -       0
172 Unknown_Attribute       0x0032   100   100   010    Old_age   Always       -       0
173 Unknown_Attribute       0x0033   006   006   005    Pre-fail  Always       -       793
174 Unknown_Attribute       0x0032   099   099   000    Old_age   Always       -       62
178 Used_Rsvd_Blk_Cnt_Chip  0x0013   100   100   010    Pre-fail  Always       -       0
180 Unused_Rsvd_Blk_Cnt_Tot 0x0013   100   100   010    Pre-fail  Always       -       1863
184 End-to-End_Error        0x0033   100   100   097    Pre-fail  Always       -       0
187 Reported_Uncorrect      0x0032   100   100   000    Old_age   Always       -       0
194 Temperature_Celsius     0x0032   063   038   000    Old_age   Always       -       37 (Min/Max 0/62)
199 UDMA_CRC_Error_Count    0x003e   100   100   000    Old_age   Always       -       0
233 Media_Wearout_Indicator 0x0013   001   001   001    Pre-fail  Always   FAILING_NOW 146800
241 Total_LBAs_Written      0x0032   099   099   000    Old_age   Always       -       25927
242 Total_LBAs_Read         0x0032   099   099   000    Old_age   Always       -       38221
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249 Unknown_Attribute       0x0032   099   099   000    Old_age   Always       -       203184

SMART Error Log Version: 1
No Errors Logged

SMART Self-test log structure revision number 1
Num  Test_Description    Status                  Remaining  LifeTime(hours)  LBA_of_first_error

   1. 1  Short offline       Completed: unknown failure    80%     10171         0
   2. 2  Short offline       Completed without error       00%         0         -

SMART Selective self-test log data structure revision number 1
SPAN  MIN_LBA  MAX_LBA  CURRENT_TEST_STATUS
1        0        0  Not_testing
2        0        0  Not_testing
3        0        0  Not_testing
4        0        0  Not_testing
5        0        0  Not_testing
255      0    65535  Read_scanning was never started
Selective self-test flags (0x0):
After scanning selected spans, do NOT read-scan remainder of disk.
If Selective self-test is pending on power-up, resume after 0 minute delay.
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Historique

#1 - 25/09/2018 10:24 - Frédéric Couchet

Commande du disque Samsung SSD 860 EVO 500 Go M.2 https://www.ldlc-pro.com/fiche/PB00243256.html effectuée, livraison mercredi.

#2 - 03/10/2018 15:10 - Frédéric Couchet

- Statut changé de Nouveau à Fermé

- % réalisé changé de 0 à 100

Disque reçu, transféré sur laptop, réinstallation d'une Debian Buster faite, wiki mis à jour.

#3 - 26/12/2020 02:21 - Christian P. Momon

- Assigné à mis à Frédéric Couchet