openQA Tests - action #31654

[qam] [ppc64le] ltp_fs_readonly and ltp_fs_ext4

2018-02-12 13:56 - osukup

Status:	Closed		**Start date:**	2018-02-12
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Bugs in existing tests		**Estimated time:**	0.00 hour
Target version:				
Difficulty:				

Description

swapped system and test device causes breakage of this two ltp tests on ppc64le SLE12SP3

```
Welcome to SUSE Linux Enterprise Server 12 SP3  (ppc64le) - Kernel 4.4.103-6.38-default (hvc1).
suse-test login: root
Password:
Last login: Fri Jan 26 06:33:49 on hvc1
[1msuse-test:~ #[m(B PS1="# "
# export TERM=dumb; stty cols 2048 ; echo NtGTe-$?-
NtGTe-0-
# echo Logged into $(tty) ; echo dohaM-$?-
Logged into /dev/hvc1
dohaM-0-
# dmesg --console-level 7 ; echo ccNyO-$?-
ccNyO-0-
# export LTPROOT=/opt/ltp; export LTP_COLORIZE_OUTPUT=n TMPDIR=/tmp PATH=$LTPROOT/testcases/bin:$P
ATH ; echo v9535-$?-
v9535-0-
# export PASSWD='nots3cr3t' ; echo NJML2-$?-
NJML2-0-
# lsblk -la; export LTP_BIG_DEV=/dev/vdb ; echo UNCHa-$?-
NAME MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sr0   11:0    1  3.4G  0 rom
vda  254:0    0    6G  0 disk
vdb  254:16   0   20G  0 disk
vdb1 254:17   0    7M  0 part
vdb2 254:18   0    2G  0 part [SWAP]
vdb3 254:19   0   18G  0 part /
UNCHa-0-
# uname -v| grep '/kGraft-' ; echo WuZtU-$?-
#1 SMP Mon Dec 25 20:44:33 UTC 2017 (e4b9067/kGraft-90f211a)
WuZtU-0-
# env ; echo Z285j-$?-
```

History

#1 - 2018-02-13 11:47 - rpalethorpe

AFAICT OpenQA passes the devices on the QEMU command line in order, so either QEMU or the kernel (udev?) are doing something which creates a strange order. I don't think this is a product bug however we are just relying on behaviour which is not guaranteed. I think there are a few potential fixes:

1) Create a util function which uses some heuristics (e.g. unmounted, writable and larger than 1 GB) to select a suitable drive. This might be a problem on bare metal, but is quite safe in VMs.
2) Set and/or use the drive serial number to identify the drive. On bare metal this would require a worker specific variable.
3) Poke around in QEMU and the Kernel to find some other solution.

#2 - 2018-02-22 20:28 - okurz

- Category set to Bugs in existing tests

#3 - 2018-03-02 14:21 - osukup

Hm, seems Worker dependent

on QA-Power8-5-kvm is order of disks swiched - https://openqa.suse.de/tests/1514744
but on powerqaworker-qam-1 is correct - https://openqa.suse.de/tests/1508732

#4 - 2018-10-12 12:31 - pcervinka

Still relevant or was is already sorted out?

#5 - 2019-05-28 10:28 - vpelcak

- Status changed from New to Closed

Not relevant anymore.