

openQA Project - action #91971

crosscheck if testapi::eject_cd actually works

2021-04-29 20:48 - okurz

Status:	Resolved	Start date:	2021-04-29
Priority:	Normal	Due date:	2021-05-15
Assignee:	mkittler	% Done:	0%
Category:	Concrete Bugs	Estimated time:	0.00 hour
Target version:	Ready		
Difficulty:			
Description			
Motivation			
Some people have reported that eject_cd does not work. I could imagine that when richiejp rewrote the qemu backend this broke as a backing file for each cd is created as well for a reason which I also don't know			
Acceptance criteria			
<ul style="list-style-type: none">• AC1: test API call eject_cd works as one would expect			
Suggestions			
<ul style="list-style-type: none">• Reproduce a case, maybe try eject_cd directly in the os-autoinst fullstack tests• maybe we don't even need to create a backing file for ISO files? If not, then make sure that the backend does not do that			
Related issues:			
Related to openQA Tests - action #47303: [aarch64] 'eject_cd' does not work		Resolved	2019-02-08

History

#1 - 2021-04-30 11:49 - mkittler

- Status changed from Workable to In Progress

- Assignee set to mkittler

#2 - 2021-04-30 12:01 - mkittler

I tried this on a live test by sending {"cmd":"backend_eject_cd"} via the developer console. It didn't work because there's no cd0 device: {"ret":{"error":{"class":"DeviceNotFound","desc":"Device 'cd0' not found"}}}. I guess I'll have to find a scenario where we actually have cd0. The device actually exists, see further comments. However, it isn't clear with which name one needs to refer to it.

#3 - 2021-04-30 12:39 - mkittler

I've tried scsi-cd, cd0-device and cd0-overlay0 instead as device but only get the same error message (just with the different device). Not sure what I would have to pass here.

The QEMU invocation is:

```
/usr/bin/qemu-system-x86_64 -only-migratable -chardev ringbuf,id=serial0,logfile=serial0,logappend=on -serial chardev:serial0 -audiodev none,id=snd0 -device intel-hda -device hda-output,audiodev=snd0 -global isa-fdc.fdtcypeA=none -m 2048 -cpu qemu64 -netdev user,id=qanet0 -device virtio-net,netdev=qanet0,mac=52:54:00:12:34:56 -boot once=d -device usb-ehci -device usb-tablet -smp 1 -enable-kvm -no-shutdown -vnc :91,share=force-shared -device virtio-serial -chardev pipe,id=virtio_console,path=virtio_console,logfile=virtio_console.log,logappend=on -device virtconsole,chardev=virtio_console,name=org.openqa.console.virtio_console -chardev socket,path=qmp_socket,server,nowait,id=qmp_socket,logfile=qmp_socket.log,logappend=on -qmp chardev:qmp_socket -S -device virtio-scsi-pci,id=scsi0 -blockdev driver=file,node-name=hd0-file,filename=/hdd/openqa-devel/openqa/pool/1/raid/hd0,cache.no-flush=on -blockdev driver=qcow2,node-name=hd0,file=hd0-file,cache.no-flush=on -device virtio-blk,id=hd0-device,drive=hd0,serial=hd0 -blockdev driver=file,node-name=cd0-overlay0-file,filename=/hdd/openqa-devel/openqa/pool/1/raid/cd0-overlay0,cache.no-flush=on -blockdev driver=qcow2,node-name=cd0-overlay0,file=cd0-overlay0-file,cache.no-flush=on -device scsi-cd,id=cd0-device,drive=cd0-overlay0,serial=cd0
```

Btw, I'm using the following change to make the device configurable: <https://github.com/Martchus/os-autoinst/pull/new/eject-device>

#4 - 2021-04-30 15:11 - mkittler

When using the QMP command [query-block](#) I get:

```
{
  "ret" : {
    "return" : [
      {
        "device" : "sd0",
        "locked" : false,
        "removable" : true,
        "type" : "unknown"
      },
      {
        "device" : "",
        "inserted" : {
          "backing_file_depth" : 0,
          "bps" : 0,
          "bps_rd" : 0,
          "bps_wr" : 0,
          "cache" : {
            "direct" : false,
            "no-flush" : true,
            "writeback" : true
          },
          "detect_zeroes" : "off",
          "drv" : "qcow2",
          "encrypted" : false,
          "encryption_key_missing" : false,
          "file" : "/hdd/openqa-devel/openqa/pool/1/raid/hd0",
          "image" : {
            "actual-size" : 200704,
            "cluster-size" : 65536,
            "dirty-flag" : false,
            "filename" : "/hdd/openqa-devel/openqa/pool/1/raid/hd0",
            "format" : "qcow2",
            "format-specific" : {
              "data" : {
                "compat" : "1.1",
                "compression-type" : "zlib",
                "corrupt" : false,
                "extended-l2" : false,
                "lazy-refcounts" : false,
                "refcount-bits" : 16
              },
              "type" : "qcow2"
            },
            "virtual-size" : 21474836480
          },
          "iops" : 0,
          "iops_rd" : 0,
          "iops_wr" : 0,
          "node-name" : "hd0",
          "ro" : false,
          "write_threshold" : 0
        },
        "io-status" : "ok",
        "locked" : false,
        "qdev" : "/machine/peripheral/hd0-device/virtio-backend",
        "removable" : false,
        "type" : "unknown"
      },
      {
        "device" : "",
        "inserted" : {
          "backing_file" : "/hdd/openqa-devel/openqa/share/factory/iso/openSUSE-Tumbleweed-KDE-Live-x86_64-Snapshot20210428-Media.iso",
          "backing_file_depth" : 1,
          "bps" : 0,
          "bps_rd" : 0,
          "bps_wr" : 0,
          "cache" : {
            "direct" : false,
            "no-flush" : true,
            "writeback" : true
          },
          "detect_zeroes" : "off",
```

```

    "drv" : "qcow2",
    "encrypted" : false,
    "encryption_key_missing" : false,
    "file" : "/hdd/openqa-devel/openqa/pool/1/raid/cd0-overlay0",
    "image" : {
      "actual-size" : 200704,
      "backing-filename" : "/hdd/openqa-devel/openqa/share/factory/iso/openSUSE-Tumbleweed-KDE-Liv
e-x86_64-Snapshot20210428-Media.iso",
      "backing-image" : {
        "actual-size" : 987435008,
        "dirty-flag" : false,
        "filename" : "/hdd/openqa-devel/openqa/share/factory/iso/openSUSE-Tumbleweed-KDE-Live-x86
_64-Snapshot20210428-Media.iso",
        "format" : "raw",
        "virtual-size" : 987430912
      },
      "cluster-size" : 65536,
      "dirty-flag" : false,
      "filename" : "/hdd/openqa-devel/openqa/pool/1/raid/cd0-overlay0",
      "format" : "qcow2",
      "format-specific" : {
        "data" : {
          "compat" : "1.1",
          "compression-type" : "zlib",
          "corrupt" : false,
          "extended-l2" : false,
          "lazy-refcounts" : false,
          "refcount-bits" : 16
        },
        "type" : "qcow2"
      },
      "full-backing-filename" : "/hdd/openqa-devel/openqa/share/factory/iso/openSUSE-Tumbleweed-KD
E-Live-x86_64-Snapshot20210428-Media.iso",
      "virtual-size" : 987430912
    },
    "iops" : 0,
    "iops_rd" : 0,
    "iops_wr" : 0,
    "node-name" : "cd0-overlay0",
    "ro" : false,
    "write_threshold" : 0
  },
  "io-status" : "ok",
  "locked" : true,
  "qdev" : "cd0-device",
  "removable" : true,
  "tray_open" : false,
  "ttype" : "unknown"
}
]
}
}
}

```

Maybe the problem is "device" : "", which shouldn't be empty.

#5 - 2021-05-01 04:11 - openqa_review

- Due date set to 2021-05-15

Setting due date based on mean cycle time of SUSE QE Tools

#6 - 2021-05-03 10:18 - mkittler

One needs to use the id parameter, PR: <https://github.com/os-autoinst/os-autoinst/pull/1663>

#7 - 2021-05-04 08:23 - mkittler

- Related to action #47303: [aarch64] 'eject_cd' does not work added

#8 - 2021-05-04 08:27 - mkittler

The PR has been merged. It looks like no test in production uses eject_cd at the moment. I'll try to remove the workaround in bootloader_ufefi.pm (introduced in [#47303](#)).

#9 - 2021-05-04 09:24 - mkittler

- Status changed from In Progress to Resolved

I couldn't find any recent scenarios which runs bootloader_uefi.pm with the relevant job settings which is not broken otherwise. I've searched on OSD and o3 with various SQL queries but found nothing. So it looks like the workaround is currently dead code. Since the function is not used in production I'm resolving the ticket anyways.

By the way, I've seen <https://bugs.launchpad.net/qemu/+bug/1815445>. This ticket has expired but I suppose the resolution is actually my PR so I'll tell @ggardet_arm. Maybe he's still interested in this.