openQA Project - action #58823

os-autoinst is too slow pressing F2 causing ARM tests to fail in "boot_to_desktop"

2019-10-29 13:43 - mkittler

Status:	Rejected		**Start date:**	2019-10-29
Priority:	Normal		**Due date:**	
Assignee:	okurz		**% Done:**	0%
Category:	Concrete Bugs		**Estimated time:**	0.00 hour
Target version:	Ready			
Difficulty:	hard			

Description

In "boot_to_desktop" on ARM the test spams F2s on boot to enter some boot menu:

```
sub tianocore_enter_menu {
    # we need to reduce this waiting time as much as possible
    while (!check_screen('tianocore-mainmenu', 0, no_wait => 1)) {
        send_key 'f2';
        sleep 0.1;
    }
}
```

(from bootloader_setup.pm in the opensuse test distribution)

Since the last deployment this is now too slow so the menu isn't entered:

- Last good: https://openqa.suse.de/tests/3507012
- First bad: https://openqa.suse.de/tests/3538523

It seems to fail consistently since the first bad run. We've been debugging on openqaworker-arm-2 so some of the subsequent results just failed because of the debugging.

strace shows that some IPC writes from isotovideo are quite slow:

```
[pid 29156] write(4, "{\"json_cmd_token\":\"VEowjWrX\",\"ret\":{\"failed_screens\":[{\"candidates\
":[{\"area\":[{\"h\":56,\"result\":\"fail\",\"similarity\":0,\"w\":210,\"x\":804,\"y\":600}],\"err
or\":1.0,\"needle\":{\"area\":[{\"height\":56,\"margin\":50,\"t"..., 6457775 <unfinished ...>
```

This slowliness is also visible in the os-autoinst log (compare the last good run the bad run).

We reverted https://github.com/os-autoinst/os-autoinst/commit/ec50b8785ff35be3c76f5323708a34ad64fd3d0e on openqaworker-arm-2 and the problem was gone: https://openqa.suse.de/tests/3538730

So something in that change causes a slowdown in the command processing.

Related issues:

Related to openQA Infrastructure - action #58727: openqa-aarch64 from o3 slow...	**Resolved**	**2019-10-28**

History

#1 - 2019-10-29 13:45 - mkittler

- Description updated

The strace line

```
[pid 30708] write(2, "[2019-10-29T13:07:31.347 UTC] [debug] Backend process died, backend errors are reported
below in the following lines:\nsyswrite failed  at /usr/lib/os-autoinst/myjsonrpc.pm line 54.\n\tmyjsonrpc::se
nd_js"..., 1875) = 1875
```

is likely irrelevant because it just the usual error one gets when the backend process dies.

#2 - 2019-10-29 15:56 - okurz

- Related to action #58727: openqa-aarch64 from o3 slower than usual aka. os-autoinst is too slow pressing F2 causing ARM tests to fail in

"boot_to_desktop" added

#3 - 2019-10-30 14:45 - okurz

- Status changed from New to Rejected

- Assignee set to okurz

This turned out to be just the same as [#58727](#)