

openQA Project - action #75019

s390 job via ppc64le worker incompletes on failure to connect to VNC due to "Use of uninitialized value \$_[2] in substr at /usr/lib/perl5/5.26.1/ppc64le-linux-thread-multi/IO/Handle.pm"

2020-10-21 10:14 - nicksinger

Status:	New	Start date:	2020-10-21
Priority:	Low	Due date:	
Assignee:		% Done:	0%
Category:	Feature requests	Estimated time:	0.00 hour
Target version:	future		
Difficulty:			
Description			
<p>https://openqa.suse.de/tests/4853225 shows an interesting error after the VNC connection failed. I think the VNC connection issue is not the root cause of this issue and is handled in different tickets (e.g. https://progress.opensuse.org/issues/71236). However, it seems like os-autoinst crashes on tearing down the connection. Here's the interesting part of autoinst.log. So first you see the connection errors:</p>			
<pre>[2020-10-20T15:28:10.878 CEST] [debug] WARNING: check_asserted_screen took 12.61 seconds for 122 candidate needles - make your needles more specific [2020-10-20T15:28:10.878 CEST] [debug] no match: 30.4s, best candidate: import-untrusted-gpg-key-S ES6-bscl23456-20180921 (0.00) [2020-10-20T15:28:10.881 CEST] [debug] considering VNC stalled, no update for 16.16 seconds [2020-10-20T15:28:12.884 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:13.885 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:14.886 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:15.887 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:16.888 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:17.889 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:18.890 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:19.891 CEST] [debug] Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:20.893 CEST] [debug] Backend process died, backend errors are reported below in the following lines: Error connecting to VNC server <10.161.145.85:5901>: IO::Socket::INET: connect: Connection refused [2020-10-20T15:28:20.894 CEST] [debug] Closing SSH serial connection with s390zp18.suse.de [2020-10-20T15:28:20.894 CEST] [debug] Destroying openQA-SUT-6 virtual machine [2020-10-20T15:28:20.895 CEST] [debug] <<< backend::baseclass::run_ssh_cmd(cmd="virsh destroy openQA-SUT-6", wantarray=0, keep_open=1) [2020-10-20T15:28:20.895 CEST] [debug] <<< backend::baseclass::run_ssh(cmd="virsh destroy openQA-SUT-6", wantarray=0, keep_open=1) [2020-10-20T15:28:20.895 CEST] [debug] <<< backend::baseclass::new_ssh_connection(blocking=1, wantarray=0, keep_open=1) [2020-10-20T15:28:21.605 CEST] [debug] [run_ssh_cmd(virsh destroy openQA-SUT-6)] stdout: Domain openQA-SUT-6 destroyed [2020-10-20T15:28:21.605 CEST] [debug] [run_ssh_cmd(virsh destroy openQA-SUT-6)] exit-code: 0 [2020-10-20T15:28:21.605 CEST] [debug] <<< backend::baseclass::run_ssh_cmd(cmd="virsh undefine --snapshots-metadata openQA-SUT-6", keep_open=1, wantarray=0) [2020-10-20T15:28:21.605 CEST] [debug] <<< backend::baseclass::run_ssh(cmd="virsh undefine --snapshots-metadata openQA-SUT-6", keep_open=1, wantarray=0) [2020-10-20T15:28:21.605 CEST] [debug] <<< backend::baseclass::new_ssh_connection(keep_open=1, wantarray=0, blocking=1) [2020-10-20T15:28:21.642 CEST] [debug] [run_ssh_cmd(virsh undefine --snapshots-metadata openQA-SUT</pre>			

-6)] stdout:

Domain openQA-SUT-6 has been undefined

```
[2020-10-20T15:28:21.642 CEST] [debug] [run_ssh_cmd(virsh undefine --snapshots-metadata openQA-SUT-6)] exit-code: 0
[2020-10-20T15:28:21.642 CEST] [debug] Passing remaining frames to the video encoder
[2020-10-20T15:28:21.644 CEST] [debug] Waiting for video encoder to finalize the video
[2020-10-20T15:28:21.644 CEST] [debug] The built-in video encoder (pid 302770) terminated
```

but then the part where I think stuff goes wrong:

```
[2020-10-20T15:28:21.644 CEST] [debug] SSH disconnect hostname=s390zp18.suse.de,username=root
[2020-10-20T15:28:21.644 CEST] [debug] sending magic and exit
[2020-10-20T15:28:21.644 CEST] [debug] received magic close
[2020-10-20T15:28:21.645 CEST] [debug] backend got TERM
[2020-10-20T15:28:21.645 CEST] [debug] sending magic and exit
[2020-10-20T15:28:21.645 CEST] [debug] capture loop failed myjsonrpc: remote end terminated connection, stopping at /usr/lib/os-autoinst/myjsonrpc.pm line 57.
```

```
[2020-10-20T15:28:21.645 CEST] [debug] sending magic and exit
[2020-10-20T15:28:21.645 CEST] [debug] Backend process died, backend errors are reported below in the following lines:
myjsonrpc: remote end terminated connection, stopping at /usr/lib/os-autoinst/myjsonrpc.pm line 57
.
```

```
[2020-10-20T15:28:21.645 CEST] [debug] sending magic and exit
Use of uninitialized value $_[2] in substr at /usr/lib/perl5/5.26.1/ppc64le-linux-thread-multi/IO/Handle.pm line 475.
Use of uninitialized value $_[1] in substr at /usr/lib/perl5/5.26.1/ppc64le-linux-thread-multi/IO/Handle.pm line 475.
```

```
[2020-10-20T15:28:21.656 CEST] [debug] backend process exited: 16
XIO: fatal IO error 11 (Resource temporarily unavailable) on X server ":37887"
after 28809 requests (28809 known processed) with 0 events remaining.
xterm: fatal IO error 11 (Resource temporarily unavailable) or KillClient on X server ":37887"
[2020-10-20T15:28:21.657 CEST] [debug] Driver backend collected unknown process with pid 302792 and exit status: 1
[2020-10-20T15:28:21.658 CEST] [debug] stopping command server 302730 because test execution ended
[2020-10-20T15:28:21.658 CEST] [debug] isotovideo: informing websocket clients before stopping command server: http://127.0.0.1:20363/W2xIVjJl0TuKdPpA/broadcast
[2020-10-20T15:28:21.658 CEST] [debug] Driver backend collected unknown process with pid 302796 and exit status: 0
[2020-10-20T15:28:21.658 CEST] [debug] Driver backend collected unknown process with pid 302794 and exit status: 84
[2020-10-20T15:28:21.662 CEST] [debug] Driver backend collected unknown process with pid 302772 and exit status: 0
[2020-10-20T15:28:21.670 CEST] [debug] commands process exited: 0
[2020-10-20T15:28:21.770 CEST] [debug] done with command server
[2020-10-20T15:28:21.770 CEST] [debug] stopping autotest process 302738
[2020-10-20T15:28:21.770 CEST] [debug] autotest received signal TERM, saving results of current test before exiting
[2020-10-20T15:28:21.783 CEST] [debug] [autotest] process exited: 1
[2020-10-20T15:28:21.884 CEST] [debug] done with autotest process
[2020-10-20T15:28:21.884 CEST] [debug] isotovideo failed
[2020-10-20T15:28:21.884 CEST] [debug] stopping backend process 302739
[2020-10-20T15:28:21.884 CEST] [debug] done with backend process
```

Looking at the "Use of uninitialized value" we might also face an upstream bug but I'm unsure if stuff like \$_[1] indicates some wrongly passed parameters so a quick look from a skilled perl programmer who's into openQA's codebase would be highly appreciated :)

Related issues:

Related to openQA Project - action #71236: job incompletes with auto_review:"..."	Rejected	2020-09-11
Related to openQA Project - action #73525: Job incompletes with auto_review:"..."	New	2020-10-19

History

#1 - 2020-10-21 10:15 - nicksinger

- Related to action #71236: job incompletes with auto_review:"backend died: Error connecting to VNC server <openqaw5-xen.qa.suse.de:5901>: IO::Socket::INET: connect: Connection refused" added

#2 - 2020-10-22 13:36 - okurz

- Target version set to Ready

#3 - 2020-10-23 16:04 - okurz

- Related to action #73525: Job incompletes with auto_review:"backend died: unexpected end of data at /usr/lib/os-autoinst/containers/VNC.pm.**":retry added

#4 - 2020-10-23 16:08 - okurz

- Category set to Feature requests

- Priority changed from Normal to Low

- Target version changed from Ready to future

I think this is something we had in forever (hence setting "Low") and is mostly a case of "misleading error output" so I regard it as "Feature requests" category rather than a regression. Also not including in our backlog. We have plans for tickets in related areas which might improve the behaviour indirectly anyway.