

openQA Project - action #45863

[s390x][svirt][ltp] Fix serial terminal console implementation for svirt backend and use it's output

2019-01-09 11:19 - pvorel

Status:	Resolved	Start date:	
Priority:	Normal	Due date:	
Assignee:	pvorel	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	QE Kernel Done		
Difficulty:			
Description			
<p>#36457 implemented generic serial console for svirt backend (serial0.txt in assets). But that's not enough LTP tests s390x as tests itself still have output in bitmap (https://openqa.suse.de/tests/2336735#step/ping601/1) instead of text (https://openqa.suse.de/tests/2337315#step/ping601/6).</p> <p>The goal is to have text output in serial_terminal.txt also on svirt when using select_serial_terminal().</p>			
Related issues:			
Related to openQA Project - action #36457: Implement serial terminal console ...		Resolved	2018-05-23
Related to openQA Project - action #46967: [functional][u][tools] warning in ...		Resolved	2019-02-01
Related to openQA Project - action #49394: [s390x][svirt] Print content of ke...		New	2019-03-15
Related to openQA Project - action #49547: [virtualization][svirt] Refactor h...		New	2019-03-21
Related to openQA Tests - action #50945: [tools][svirt] Svirt serial backend ...		Resolved	2019-04-30

History

#1 - 2019-01-09 11:20 - pvorel

- Related to action #36457: Implement serial terminal console for svirt backend added

#2 - 2019-02-04 14:09 - pvorel

- Status changed from New to In Progress

WIP, adding new serial console for svirt backend (not only s390x).

#3 - 2019-02-07 16:01 - pvorel

Virtio terminal (consoles::virtio_terminal) uses unix socket as file handle.

Serial console for svirt (consoles::sshVirtshSUT) implementation, which connects over SSH (with Net::SSH2) provides network socket IO::Socket::IP, which cannot used the same way as unix socket :). This part needs to be rewritten.

#4 - 2019-02-20 07:09 - pvorel

Created 2 PR:

<https://github.com/os-autoinst/os-autoinst/pull/1109>

<https://github.com/os-autoinst/os-autoinst-distrib-opensuse/pull/6841>

But still the main thing (support for network sockets in consoles::virtio_screen) I haven't implemented yet.

#5 - 2019-02-27 22:52 - pvorel

PoC of my special test:

<http://quasar.suse.cz/tests/1892#downloads>

http://quasar.suse.cz/tests/1892/file/serial_terminal.txt

Testing also real test (install_ltp):

<http://quasar.suse.cz/tests/1896>

Original PR enhanced, needs cleanup + support of live streaming of serial_terminal.txt

<https://github.com/os-autoinst/os-autoinst/pull/1109>

Also worker required tiny change:

<https://github.com/os-autoinst/openQA/pull/2003>

Test side finished, but will need to wait for merge and deployment of other two:

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

#6 - 2019-02-27 23:05 - pvorel

- Subject changed from `[s390x][svirt][ltp] Use output of serial console on svirt to [s390x][svirt][ltp] Fix serial terminal console for svirt backend and use it's output`

#7 - 2019-02-27 23:06 - pvorel

- Subject changed from `[s390x][svirt][ltp] Fix serial terminal console for svirt backend and use it's output to [s390x][svirt][ltp] Fix serial terminal console implementation for svirt backend and use it's output`

#8 - 2019-03-07 07:03 - pvorel

- Related to action #46967: `[functional][u][tools] warning in bootloader_zkvm: Calling Net::SSH2::Channel::readline in non-blocking mode is usually a programming error added`

#9 - 2019-03-12 10:59 - pvorel

Updated PRs, waiting for feedback.

<https://github.com/os-autoinst/os-autoinst/pull/1109>

<https://github.com/os-autoinst/openQA/pull/2003>

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

Travis test is failing due download issue (see <https://api.travis-ci.org/v3/job/505131336/log.txt>):

```
Fetching http://no.where/authors/id/D/DS/DSKOLL/IO-stringy-2.111.tar.gz ... FAIL
```

#10 - 2019-03-15 17:56 - pvorel

- Related to action #49394: `[s390x][svirt] Print content of kernel log and serial console into "Serial output" field added`

#11 - 2019-03-18 09:23 - pvorel

- Status changed from *In Progress* to *Feedback*

Waiting for mnovak review and approval.

#12 - 2019-03-21 19:45 - pvorel

- Related to action #49547: `[virtualization][svirt] Refactor how svirt handles credentials for SSH added`

#13 - 2019-03-21 19:47 - pvorel

- Status changed from *Feedback* to *In Progress*

openQA PR merged.

<https://github.com/os-autoinst/openQA/pull/2003>

Test repository ready (but going to be merged once os-autoinst is deployed)

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

Still having some issues with os-autoinst, but close to have it all fixed.

<https://github.com/os-autoinst/os-autoinst/pull/1109>

I got into trap with cleaning way too much, so handling issue with Hyper-V and VMware (tests maintained by mnovak). I guess I've found problematic parts and reverted them and document them ([#49547](#)).

Now testing it + need to solve issue with `install_ltp`.

#14 - 2019-03-27 09:47 - pvorel

- Status changed from *In Progress* to *Feedback*

#15 - 2019-03-27 09:50 - pvorel

Waiting for mkittler to merge <https://github.com/os-autoinst/os-autoinst/pull/1109>

Test waits to be merged once os-autoinst is merged and deployed

<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

#16 - 2019-04-04 10:11 - pcervinka

- Blocks action #49655: [qam][sporadic][blue] test fails in evolution_prepare_servers - Race condition when typing password added

#17 - 2019-04-04 17:02 - pvorel

os-autoinst part (the biggest one, <https://github.com/os-autoinst/os-autoinst/pull/1109>) merged.

Before merging test part (<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>) waiting 1) for being deployed 2) set SERIAL_CONSOLE=0 to all but s390x svirt machines in their definitions (so it's enabled only for s390x).

#18 - 2019-04-05 08:58 - pcervinka

- Blocks deleted (action #49655: [qam][sporadic][blue] test fails in evolution_prepare_servers - Race condition when typing password)

#19 - 2019-04-30 11:55 - pvorel

- Related to action #50945: [tools][svirt] Svirt serial backend gets stalled by new lines in command passed to script_run added

#20 - 2019-05-06 08:27 - pvorel

Agreed with mnowak to wait for SLE15 SP1 GMC before merging changes in test repository (last piece)
<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

#21 - 2019-05-20 12:57 - pvorel

- Status changed from Feedback to Resolved

Test changes were finally today (after GM) merged.
<https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/6841>

#22 - 2019-05-22 09:33 - jlausuch

- Target version changed from 445 to 457

#23 - 2020-10-23 13:31 - pcervinka

- Target version changed from 457 to QE Kernel Done