

## openQA Tests - action #58664

### [kernel][wicked] Needs to improve handling of situation when tcpdump is not installed

2019-10-24 13:56 - jlausuch

<b>Status:</b>	Resolved	<b>Start date:</b>	2019-10-24
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Bugs in existing tests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	QE Kernel Done		
<b>Difficulty:</b>			
<b>Description</b>			
<b>Observation</b>			
tcpdump commands fails			
<pre># ## START: t01_gre_tunnel_legacy # tcpdump -s0 -U -w /tmp/tcpdumt01_gre_tunnel_legacy.pcap &gt;&amp; /dev/null &amp; export CHECK_TCPDUMP_PID =#!; echo ZUt9d-\$?- [1] 4252 ZUt9d-0- [1]+  Exit 127          tcpdump -s0 -U -w /tmp/tcpdumt01_gre_tunnel_legacy.pcap &gt;&amp; /dev/nul l</pre>			
<a href="https://openqa.suse.de/tests/3518286#step/t01_gre_tunnel_legacy/89">https://openqa.suse.de/tests/3518286#step/t01_gre_tunnel_legacy/89</a>			
<b>Test suite description</b>			
Maintainer: <a href="mailto:asmorodskyi@suse.de">asmorodskyi@suse.de</a> <a href="mailto:jlausuch@suse.com">jlausuch@suse.com</a> <a href="mailto:cfamulla@conrad.suse.de">cfamulla@conrad.suse.de</a>			
<b>Reproducible</b>			
Fails since (at least) Build <a href="#">20191022</a>			
<b>Expected result</b>			
Last good: None in QAM jobs, but it works on QA jobs. Example of expected result: <a href="https://openqa.suse.de/tests/3507684">https://openqa.suse.de/tests/3507684</a>			
<b>Further details</b>			

## History

### #1 - 2019-10-24 14:02 - asmorodskyi

- Subject changed from [kernel][wicked] Bug when running tcpdump command to [kernel][wicked] Needs to improve handling of situation when tcpdump is not installed

### #2 - 2019-10-24 14:07 - asmorodskyi

127 - is actually "command not found" . which means behavior in this certain job is about when there is no tcpdump executable in system . As for me looks as expected behavior . To make it "perfect" I would probably change current flow to :

1. detect in before\_test if tcpdump is installed
2. in case it is not :
  - show single "red square" in before\_test notifying that there is no tcpdump so there will be no dumps
  - set some global variable making tcpdump related logic just to be skipped during pre\_ / post\_ run logic execution

### #3 - 2019-10-24 14:29 - okurz

please reserve red squares for actual failed expectations which need human intervention to prevent it in the future. A single red square is of course a minor issue compared to a failing job however it is still something that should be eventually fixed and prevented.

**#4 - 2019-10-24 14:52 - jlausuch**

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

- Target version changed from 454 to 445

**#5 - 2019-10-24 14:57 - jlausuch**

asmorodskyi wrote:

127 - is actually "command not found".

Indeed

1. detect in `before_test` if `tcpdump` is installed
2. in case it is not :
  - show single "red square" in `before_test` notifying that there is no `tcpdump` so there will be no dumps
  - set some global variable making `tcpdump` related logic just to be skipped during `pre_ / post_ run` logic execution

I would not over-complicate things. We have a list of packages to install, I just added `tcpdump`. If it's installed, nothing will happen. If it's not, it will be installed.

Please review <https://github.com/os-autoinst/os-autoinst-distri-opensuse/pull/8776>

**#6 - 2019-10-24 15:44 - asmorodskyi**

okurz wrote:

please reserve red squares for actual failed expectations which need human intervention to prevent it in the future. A single red square is of course a minor issue compared to a failing job however it is still something that should be eventually fixed and prevented.

sorry but I fail to understand what you actually suggesting to do in case there is no `tcpdump` installed . Fail whole job ? Just ignore it totally by not producing even red square ?

**#7 - 2019-10-24 20:30 - jlausuch**

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

**#8 - 2019-10-26 11:01 - okurz**

asmorodskyi wrote:

I fail to understand what you actually suggesting to do in case there is no `tcpdump` installed . Fail whole job ? Just ignore it totally by not producing even red square ?

Fail whole job as the first and easy step. Next step is to fix the failure, e.g. by ensuring `tcpdump` is installed – as `jlausuch` does, alternatively by an approach as you suggested. This certainly depends if you want to test if `tcpdump` is preinstalled. I would assume that for the scope of QA Kernel & Network team you shouldn't care about that and just ensure `tcpdump` is installed before use, e.g. `command -v tcpdump || zypper -n in tcpdump`

**#9 - 2019-10-26 20:27 - asmorodskyi**

okurz wrote:

asmorodskyi wrote:

I fail to understand what you actually suggesting to do in case there is no `tcpdump` installed . Fail whole job ? Just ignore it totally by not producing even red square ?

Fail whole job as the first and easy step. Next step is to fix the failure, e.g. by ensuring `tcpdump` is installed – as `jlausuch` does, alternatively by an approach as you suggested. This certainly depends if you want to test if `tcpdump` is preinstalled. I would assume that for the scope of QA Kernel & Network team you shouldn't care about that and just ensure `tcpdump` is installed before use, e.g. `command -v tcpdump || zypper -n in tcpdump`

disagree . wicked test case suppose to get failed state only if there is problem with wicked . As you can see from job which was reason of this ticket even when there is no `tcpdump` at all we have fully functional test case giving sane status about feature , why I should drop this behavior ?

**#10 - 2019-10-28 10:05 - jlausuch**

- Status changed from *Feedback* to *Resolved*

If we see those red squares giving error because the package is not installed, it's worth to fix it (with low-mid prio) as we did, but in this case we shouldn't mark the test as failed. Tcpdump is just an addition to provide more logs for further troubleshooting, but not mandatory feature from the wicked functional point of view.

Anyway, we will need to deal with this again (not only for tcpdump) when we get rid of before\_test and move everything to autoyast profile.

I provided a quick fix and now everything is green.

<https://openqa.suse.de/tests/3535309#>

**#11 - 2019-11-08 14:18 - jlausuch**

- Target version changed from 445 to 457

**#12 - 2020-10-23 13:41 - pcervinka**

- Target version changed from 457 to QE Kernel Done