

Cellular Network Infrastructure - Bug #2821

osmotestvty.py fails when run with python3

01/08/2018 11:03 AM - msuraev

Status: Resolved	Start date: 01/08/2018
Priority: Normal	Due date:
Assignee: msuraev	% Done: 100%
Category:	
Target version:	
Spec Reference:	
Description	
=====	
ERROR: test_unknown_command (<i>main.TestVTY</i>)	

Traceback (most recent call last):	
File "/home/max/source/gsm/osmo-python-tests/scripts/osmotestvty.py", line 62, in test_unknown_command	
assert(self.vty.verify(test_str, ['% Unknown command.']))	
File "/home/max/source/gsm/osmo-python-tests/osmopy/obscvty.py", line 245, in verify	
res = self.command(command, close).split('\r\n')	
File "/home/max/source/gsm/osmo-python-tests/osmopy/obscvty.py", line 223, in command	
return self._common_command(request, close)	
File "/home/max/source/gsm/osmo-python-tests/osmopy/obscvty.py", line 179, in _common_command	
self.socket.send("%s\r" % request)	
TypeError: a bytes-like object is required, not 'str'	
The error is observed with osmo-msc, osmo-bts etc.	
Related issues:	
Related to Osmocom.org Servers - Feature #2502: reproducible / automatic buil...	Resolved 09/07/2017

History

#1 - 01/08/2018 11:12 AM - msuraev

- Status changed from New to In Progress

- % Done changed from 0 to 10

Workaround is available in <https://gerrit.osmocom.org/#/c/5677/>

The proper fix would be to either migrate to python 3 only code or make it compatible with both python 2 and 3.

#2 - 01/15/2018 10:34 AM - msuraev

- % Done changed from 10 to 50

Workaround is merged, additional related fix is available in gerrit 5777.

#3 - 01/15/2018 01:26 PM - msuraev

- % Done changed from 50 to 60

Gerrit 5791 and 5793 should resolve remaining issues.

#4 - 01/16/2018 06:28 PM - msuraev

- % Done changed from 60 to 80

Fixes were merged, there's still weird issue with osmo-pcu where one of the vty tests fails in semingly random fashion. Not sure if it's related or why it's only observed with osmo-pcu jenkins tests.

#5 - 01/17/2018 02:20 PM - msuraev

The failure looks as follows:

```
test_unknown_command (__main__.TestVTY) ... ok
```

```
=====
ERROR: test_history (__main__.TestVTY)
-----
```

```
Traceback (most recent call last):
```

```
File "/usr/local/lib/python2.7/dist-packages/osmopython-0.0.9-py2.7.egg/EGG-INFO/scripts/osmotestvty.py", line 56, in test_history
```

```
File "build/bdist.linux-x86_64/egg/osmopy/obscvty.py", line 223, in command
```

```
return self._common_command(request, close)
```

```
File "build/bdist.linux-x86_64/egg/osmopy/obscvty.py", line 185, in _common_command
```

```
data = self.socket.recv(4096)
```

```
error: [Errno 104] Connection reset by peer
```

or

```
test_unknown_command (__main__.TestVTY) ... ok
```

```
=====
ERROR: test_history (__main__.TestVTY)
-----
```

```
Traceback (most recent call last):
```

```
File "/usr/local/lib/python2.7/dist-packages/osmopython-0.0.9-py2.7.egg/EGG-INFO/scripts/osmotestvty.py", line 56, in test_history
```

```
File "build/bdist.linux-x86_64/egg/osmopy/obscvty.py", line 223, in command
```

```
return self._common_command(request, close)
```

```
File "build/bdist.linux-x86_64/egg/osmopy/obscvty.py", line 188, in _common_command
```

```
raise IOError("Failed to read data (did the app crash?)")
```

```
IOError: Failed to read data (did the app crash?)
```

It could be that this is result of some sort of installation artefact from previous update. One solution we could try is to use pip for installing it instead of setup.py: the latter does not have proper uninstall command which makes much harder to ensure clean installation.

#6 - 01/17/2018 03:08 PM - msuraev

The update to containers with pip install is sent in gerrit 5852. Once it's installed inside buildslaves as well (which has to be done manually unfortunately) I'll send patch with updated osmo-python-tests installation.

#7 - 01/17/2018 03:09 PM - msuraev

- Related to Feature #2502: reproducible / automatic build slave generation added

#8 - 01/17/2018 03:44 PM - msuraev

Gerrit 5859 fixed the issue - the problem was in parallel test execution used by default in config. matrix.

#9 - 01/17/2018 04:32 PM - msuraev

- Status changed from In Progress to Resolved

- % Done changed from 80 to 100