pySim - Bug #5668

Jenkins build verification is broken: pylint crashes

08/29/2022 06:50 PM - fixeria

Status: Resolved
Priority: Normal
Assignee: fixeria
Category: Target version:
Spec Reference:

Description

None of the patches I submitted today passed Jenkins build verification:

```
+ pip install pylint
```

```
Requirement already satisfied: pylint in ./venv/lib/python3.7/site-packages (2.15.0)
Requirement already satisfied: isort<6,>=4.2.5 in ./venv/lib/python3.7/site-packages (from pylint) (5.10.1)
Requirement already satisfied: platformdirs>=2.2.0 in ./venv/lib/python3.7/site-packages (from pylint) (2.5.2)
Requirement already satisfied: dill>=0.2 in ./venv/lib/python3.7/site-packages (from pylint) (0.3.5.1)
Requirement already satisfied: tomli>=1.0 in ./venv/lib/python3.7/site-packages (from pylint) (0.3.0.1)
Requirement already satisfied: mccabe<0.8,>=0.6 in ./venv/lib/python3.7/site-packages (from pylint) (0.7.0)
Requirement already satisfied: tomlkit>=0.10.1 in ./venv/lib/python3.7/site-packages (from toml) (0.11.4)
Requirement already satisfied: astroid<=2.14.0-dev0,>=2.12.4 in ./venv/lib/python3.7/site-packages (from pylint) (2.12.5)
Requirement already satisfied: typing-extensions>=3.10.0 in ./venv/lib/python3.7/site-packages (from astroid<=2.14.0-dev0,>=2.12.4->pylint) (4.3.0)
Requirement already satisfied: typed-ast<2.0,>=1.4.0 in ./venv/lib/python3.7/site-packages (from astroid<=2.14.0-dev0,>=2.12.4->pylint) (1.5.4)
Requirement already satisfied: wrapt<2,>=1.11 in ./venv/lib/python3.7/site-packages (from astroid<=2.14.0-dev0,>=2.12.4->pylint) (1.14.1)
Requirement already satisfied: lazy-object-proxy>=1.4.0 in ./venv/lib/python3.7/site-packages (from astroid<=2.14.0-dev0,>=2.12.4->pylint) (1.7.1)
```

```
+ python -m pylint --errors-only --disable E1102 --disable E0401 --enable W0301 pySim pySim-prog.py pySim-read.py pySim-shell.py pySim-trace.py setup.py
```

```
Traceback (most recent call last):
    result = _cache[func, node]
KeyError: (<function infer_named_tuple at 0x7f3b54e39268>, <Call l.195 at 0x7f3b4f5ab5f8>)
```

```
During handling of the above exception, another exception occurred:

Traceback (most recent call last):
    return getattr(self._proxied, name)
AttributeError: 'ClassDef' object has no attribute 'value'
```
During handling of the above exception, another exception occurred:

... Looks like pylint is broken?

**Related issues:**
Blocks pySim - Bug #5666: ModuleNotFoundError: No module named 'construct.lib... Resolved 08/29/2022

**Associated revisions**
Revision 4e64e727 - 09/14/2022 05:00 AM - fixeria
Revert "contrib/jenkins.sh: pylint v2.15 is unstable, pin v2.14.5"
This reverts commit 12175d358850cfe640c060292d8273cabc23cbbc.
The upstream has fixed the regression:
https://github.com/PyCQA/pylint/issues/7375
which was actually not in pylint itself but in its dependency:
https://github.com/PyCQA/astroid/pull/1763
https://github.com/PyCQA/astroid/releases/tag/v2.12.6
Change-Id: I1bf36e0c6db14a10ff4eab57bae238401dbd7fd0
Closes: OS#5668

**History**
#1 - 08/29/2022 06:54 PM - fixeria
Upstream ticket: https://github.com/PyCQA/pylint/issues/7375

#2 - 08/29/2022 07:55 PM - fixeria
https://jenkins.osmocom.org/jenkins/view/master/job/master-pysim/ is not affected because somehow it's using older pylint v2.14.5:
Requirement already satisfied: pylint in ./venv/lib/python3.7/site-packages (2.14.5)
Most likely, because we do not clean the workspace.

#3 - 08/30/2022 09:29 AM - fixeria
- Blocks Bug #5666: ModuleNotFoundError: No module named 'construct.lib.containers' added

#4 - 08/30/2022 10:29 AM - fixeria
- Status changed from New to Stalled

As a temporary workaround, I submitted a patch pinning v2.14.5, which is known to work:
https://gerrit.osmocom.org/c/pysim/+/29239 contrib/jenkins.sh: pylint v2.15 is unstable, pin v2.14.5 [NEW]
We can revert this patch once the upstream fixes the regression.

#5 - 09/06/2022 08:48 AM - fixeria
- Status changed from Stalled to Feedback
- % Done changed from 0 to 100

fixeria wrote in #note-4:
As a temporary workaround, I submitted a patch pinning v2.14.5, which is known to work:
https://gerrit.osmocom.org/c/pysim/+/29239 contrib/jenkins.sh: pylint v2.15 is unstable, pin v2.14.5 [NEW]
We can revert this patch once the upstream fixes the regression.

The workaround has been merged. Meanwhile, the upstream fixed the regression:
https://github.com/PyCQA/astroid/pull/1763
which was not in pylint itself, but in its dependency.

Here is a revert:

https://gerrit.osmocom.org/c/pysim/+/29276

Revert "contrib/jenkins.sh: pylint v2.15 is unstable, pin v2.14.5" [NEW]

#6 - 09/15/2022 07:05 PM - fixeria
- Status changed from Feedback to Resolved

Applied in changeset pysim\4e64e727666098a3c56971b0bdaaaf3bd69511bf.