

ONAP: Python Coding Bugs

12 messages

Matt Watkins <mwatkins@linuxfoundation.org>

Fri, May 12, 2023 at 6:05 AM

To: David McBride <dmcbride@linuxfoundation.org>, Sandra Jackson <sjackson@linuxfoundation.org>

David, Sandra,

After speaking to Cedric, I finally got around to auditing the ONAP code for Python 2.x related problems (see below).

Some errors below might also be invalid Python3, so I think these are all issues that need addressing.

In total, there are 53 listed issues across 22 repos.

I could raise a single EPIC in JIRA, and add each problem as a sub-task.

Alternatively, I could raise a JIRA for each repository. We need to figure out the preferred approach?

We could discuss this in one of the meetings next week and add it to the agenda?

Any thoughts/feedback?

- Matt

--

```
File "./appc_deployment/JMeter/log_covert.py", line 3
```

```
<!--  
^
```

SyntaxError: invalid syntax

```
File "./demo/vnfs/VES5.0/evel/evel-test-collector/code/collector/collector.py", line 458
```

```
global logger  
^^^^^^^^^^^^^^^^
```

SyntaxError: name 'logger' is used prior to global declaration

```
File "./ccsdk_cds/ms/blueprintsprocessor/functions/python-executor/src/test/resources/PythonTestScript.py", line 4
```

```
print "Processing calling..." + PROPERTY_BLUEPRINT_BASE_PATH  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

```
File "./ccsdk_cds/ms/blueprintsprocessor/functions/python-executor/src/test/resources/scripts/SamplePythonComponentNode.py", line 8
```

```
print "Processing calling..." + PROPERTY_BLUEPRINT_BASE_PATH  
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

```
File "./ccsdk_cds/components/model-catalog/blueprint-model/test-blueprint/capability_python/Scripts/python/DefaultGetNetConfig.py", line 40
```

```
except Exception, err:  
^^^^^^^^^^^^^^^^
```

SyntaxError: multiple exception types must be parenthesized

```
File "./ccsdk_cds/components/model-catalog/blueprint-model/test-blueprint/capability_python/Scripts/python/SamplePythonComponentNode.py", line 8
```


SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./sdc/asdctool/src/main/resources/scripts/python/user/exportUsers.py", line 60

```
print inst
^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./sdc/asdctool/src/main/resources/scripts/python/graphSize.py", line 12

```
print desc, join_strings(args)
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

Sorry: TabError: inconsistent use of tabs and spaces in indentation (duplicatesAndRemove.py, line 13)Processing:

./dcae_controller/dcae-controller-core/dcae-controller-core-utils/src/main/server/bin/fs-init.py

File "./dcae_controller/dcae-controller-core/dcae-controller-core-utils/src/main/server/bin/fs-init.py", line 38

```
print "Start at:", datetime.datetime.now()
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./oom_registrator/src/kube2msb/vendor/github.com/ugorji/go/codec/test.py", line 101

```
print client.call("Echo123", "A1", "B2", "C3")
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./sdc_dcae-d_ci/scripts/remove-vfcmts/get-unique-id.py", line 15

```
print get_unique_id(line)
^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./sdc_dcae-d_ci/scripts/remove-vfcmts/filter-vfcmts.py", line 19

```
print line,
^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./sdc_dcae-d_ci/scripts/remove-vfcmts/get-uniques-only.py", line 12

```
print item,
^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

./integration_simulators_pnf-simulator/netconfsimulator/netconf/set-up-xmIs.py:152: SyntaxWarning: "is not" with a literal. Did you mean "!="?

```
if len(sys.argv) is not 8:
```

File "./multicloud_azure/azure/aria/aria-rest-server/setup.py", line 26

```
print "There was a problem parsing the VERSION file."
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/tests/resources/plugins/mock-plugin1/mock_plugin1.py", line 27

```
print 'mock-plugin-output'
^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "./multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/tests/orchestrator/execution_plugin/test_common.py", line 183

```
print type(process['env'].keys())[0])
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/test_ssh.py", line 188

```
print 'HI!!!!!!!!!!!!', server.port
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/aria/utils/threading.py", line 286

```
raise type_, value, trace
      ^
```

SyntaxError: invalid syntax

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/aria/cli/core/aria.py", line 148

```
print value
^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/aria/cli/service_template_utils.py", line 86

```
print extract_directory
^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/aria/cli/utils.py", line 61

```
raise type(e), type(e)(new_message), trace # pylint: disable=raising-non-exception
      ^
```

SyntaxError: invalid syntax

File "/multicloud_azure/azure/aria/aria-extension-cloudify/src/aria/aria/orchestrator/execution_plugin/local.py", line 73

```
os.chmod(script_path, 0755)
      ^
```

SyntaxError: leading zeros in decimal integer literals are not permitted; use an 0o prefix for octal integers

File "/music_prom/sampleApp/promoverride.py", line 57

```
print json.dumps(response.json()["result"], indent=2, sort_keys=True)
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

Processing: ./multicloud_openstack/kilo/kilo/swagger/views.py

Sorry: TabError: inconsistent use of tabs and spaces in indentation (views.py, line 86)

Processing: ./multicloud_openstack/kilo/kilo/__init__.py

File "/multicloud_openstack/kilo/kilo/pub/utils/toscautil.py", line 2599

```
print convert_nsd_model(src_json)
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_openstack/kilo/kilo/pub/utils/fileutil.py", line 22

```
os.makedirs(path, 0777)
      ^
```

SyntaxError: leading zeros in decimal integer literals are not permitted; use an 0o prefix for octal integers

Processing: ./multicloud_openstack/share/newton_base/openoapi/sample.py

Sorry: TabError: inconsistent use of tabs and spaces in indentation (sample.py, line 49)

File "/multicloud_openstack/share/common/utils/toscautil.py", line 2599

```
print convert_nsd_model(src_json)
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

SyntaxError: Missing parentheses in call to 'print'. Did you mean print(...)?

File "/multicloud_openstack/share/common/utils/fileutil.py", line 22

```
os.makedirs(path, 0777)
      ^
```

SyntaxError: leading zeros in decimal integer literals are not permitted; use an 0o prefix for octal integers

David McBride <dmcbride@linuxfoundation.org>
To: Matt Watkins <mwatkins@linuxfoundation.org>

Fri, May 12, 2023 at 8:51 AM

Matt,

Thanks for digging into this.

I'd say create Jira issues (bugs not tasks) under the associated Jira project for each problem, then group them under a parent issue assigned to CIMAN.

It looks like more than half of the issues are due to changes to 'print' going from Python 2 to Python 3, so there's a lot of low hanging fruit that could be quickly resolved.

Some of the issues are associated with projects that are no longer active, or that lack a PTL, so we'll need to figure out what to do with those.

When you have the Jira issues put together, please send me an email with a reference to the parent ticket. Also, please copy Sandra, Amy, And Pawel.

I'll bring it up on Monday's PTL call.

David

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