

We could use a dict, a class, or a tuple as the return value from the function. That doesn't feel too ugly. But then we need to pass that structure into the function which takes care of invoking subscription-manager on the command line and that *does* feel ugly. That function would have to care about the structure of the data we pass in (If a tuple, what is the order? If a dict, what are the field names?, etc). To take care of this, we can make the data structure that we return from assembling the data a class and the function which calls subscription-manager a method of that class because it's quite natural for a method to have knowledge of what attributes the class contains.

Hmm... but now that we have a class with behaviours (methods), it starts to feel like we could do some more things. A function that fills in the values of a class, validates that the data is proper, and then returns an instance of that class is really a constructor, right? So it makes sense to move the function which assembles the data and returns the class a constructor. But that particular function isn't very generic: it uses knowledge of our global toolopts.tool_opts to populate the class. So let's write a simple init() that takes all of the values needed as separate parameters and then create an alternative constructor (an @classmethod which returns an instance of the class) which gets the data from a ToolOpt, and then calls init() with those values and returns the resulting class.

Okay, things are much cleaner now, but there's one more thing that we can do. We now have a class that has a constructor to read in data and a single method that we can call to return some results. What do we call an object that can be called to return a result? A function or more generically, in python, a Callable. We can turn this class into a callable by renaming the method which actually invokes subscription-manager call().

What we have at the end of all this is a way to create a function which knows about the settings in tool_opts which we can then call to perform our subscription-manager needs::

```
registration_command = RegistrationCommand.from_tool_opts()
return_code = registration_command()
```

OAMG-6551 #done convert2rhel now passes the rhsm password to subscription-manager securely.

- Modify the hiding of secret to hide both --password SECRET and
 --password=SECRET. Currently we only use it with passwords that we
 are passing in the second form (to subscription-manager) but catching
 both will future proof us in case we use this function for more things
 in the future. (Eric Gustavsson)
 - Note: using generator expressions was tried here but found that they only bind the variable being iterated over at definition time, the rest of the variables are bound when the generator is used. This means that constructing a set of generators in a loop doesn't really work as the loop variables that you use in the generator will have a different value by the time you're done.

So a nested for loop and if-else is the way to implement this.

Add a comment about activation_key being insecure for now. We can fix
this once subscription-manager implements https://issues.redhat.com/browse/ENT-4724
(Eric Gustavsson)

Unittest enhancements for the subscription RegisterCommand change:

- Add global_tool_opts fixture to conftest.py which monkeypatches a
 fresh ToolOpts into convert2rhel.toolopts.tool_opts. That way tests
 can modify that without worrying about polluting other tests.
 - How toolopts is imported in the code makes a difference whether this fixture is sufficient or if you need to do a little more work. If the import is::

```
from convert2rhel import toolopts do_something(toolopts.tool_opts.username)
```

then your test can just do::

```
def test_thing_that_uses_toolopts(global_tool_opts):
    global_tool_opts.username = 'badger'
```

Most of our code, though, imports like this::

```
# In subscription.py, for instance
from convert2rhel.toolopts import tool_opts
do_something(tool_opts.username)
```

so the tests should do something like this::

```
def test_toolopts_differently(global_test_opts, monkeypatch):
    monkeypatch.setattr(subscription, 'tool_opts', global_tool_opts)
```

- Add unittests for utils.run_cmd_in_pty()
- Add unittests for the subscription.RegistrationCommand object.
- subscription_test.py::test_hide_secrets was expanded to test without equals sign
- Flaky test appeared within systeminfo_test.py::test_generate_rpm_va
 due to changes to tool_opts in other tests. A temporary fix is added
 until the whole test class is changed from unittest to pytest

- Fix failing unittests for RegistrationCommand
- Sometimes a process will close stdout before it is done processing.
 When that happens, we need to wait() for the process to end before closing the pty. If we don't wait, the process will receive a HUP signal which may end it before it is done.
 - But on RHEL7, pexpect.wait() will throw an exception if you wait on an already finished process. So we need to ignore that exception there.
- Add integration test Check for cve fixes, add 'psutil' to install-testing-depends playbook
- Fix Pexpect.spawn truncating lines on RHEL7.
 Along with a comment on why the change fixes the bug.

Fixes: https://issues.redhat.com/browse/RHELC-432

codecov bot commented on May 10 • edited •

Codecov Report

Merging #492 (960490a) into main (8658831) will increase coverage by 1.19% . The diff coverage is 100.00% .

@@	Coverage Diff			@@
##	main	#492	+/-	##
========				
+ Coverage	82.46%	83.65%	+1.19%	
========				
Files	16	16		
Lines	2258	2319	+61	
Branches	383	403	+20	
========				====
+ Hits	1862	1940	+78	
+ Misses	331	314	-17	
Partials	65	65		

Impacted Files	Coverage Δ	
convert2rhel/subscription.py	83.80% <100.00%> (+3.27%)	1
convert2rhel/utils.py	69.69% <100.00%> (+5.91%)	1

Continue to review full report at Codecov.

Legend - Click here to learn more

```
\Delta = absolute <relative> (impact), \phi = not affected, ? = missing data
```

Powered by Codecov. Last update 8658831...960490a. Read the comment docs.

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 18edac5 into 23fe45a - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

abadger commented on May 10

Member

Author

I believe the lgtm errors are false positives but I would appreciate it if someone else would take a look as Igtm is flagging them as security issues (revealing of private data).

SpyTec reviewed on May 10

View changes

convert2rhel/utils.py

```
+ class PexpectSizedWindowSpawn(pexpect.spawn):
238
            # https://github.com/pexpect/pexpect/issues/134
239
            def setwinsize(self, rows, cols):
240
                super(PexpectSizedWindowSpawn, self).setwinsize(rows, 120)
241
```



SpyTec on May 10

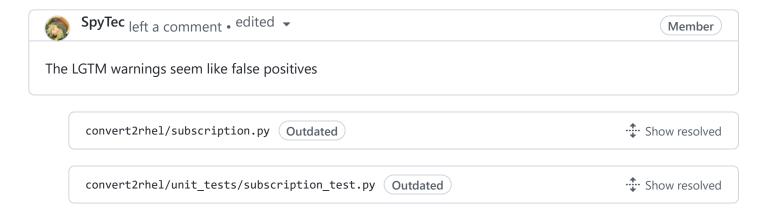
Member

We're removing this workaround in #475 for 0.27 and won't fix it for 0.26

SpyTec commented on May 10

Member

@abadger was there any difference between this and the patch?



abadger commented on May 10

(Member) (Author

@abadger was there any difference between this and the patch?

There were quite a few conflicts (there have been changes from Rodolfo and Andrew which were merged after the patch was created) which I had to resolve. (I have asked both of them to take a look at this PR specifically to see whether their changes are still intact.)

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 12dc446 into 23fe45a - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging c2a1150 into 23fe45a - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 68e7ad8 into 23fe45a - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

abadger force-pushed the fix-sub-mgr-cli-call branch from 68e7ad8 to 085fb11

Compare

7 months ago

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 085fb11 into 23fe45a - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

r0x0d commented on May 10

Member

@abadger was there any difference between this and the patch?

There were quite a few conflicts (there have been changes from Rodolfo and Andrew which were merged after the patch was created) which I had to resolve. (I have asked both of them to take a look at this PR specifically to see whether their changes are still intact.)

Looking at the changes right now.

Igtm-com (bot) commented on May 10

Contributor

This pull request introduces 3 alerts and fixes 1 when merging b26c1c6 into 23fe45a - view on LGTM.com

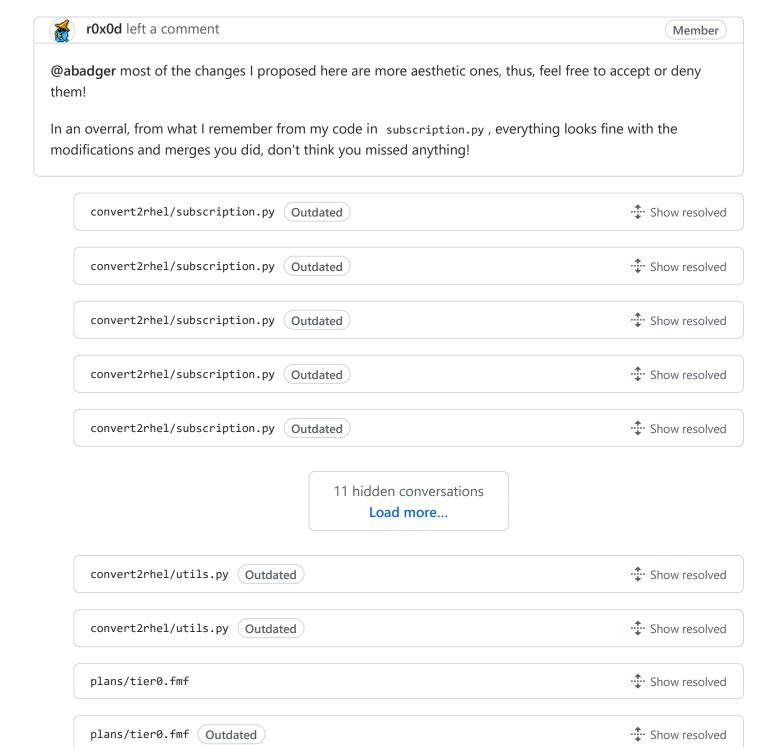
new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

- 1 for Clear-text logging of sensitive information
- SpyTec requested review from r0x0d and Andrew-ang9 7 months ago
- r0x0d previously approved these changes on May 11

View changes



tests/integration/tier0/check-cve-2022-1662/main.fmf (Outdated)

• Show resolved

r0x0d commented on May 11

Member

Note: it was not an approval, I selected the comment option when submitting the review. Don't know what went wrong.

abadger dismissed r0x0d's stale review via eeeabe1 7 months ago

Igtm-com (bot) commented on May 11

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 7cbe6a8 into 37b3a00 - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

Igtm-com (bot) commented on May 11

Contributor

This pull request introduces 3 alerts and fixes 1 when merging <code>0bf9ebb</code> into <code>37b3a00</code> - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

abadger force-pushed the fix-sub-mgr-cli-call branch from **0bf9ebb** to **5671a94**

Compare

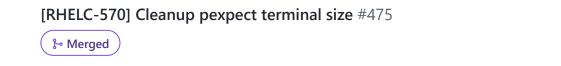
7 months ago

Igtm-com (bot) commented on May 11

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 5671a94 into 37b3a00 - view on LGTM.com

new alerts: • 3 for Clear-text logging of sensitive information fixed alerts: • 1 for Clear-text logging of sensitive information bocekm previously approved these changes on May 11 View changes abadger dismissed bocekm's stale review via e84faff 7 months ago abadger force-pushed the fix-sub-mgr-cli-call branch from 5671a94 to e84faff Compare 7 months ago abadger commented on May 12 Member Author Rebased to pick up the fixes for ubi8 **abadger** mentioned this pull request on May 12 [RHELC-570] Cleanup pexpect terminal size #475 Merged



Contributor **Igtm-com** (bot) commented on May 12 This pull request introduces 3 alerts and fixes 1 when merging e84faff into 68bf0ac - view on LGTM.com new alerts: • 3 for Clear-text logging of sensitive information fixed alerts: • 1 for Clear-text logging of sensitive information

Igtm-com (bot) commented on May 12 Contributor This pull request introduces 3 alerts and fixes 1 when merging 29ab9b8 into 68bf0ac - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

12 hidden items

Load more...

Igtm-com (bot) commented on May 16

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 36e0e98 into a921086 - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

danmyway force-pushed the fix-sub-mgr-cli-call branch from 36e0e98 to e9816db 6 months ago

Compare

Igtm-com (bot) commented on May 16

Contributor

This pull request introduces 3 alerts and fixes 1 when merging e9816db into a921086 - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

Igtm-com (bot) commented on May 16

Contributor

This pull request introduces 3 alerts and fixes 1 when merging 34fcd31 into a921086 - view on LGTM.com

new alerts:

• 3 for Clear-text logging of sensitive information

fixed alerts:

• 1 for Clear-text logging of sensitive information

danmyway commented on May 26

Member

All tests have passed, @bocekm

- danmyway added the need-final-approval label on May 26
- bocekm previously approved these changes on May 26

View changes

r0x0d commented on May 26

Member

b312278

@abadger +1 for that toolopts fixture.

• r0x0d previously approved these changes on May 26

View changes

abadger and others added 11 commits 6 months ago

-0-	Fix missing colon in testing farm metadata	e2d8992
-0-	<pre>Ignore false positives from lgtm</pre>	09ec252

Do not put the subscription-manager password onto the command line. ...

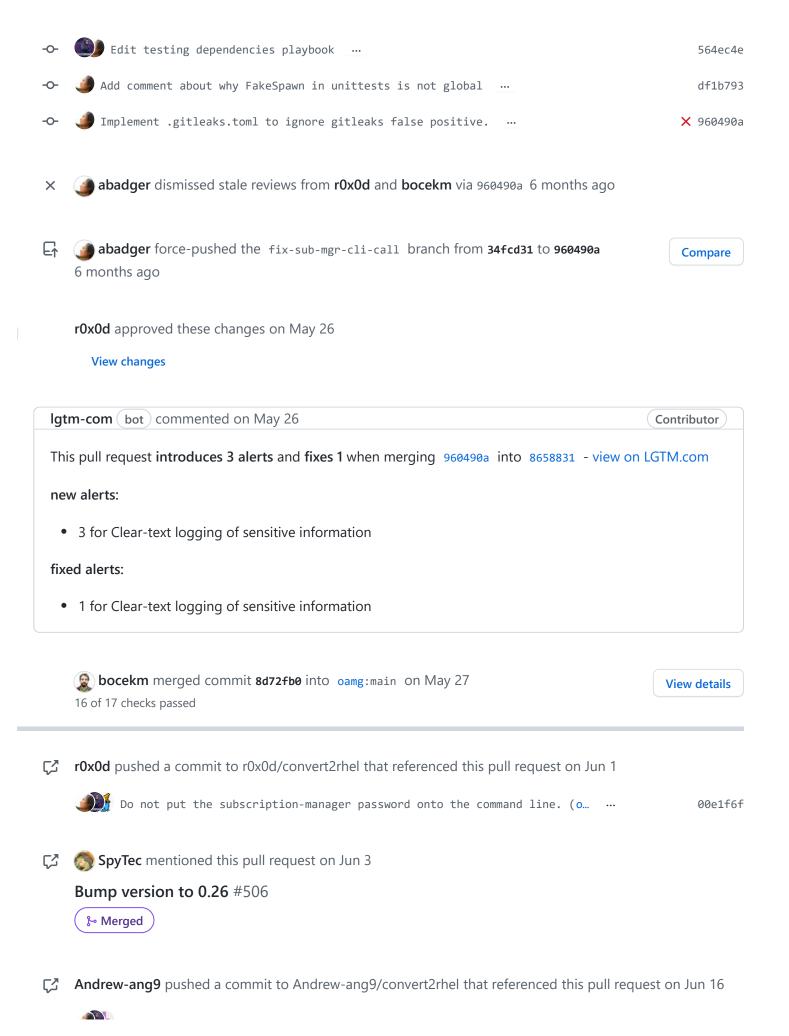
-O- Update subscription-manager interaction to expect password or Password ... a7ac432

-O- A Rename cve integration test. ... 0220f84

-O- Apply changes from Rodolfo's code review. 2382fld

-O- Add docstrings ... 77a04f6

-O- 🏉 Fix sample password used in the integration test to not trigger gitle... ... facbbcf

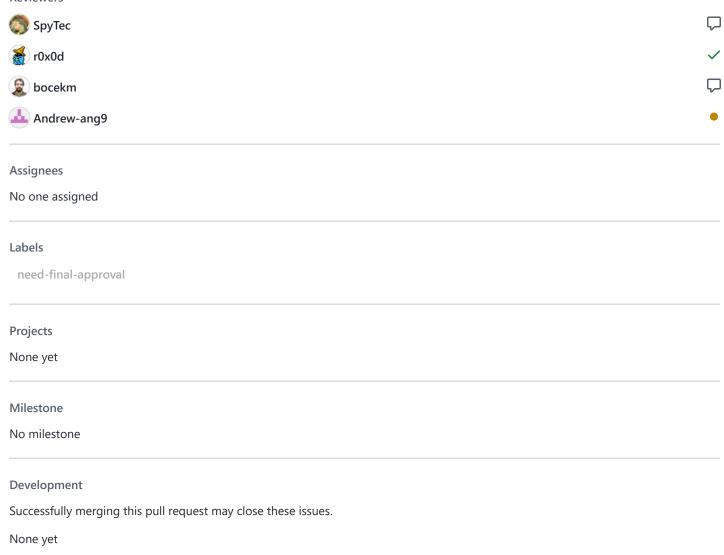




مع

abadger deleted the fix-sub-mgr-cli-call branch 4 months ago

Reviewers



5 participants









