

## Katello - Bug #7553

### katello-agent/goferd: plugin "katelloplugin" import failed - cannot import name ConsumerIdentity on EL6 / No module named bindings.server on EL7

09/20/2014 08:41 AM - Christian Ehart

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Justin Sherrill	
<b>Category:</b>	Client/Agent	
<b>Target version:</b>	Katello 2.0	
<b>Difficulty:</b>	medium	<b>Fixed in Releases:</b>
<b>Triaged:</b>	Yes	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	1146292	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	<a href="https://github.com/Katello/katello-agent/pull/12">https://github.com/Katello/katello-agent/pull/12</a>	

#### Description

Hello,

it seems there are some issue with the "katello-agent/goferd" on Katello 2.0 RC1, below the details:

#Issue1-EL6: "Non-fatal POSTIN scriptlet failure" during Kickstart Post-Install of katello-agent

#Issue2-EL6: "goferd" errors in messages during "service goferd start"

#Issue3-EL6: "Push Install Package" from Katello Server to EL6 Client is not performed, task is hanging on running/pending for ages (I think its related to the above issues)

#Issue4-EL7: "Push Install Package" from Katello Server to EL7 Client is performed ok, but Error in messages file is visible (not sure if it has a side effect)

#### \*Issue1-EL6 ###

Starting goferdTraceback (most recent call last):

File "/usr/bin/goferd", line 17, in <module>

from gofer.agent.main import main

File "/usr/lib/python2.6/site-packages/gofer/agent/main.py", line 26, in <module>

LogHandler.install()

File "/usr/lib/python2.6/site-packages/gofer/agent/logutil.py", line 44, in install

handler = LogHandler(address='/dev/log', facility=SysLogHandler.LOG\_DAEMON)

File "/usr/lib64/python2.6/logging/handlers.py", line 721, in *init*

self.\_connect\_unixsocket(address)

File "/usr/lib64/python2.6/logging/handlers.py", line 737, in \_connect\_unixsocket

self.socket.connect(address)

File "<string>", line 1, in connect

socket.error: [Errno 111] Connection refused

#### \*Issue2-EL6 ###

Sep 20 13:16:39 centos-6 goferd: [INFO][MainThread] gofer.agent.plugin:521 - plugin [builtin] loaded using:

/usr/share/gofer/plugins/builtin.py

Sep 20 13:16:39 centos-6 goferd: [ERROR][MainThread] gofer.agent.plugin:535 - plugin "katelloplugin", import failed

Sep 20 13:16:39 centos-6 goferd: [ERROR][MainThread] gofer.agent.plugin:535 - Traceback (most recent call last): File

"/usr/lib/python2.6/site-packages/gofer/agent/plugin.py", line 519, in \_import plugin.impl = imp.load\_source(name, path) File

"/usr/lib/gofer/plugins/katelloplugin.py", line 33, in <module> from subscription\_manager.certlib import ConsumerIdentity ImportError: cannot import name ConsumerIdentity

Sep 20 13:16:39 centos-6 goferd: [INFO][Actions] builtin:38 - Hello: [main] enabled=1 [messaging] url= uid=

[admin@centos-6.cesystems.at](mailto:admin@centos-6.cesystems.at)

Sep 20 13:16:39 centos-6 goferd: [INFO][MainThread] gofer.agent.main:136 - agent started.

#### \*Issue3-EL6

"start\_time"=>nil,

"state"=>"waiting"

3: Actions::Pulp::Consumer::ContentInstall (suspended) [ 1088.36s / 2.54s ]

#### \*Issue4-EL7 ###

```
Sep 20 14:05:59 centos-7 goferd: [ERROR][worker-0] pulp.agent.lib.container:303 - handler "bind", import failed
Sep 20 14:05:59 centos-7 goferd: [ERROR][worker-0] pulp.agent.lib.container:303 - Traceback (most recent call last): File
"/usr/lib/python2.7/site-packages/pulp/agent/lib/container.py", line 297, in load mod = self.__import_module(path) File
"/usr/lib/python2.7/site-packages/pulp/agent/lib/container.py", line 326, in __import_module mod = __import(path0, globals(), locals(),
[path[-1]]) File "/usr/lib/python2.7/site-packages/pulp_rpm/handlers/bind.py", line 9, in <module> from pulp_rpm.handlers import
repolib File "/usr/lib/python2.7/site-packages/pulp_rpm/handlers/repolib.py", line 12, in <module> from pulp.bindings.server import
DEFAULT_CA_PATH ImportError: No module named bindings.server
```

best regards,  
Christian

**Related issues:**

Copied to Katello - Bug #7629: katello-agent/goferd: No module named bindings... **Rejected** **09/20/2014**

**Associated revisions**

**Revision fa9ed21e - 09/24/2014 08:09 AM - Eric Helms**

Fixes #7553: Update ConsumerIdentity location.

Subscription manager library moved the location of ConsumerIdentity that katello-agent relies on. Instead of being at:

subscription\_manager.certlib

The ConsumerIdentity class looks like it is located at:

subscription\_manager.identity

This fix should work for all versions of subscription-manager, not just the latest.

**Revision fa9ed21e - 09/24/2014 12:09 PM - Eric Helms**

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This fix should work for all versions of subscription-manager, not just the latest.

**Revision ec028086 - 09/24/2014 02:50 PM - Eric D Helms**

Merge pull request #12 from ehelms/fixes-7553

Fixes #7553: Update ConsumerIdentity location.

**Revision ec028086 - 09/24/2014 06:50 PM - Eric D Helms**

Merge pull request #12 from ehelms/fixes-7553

Fixes #7553: Update ConsumerIdentity location.

**History**

**#1 - 09/21/2014 02:31 PM - Eric Helms**

- Target version set to 56
- Difficulty set to medium
- Triaged changed from No to Yes

**#2 - 09/23/2014 04:02 PM - Justin Sherrill**

- Assignee set to Justin Sherrill

**#3 - 09/23/2014 05:36 PM - Justin Sherrill**

- Status changed from New to Need more information

Hey Christian,

I am not able to reproduce issue [#1](#), [#2](#) or issue [#4](#). (I think issue [#3](#) is caused by [#1](#) and [#2](#)).

Would you be able to send me (either by attaching in the issue or emailing), a sosreport from both the el6 and el7 clients as well as a foreman-debug from your foreman server?

Thanks

-Justin (jsherril < at > redhat.com)

#### #4 - 09/24/2014 03:02 AM - Xak Ru

some from /var/log/yum.log

```
Sep 23 18:16:33 Installed: PyPAM-0.5.0-12.el6.x86_64
Sep 23 18:16:34 Installed: python-gofer-1.3.0-1.el6.noarch
Sep 23 18:16:35 Installed: gofer-1.3.0-1.el6.noarch
Sep 23 18:16:36 Installed: python-qpidd-common-0.26-2.el6.noarch
Sep 23 18:16:38 Installed: python-qpidd-0.26-2.el6.noarch
Sep 23 18:16:38 Installed: python-gofer-qpidd-1.3.0-1.el6.noarch
Sep 23 18:16:39 Installed: python-isodate-0.5.0-4.pulp.el6.noarch
Sep 23 18:16:40 Installed: python-pulp-common-2.4.0-1.el6.noarch
Sep 23 18:16:41 Installed: python-pulp-agent-lib-2.4.0-1.el6.noarch
Sep 23 18:16:42 Installed: python-pulp-rpm-common-2.4.0-1.el6.noarch
Sep 23 18:16:43 Installed: pulp-rpm-handlers-2.4.0-1.el6.noarch
Sep 23 18:16:46 Installed: katello-agent-2.0.0-1.el6.noarch

# /etc/init.d/goferd restart
Stopping goferd          [ OK ]
Starting goferd         [ OK ]

#cat /var/log/messages
Sep 23 19:33:02 client rsyslogd: [origin software="rsyslogd" swVersion="5.8.10" x-pid="1246" x-info="http://ww
w.rsyslog.com"] rsyslogd was HUPed
Sep 24 10:50:57 client goferd: [INFO][MainThread] gofer.agent.plugin:521 - plugin [builtin] loaded using: /usr
/share/gofer/plugins/builtin.py
Sep 24 10:50:57 client goferd: [ERROR][MainThread] gofer.agent.plugin:535 - plugin "katelloplugin", import fai
led
Sep 24 10:50:57 client goferd: [ERROR][MainThread] gofer.agent.plugin:535 - Traceback (most recent call last):
  File "/usr/lib/python2.6/site-packages/gofer/agent/plugin.py", line 519, in _import plugin.impl = imp.load_so
urce(name, path) File "/usr/lib/gofer/plugins/katelloplugin.py", line 33, in <module> from subscription_manage
r.certlib import ConsumerIdentity ImportError: cannot import name ConsumerIdentity
Sep 24 10:50:57 client goferd: [INFO][Actions] builtin:38 - Hello: [main] enabled=1 [messaging] url= uuid=ad
min@client.com
Sep 24 10:50:57 client goferd: [INFO][MainThread] gofer.agent.main:136 - agent started.
Sep 24 10:55:14 client goferd: [INFO][MainThread] gofer.agent.plugin:521 - plugin [builtin] loaded using: /usr
/share/gofer/plugins/builtin.py
Sep 24 10:55:14 client goferd: [ERROR][MainThread] gofer.agent.plugin:535 - plugin "katelloplugin", import fai
led
Sep 24 10:55:14 client goferd: [ERROR][MainThread] gofer.agent.plugin:535 - Traceback (most recent call last):
  File "/usr/lib/python2.6/site-packages/gofer/agent/plugin.py", line 519, in _import plugin.impl = imp.load_so
urce(name, path) File "/usr/lib/gofer/plugins/katelloplugin.py", line 33, in <module> from subscription_manage
r.certlib import ConsumerIdentity ImportError: cannot import name ConsumerIdentity
Sep 24 10:55:14 client goferd: [INFO][Actions] builtin:38 - Hello: [main] enabled=1 [messaging] url= uuid=ad
min@client.com
Sep 24 10:55:14 client goferd: [INFO][MainThread] gofer.agent.main:136 - agent started.

#ls /usr/share/gofer/plugins/
builtin.py builtin.pyc builtin.pyo

ll -a /usr/lib/gofer/plugins/
итого 44
drwxr-xr-x. 2 root root 4096 Сен 23 18:17 .
drwxr-xr-x. 3 root root 4096 Сен 23 18:16 ..
-rw-r--r--. 1 root root 9765 Сен 13 00:45 katelloplugin.py
-rw-r--r--. 2 root root 11739 Сен 13 00:45 katelloplugin.pyc
-rw-r--r--. 2 root root 11739 Сен 13 00:45 katelloplugin.pyo

cat /usr/lib/gofer/plugins/katelloplugin.py | head -n 35
#
# Copyright 2013 Red Hat, Inc.
```

```
#
# This software is licensed to you under the GNU General Public
# License as published by the Free Software Foundation; either version
# 2 of the License (GPLv2) or (at your option) any later version.
# There is NO WARRANTY for this software, express or implied,
# including the implied warranties of MERCHANTABILITY,
# NON-INFRINGEMENT, or FITNESS FOR A PARTICULAR PURPOSE. You should
# have received a copy of GPLv2 along with this software; if not, see
# http://www.gnu.org/licenses/old-licenses/gpl-2.0.txt.
#
```

```
"""
The katello agent plugin.
Provides content management APIs for pulp within the RHSM environment.
"""
```

```
import os
import sys

sys.path.append('/usr/share/rhsm')

from yum import YumBase
from logging import getLogger, Logger

from gofer.decorators import *
from gofer.agent.plugin import Plugin
from gofer.pmon import PathMonitor
from gofer.agent.rmi import Context
from gofer.config import Config

from subscription_manager.certlib import ConsumerIdentity
from rhsm.connection import UEPCConnection
```

#### #5 - 09/24/2014 03:08 AM - Xak Ru

I found this module in [https://github.com/alikins/subscription-manager-docs/blob/master/subscription\\_manager.certlib](https://github.com/alikins/subscription-manager-docs/blob/master/subscription_manager.certlib) how to fix this error? In katello-agent 1.4 i don't see same errors. Only in katello-agent 2.0

#### #6 - 09/24/2014 05:12 AM - Christian Ehart

Logfile Information send via email to Justin

Justin Sherrill wrote:

Hey Christian,

I am not able to reproduce issue [#1](#), [#2](#) or issue [#4](#). (I think issue [#3](#) is caused by [#1](#) and [#2](#)).

Would you be able to send me (either by attaching in the issue or emailing), a sosreport from both the el6 and el7 clients as well as a foreman-debug from your foreman server?

Thanks

-Justin (jsherril <at> redhat.com)

#### #7 - 09/24/2014 08:09 AM - Eric Helms

After talking to Xak, this appears to be an issue with the newest subscription manager. They moved the location of ConsumerIdentity that katello-agent relies on (<https://github.com/candlepin/subscription-manager/commit/c641b59240e46274087f90ed2e85514fe18b9176>). Instead of being at:

```
subscription_manager.certlib
```

The ConsumerIdentity class looks like it is located at:

```
subscription_manager.identity (https://github.com/candlepin/subscription-manager/blob/master/src/subscription\_manager/identity.py#L28)
```

#### #8 - 09/24/2014 08:11 AM - Eric Helms

- Status changed from Need more information to Ready For Testing
- Pull request <https://github.com/Katello/katello-agent/pull/12> added
- Pull request deleted ()

**#9 - 09/24/2014 09:29 AM - Xak Ru**

Thnx!  
Fixed!  
In /usr/lib/gofer/plugins/katelloplugin.py  
Change:

```
from subscription_manager.certlib import ConsumerIdentity  
  
to  
  
from subscription_manager.identity import ConsumerIdentity
```

**thnx to Eric Helms and Oleg K.**

**#10 - 09/24/2014 01:49 PM - Christian Ehart**

Hi Guys,

Issue 1-3: fixed, can be closed (thanks for the support)  
**Issue 4: open (see below)- not sure if it has a side effect**

I'm getting now the same error in messages on EL6 as on EL7 (see Issue4-EL7)  
...not sure if it has a side effect (Error in messages only happening after successfull Package Push):

```
Sep 24 19:26:56 centos-6 goferd: [INFO][worker-0] gofer.transport.qpid.broker:69 - connecting: {katello.cesyst  
ems.at:5671}:|transport=SSL|host=katello.cesystems.at|port=5671|cacert=/etc/rhsm/ca/candlepin-local.pem|client  
cert=/etc/pki/consumer/bundle.pem|userid=None|password=None|vhost=None  
Sep 24 19:26:56 centos-6 goferd: [INFO][worker-0] gofer.transport.qpid.broker:83 - {katello.cesystems.at:5671}  
connected to AMQP  
Sep 24 19:26:56 centos-6 goferd: [INFO][worker-0] gofer.rmi.dispatcher:612 - call: Content.install() sn=a6a4d1  
66-a233-40f1-823c-24681e213fb4 info={u'task_id': u'd1680a97-0d05-43b2-a1d1-1874760480aa', u'consumer_id': u'b7  
bbd660-7d06-4a27-b282-2bc73141b299'}  
*Sep 24 19:26:56 centos-6 goferd: [ERROR][worker-0] pulp.agent.lib.container:303 - handler "bind", import fail  
ed  
*Sep 24 19:26:56 centos-6 goferd: [ERROR][worker-0] pulp.agent.lib.container:303 - Traceback (most recent call  
last): File "/usr/lib/python2.6/site-packages/pulp/agent/lib/container.py", line 297, in __load mod = self.__  
import_module(path) File "/usr/lib/python2.6/site-packages/pulp/agent/lib/container.py", line 326, in __import  
_module mod = __import__(path[0], globals(), locals(), [path[-1]]) File "/usr/lib/python2.6/site-packages/pulp  
_rpm/handlers/bind.py", line 9, in <module> from pulp_rpm.handlers import repolib File "/usr/lib/python2.6/sit  
e-packages/pulp_rpm/handlers/repolib.py", line 12, in <module> from pulp.bindings.server import DEFAULT_CA_PAT  
H ImportError: No module named bindings.server  
Sep 24 19:27:02 centos-6 goferd: [INFO][worker-0] gofer.agent.rmi:149 - sn=a6a4d166-a233-40f1-823c-24681e213fb  
4 processed in: 6.362 (seconds)
```

best regards,  
Christian

**#11 - 09/24/2014 02:03 PM - Justin Sherrill**

Christian, see the comments above, there is a PR open to fix that issue (#4) <https://github.com/Katello/katello-agent/pull/12>

It should fix it for el6 and 7. It was introduced by a change to subscription-manager upstream.

**#12 - 09/24/2014 02:18 PM - Christian Ehart**

Hi Justin,

I implemented the PR on my system, this Workaround fixed Issue1-3, but not Issue4 !!!  
Anyway, in the meantime I found the following for Issue4, see [https://bugzilla.redhat.com/show\\_bug.cgi?id=1142376](https://bugzilla.redhat.com/show_bug.cgi?id=1142376)

In that case we can agree to close the ticket because we have an Bug Report for Pulp open which is targeted for Pulp Release 2.5.x

Thanks,  
Christian

**#13 - 09/24/2014 02:32 PM - Justin Sherrill**

Ahh apologies, too many things floating around in my head. I still need to look at that issue, doing that now.

-Justin

**#14 - 09/24/2014 03:07 PM - Eric Helms**

- Status changed from Ready For Testing to Closed

**#15 - 09/24/2014 03:23 PM - Justin Sherrill**

- Copied to Bug #7629: katello-agent/goferd: No module named bindings.server on package install added

**#16 - 09/24/2014 03:24 PM - Justin Sherrill**

cloned to <http://projects.theforeman.org/issues/7629> to handle the bindings error.

**#17 - 09/24/2014 07:50 PM - Justin Sherrill**

- Bugzilla link set to 1146292