

Foreman - Support #11780

Failed to list puppet environments: Failed to query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0'

09/11/2015 05:35 AM - ganesan gurumurthy

| | |
|---|------------------------------------|
| <div>Status:Resolved</div> <div>Priority:Normal</div> <div>Assignee:</div> <div>Category:</div> <div>Target version:</div> <div>Triaged:</div> <div>Fixed in Releases:</div> | <div>Found in Releases:1.8.2</div> |
| <div>Description</div> <div>I am getting the following error:</div> <div>ERROR -- : Failed to list puppet environments: Failed to query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0'</div> <div>The reason for the error is described in: http://projects.theforeman.org/projects/foreman/wiki/ERF12-2749</div> <div>Resolution Suggested: Ensure you have foreman-proxy 1.5.2 or higher when using Puppet 3.6+ and directory environments ("environmentpath" setting).</div> <div>Topology of my environment</div> <div>--- Puppet Master with Foreman on IP1</div> <div>Puppet 3.7.5, foreman-1.8.2-1.el6.noarch, ruby 1.9.3p551 (2014-11-13 revision 48407) [x86_64-linux]</div> <div>--- Puppet Master with Foreman Proxy on IP2 which connects to IP1</div> <div>Puppet 3.7.5, foreman-proxy-1.7.5-1.el6.noarch and ruby 1.9.3p551 (2014-11-13 revision 48407) [x86_64-linux]</div> <div>Both puppet masters are configured to have directory environment path the same way. I am able to import classes from IP1 where foreman also resides. But not from IP2 where only foreman-proxy is installed.</div> <div>I am able to see IP2 registered to IP1.</div> <div>Trying to import puppet classes from IP2 from foreman sitting on IP1 is throwing the above error.</div> <div>Command tried from IP1 to list puppet environments of IP2: (This is to replicate the error I am getting in foreman from CLI)</div> <div>curl -vs \ --key /var/lib/puppet/ssl/private_keys/ip2.dns.com.pem \ --cacert /var/lib/puppet/ssl/certs/ca.pem \ --cert /var/lib/puppet/ssl/certs/ip2-dns.com.pem \ https://ip2-dns.com:8443/puppet/environments</div> <div>Error reported in ip2 proxy logs:</div> <div>[root@ip2 httpd]# tail -f /var/log/foreman-proxy/proxy.log E, [2015-09-10T14:52:10.201506 #24275] ERROR -- : Failed to list puppet environments: Failed to query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0' ip1 - - [10/Sep/2015 14:52:10] "GET /environments HTTP/1.1" 406 143 1.8941 E, [2015-09-10T14:53:33.477247 #24275] ERROR -- : Failed to list puppet environments: Failed to query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0'</div> | |

```
ip1 - - [10/Sep/2015 14:53:33] "GET /environments HTTP/1.1" 406 143 0.5582
E, [2015-09-10T14:56:59.390056 #24275] ERROR -- : Failed to list puppet environments: Failed to
query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0
'

ip1 - - [10/Sep/2015 14:56:59] "GET /environments HTTP/1.1" 406 143 0.5364
E, [2015-09-10T14:57:11.816250 #24275] ERROR -- : Failed to list puppet environments: Failed to
query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0
'

ip1 - - [10/Sep/2015 14:57:11] "GET /environments HTTP/1.1" 406 143 0.5434
E, [2015-09-11T09:18:12.636880 #24275] ERROR -- : Failed to list puppet environments: Failed to
query Puppet find environments API (400): The environment must be purely alphanumeric, not 'v2.0
'

ip1 - - [11/Sep/2015 09:18:12] "GET /environments HTTP/1.1" 406 143 0.5595
```

Error While Importing classes in foreman:

Warning!

```
ERF12-2749 [ProxyAPI::ProxyException]: Unable to get environments from Puppet ([RestClient::No
tAcceptable]: 406 Not Acceptable) for proxy https://devci2-puppet.vzbi.com:8443/puppet
```

If you feel this is an error with Foreman itself, please open a new issue with Foreman ticketing system, You would probably need to attach the Full trace and relevant log entries.

ProxyAPI::ProxyException

```
ERF12-2749 [ProxyAPI::ProxyException]: Unable to get environments from Puppet ([RestClient::No
tAcceptable]: 406 Not Acceptable) for proxy https://devci2-puppet.vzbi.com:8443/puppet
lib/proxy_api/puppet.rb:11:in `rescue in environments'
lib/proxy_api/puppet.rb:9:in `environments'
app/services/puppet_class_importer.rb:131:in `actual_environments'
app/services/puppet_class_importer.rb:23:in `changes'
app/controllers/concerns/foreman/controller/environments.rb:11:in `import_environments'
app/controllers/concerns/application_shared.rb:13:in `set_timezone'
app/models/concerns/foreman/thread_session.rb:32:in `clear_thread'
lib/middleware/catch_json_parse_errors.rb:9:in `call'
```

History

#1 - 09/11/2015 05:43 AM - Dominic Cleal

- Status changed from New to Feedback

I think it's most likely that your Puppet master isn't actually running Puppet 3.7.5. Perhaps it's been upgraded and hasn't been restarted (httpd/apache2?) or there are multiple Puppet installations (e.g. package and a gem) and it's loading the wrong one.

Running this should be equivalent to the query that the smart proxy is making to the Puppet master:

```
curl -vs \
  --key /var/lib/puppet/ssl/private_keys/ip2.dns.com.pem \
  --cacert /var/lib/puppet/ssl/certs/ca.pem \
  --cert /var/lib/puppet/ssl/certs/ip2-dns.com.pem \
  https://ip2-dns.com:8140/v2.0/environments
```

The error from the master is very much indicative of a pre-3.5 version of Puppet.

#2 - 09/11/2015 05:53 AM - ganesan gurumurthy

Thanks Dominic. That was too quick :) ...

You were spot on. Puppet master has both package and gem. Gem is 3.7.5 which is what I was checking. But the package was 2.7.x. I am getting it corrected. Will keep you posted.

Thanks very much for the support.

#3 - 09/11/2015 06:37 AM - ganesan gurumurthy

I have installed 3.8.2 puppet package.

Without directory environment, the curl is returning "[production]" in the json response. But once I set directory environment, the json response is blank ({}).

[main]

```

# The Puppet log directory.
# The default value is '$vardir/log'.
logdir = /var/log/puppet

# Where Puppet PID files are kept.
# The default value is '$vardir/run'.
rundir = /var/run/puppet

# Where SSL certificates are kept.
# The default value is '$confdir/ssl'.
ssldir = $vardir/ssl

environmentpath = /etc/puppet/environments
[agent]
# The file in which puppetd stores a list of the classes
# associated with the retrieved configuration. Can be loaded in
# the separate ``puppet`` executable using the ``--loadclasses``
# option.
# The default value is '$confdir/classes.txt'.
classfile = $vardir/classes.txt

# Where puppetd caches the local configuration. An
# extension indicating the cache format is added automatically.
# The default value is '$confdir/localconfig'.
localconfig = $vardir/localconfig

```

#4 - 09/11/2015 06:38 AM - ganesan gurunurthy

Seems the puppet.conf pasted earlier has been messed up. Pasting it again.

```

[main]
# The Puppet log directory.
# The default value is '$vardir/log'.
logdir = /var/log/puppet

# Where Puppet PID files are kept.
# The default value is '$vardir/run'.
rundir = /var/run/puppet

# Where SSL certificates are kept.
# The default value is '$confdir/ssl'.
ssldir = $vardir/ssl

environmentpath = /etc/puppet/environments
[agent]
# The file in which puppetd stores a list of the classes
# associated with the retrieved configuration. Can be loaded in
# the separate ``puppet`` executable using the ``--loadclasses``
# option.
# The default value is '$confdir/classes.txt'.
classfile = $vardir/classes.txt

# Where puppetd caches the local configuration. An
# extension indicating the cache format is added automatically.
# The default value is '$confdir/localconfig'.
localconfig = $vardir/localconfig

```

#5 - 09/11/2015 06:43 AM - Dominic Cleal

The curl response from the smart proxy, not Puppet, right?

Do you have any classes under /etc/puppet/environments? What's the full path?

Also be sure to restart the master (httpd/apache2) when changing puppet.conf.

#6 - 09/11/2015 06:48 AM - ganesan gurunurthy

- 1) Yes the curl response is from smart proxy
- 2) yes, I have classes under /etc/puppet/environments.
/etc/puppet/environments/production/modules/common/manifests/*.pp
I have other modules aswell. This is just a representation
- 3) Yes I do service httpd restart every time I change /etc/puppet/puppet.conf

puppet.conf has master section aswell.

```
[master]
```

```
autosign    = $confdir/autosign.conf { mode = 664 }
reports     = foreman
external_nodes = /etc/puppet/node.rb
node_terminus = exec
ca          = false
ssldir      = /var/lib/puppet/ssl
certname    = ip2.dns.com
parser      = current
strict_variables = false
```

#7 - 09/11/2015 06:58 AM - Dominic Cleal

What does the curl query in comment 1 return? That should list the search paths for the production environment.

It's also worth running "puppet parser validate" against the manifest .pp, and also attach/paste /var/log/foreman-proxy/proxy.log.

#8 - 09/11/2015 10:08 AM - ganesan gurumurthy

curl output:

```
[root@devci-puppet environments]# curl -vs --key /var/lib/puppet/ssl/private_keys/ip2.dns.com.pem --cacert /var/lib/puppet/ssl/certs/ca.pem --cert /var/lib/puppet/ssl/certs/ip2.dns.com.pem https://ip2.dns.com:8443/puppet/environments | more
```

- About to connect() to ip2.dns.com port 8443 (#0)
- Trying 10.1.107.170... connected
- Connected to ip2.dns.com (10.1.107.170) port 8443 (#0)
- Initializing NSS with certpath: sql:/etc/pki/nssdb
- CAfile: /var/lib/puppet/ssl/certs/ca.pem
CApath: none
- NSS: client certificate from file
- subject: CN=ip2.dns.com
- start date: Sep 09 09:19:35 2015 GMT
- expire date: Sep 08 09:19:35 2020 GMT
- common name: ip2.dns.com
- issuer: CN=Puppet CA: devci-puppet.be.vzbi.com
- SSL connection using TLS_DHE_RSA_WITH_AES_256_CBC_SHA
- Server certificate:
- subject: CN=ip2.dns.com
- start date: Sep 09 09:19:35 2015 GMT
- expire date: Sep 08 09:19:35 2020 GMT
- common name: ip2.dns.com
- issuer: CN=Puppet CA: devci-puppet.be.vzbi.com

GET /puppet/environments HTTP/1.1

User-Agent: curl/7.19.7 (x86_64-redhat-linux-gnu) libcurl/7.19.7 NSS/3.16.2.3 Basic ECC zlib/1.2.3 libidn/1.18 libssh2/1.4.2

Host: ip2.dns.com:8443

Accept: */*

```
< HTTP/1.1 200 OK
< Content-Type: application/json
< Connection: Keep-Alive
< Server: WEBrick/1.3.1 (Ruby/1.8.7/2013-06-27) OpenSSL/1.0.1e
< Date: Fri, 11 Sep 2015 10:49:24 GMT
< Content-Length: 2
< { [data not shown]
```

- Connection #0 to host ip2.dns.com left intact
 - Closing connection #0
- ```
[]
```

puppet parser validate \*.pp run on all pps in the modules under production environment

foreman-proxy log (The error in one of the request is due to typo in my curl command)

```
10.1.107.122 - - [11/Sep/2015 09:48:33] "GET /environments HTTP/1.1" 406 20258 0.7068
10.1.107.122 - - [11/Sep/2015 09:55:12] "GET /environments HTTP/1.1" 200 2 3.7220
10.1.107.122 - - [11/Sep/2015 09:55:59] "GET /environments HTTP/1.1" 200 2 0.5409
10.1.107.122 - - [11/Sep/2015 09:56:00] "GET /environments HTTP/1.1" 200 2 0.5296
10.1.107.122 - - [11/Sep/2015 09:56:06] "GET /environments HTTP/1.1" 200 2 0.5430
10.1.107.122 - - [11/Sep/2015 09:56:57] "GET /environments HTTP/1.1" 200 2 0.5345
10.1.107.122 - - [11/Sep/2015 09:57:09] "GET /environments HTTP/1.1" 200 2 0.5474
10.1.107.122 - - [11/Sep/2015 09:58:55] "GET /environments HTTP/1.1" 200 2 1.8316
10.1.107.122 - - [11/Sep/2015 09:59:09] "GET /environments HTTP/1.1" 200 2 0.5336
10.1.107.122 - - [11/Sep/2015 10:00:32] "GET /environments HTTP/1.1" 200 2 1.5141
10.1.107.122 - - [11/Sep/2015 10:00:47] "GET /features HTTP/1.1" 200 10 0.0013
```

```
10.1.107.122 -- [11/Sep/2015 10:00:48] "GET /features HTTP/1.1" 200 10 0.0013
10.1.107.122 -- [11/Sep/2015 10:00:59] "GET /environments HTTP/1.1" 200 2 0.5573
10.1.107.122 -- [11/Sep/2015 10:01:47] "GET /environments HTTP/1.1" 200 2 0.5421
10.1.107.122 -- [11/Sep/2015 10:05:29] "GET /environments HTTP/1.1" 200 2 2.5047
10.1.107.122 -- [11/Sep/2015 10:06:02] "GET /environments HTTP/1.1" 200 2 0.5382
10.1.107.122 -- [11/Sep/2015 10:06:09] "GET /environments HTTP/1.1" 200 2 0.5304
10.1.107.122 -- [11/Sep/2015 10:08:30] "GET /environments HTTP/1.1" 200 2 1.9273
E, [2015-09-11T10:08:57.922104 #24275] ERROR -- : Untrusted client ip2 attempted to access /environments. Check :trusted_hosts: in settings.yml
10.1.107.170 -- [11/Sep/2015 10:08:57] "GET /environments HTTP/1.1" 403 103 0.0014
10.1.107.122 -- [11/Sep/2015 10:11:10] "GET /environments HTTP/1.1" 200 2 2.0873
10.1.107.122 -- [11/Sep/2015 10:21:05] "GET /environments HTTP/1.1" 200 14 0.0213
10.1.107.122 -- [11/Sep/2015 10:28:31] "GET /environments HTTP/1.1" 200 2 1.9521
10.1.107.122 -- [11/Sep/2015 10:28:34] "GET /environments HTTP/1.1" 200 2 0.5426
10.1.107.122 -- [11/Sep/2015 10:33:43] "GET /environments HTTP/1.1" 200 2 1.9459
10.1.107.122 -- [11/Sep/2015 10:34:33] "GET /environments HTTP/1.1" 200 2 1.4982
10.1.107.122 -- [11/Sep/2015 10:35:12] "GET /environments HTTP/1.1" 200 2 0.2692
10.1.107.122 -- [11/Sep/2015 10:35:18] "GET /environments HTTP/1.1" 200 2 0.5655
10.1.107.122 -- [11/Sep/2015 10:40:34] "GET /environments HTTP/1.1" 200 2 1.9590
10.1.107.122 -- [11/Sep/2015 10:49:24] "GET /environments HTTP/1.1" 200 2 2.3929
```

#### #9 - 09/11/2015 10:21 AM - Dominic Cleal

ganesan gurunurthy wrote:

curl output:

```
[root@devci-puppet environments]# curl -vs --key /var/lib/puppet/ssl/private_keys/ip2.dns.com.pem --cacert /var/lib/puppet/ssl/certs/ca.pem
--cert /var/lib/puppet/ssl/certs/ip2.dns.com.pem https://ip2.dns.com:8443/puppet/environments | more
```

Sorry, not that one - the one against the Puppet master on port 8140, see <http://projects.theforeman.org/issues/11780#note-1>

#### #10 - 09/11/2015 10:24 AM - ganesan gurunurthy

```
{"environments": {}, "search_paths": [{"file": "/var/lib/puppet/.puppet/puppet.conf"}]}
```

#### #11 - 09/11/2015 10:26 AM - Dominic Cleal

If the master's running under Passenger, the config.ru file is probably out of date - it changed between Puppet 2 and 3. The reference there to /var/lib/puppet suggests it's reading the wrong config. It should have a lot more info about the environments and paths.

See the info at <http://projects.theforeman.org/projects/foreman/wiki/FAQ#Upgrade-puppet-from-v2-to-v3-gotchas> and our installer's template at <https://github.com/theforeman/puppet-puppet/blob/master/templates/server/config.ru.erb>.

#### #12 - 09/15/2015 05:13 AM - ganesan gurunurthy

Thanks Dominic. I will try to get the installation issue corrected. This seems to be an issue with the way I have setup things.

You can considered this ticket closed. I will get back if I need any other support.

Really appreciate the complete support I got here from you.

#### #13 - 09/15/2015 05:29 AM - Dominic Cleal

- Status changed from Feedback to Resolved

No problem, I'm glad it helped.

#### #14 - 09/15/2015 07:10 AM - ganesan gurunurthy

got it working :)

```
{"environments": {"development": {"settings": {"manifest": "/etc/puppet/environments/development/manifests", "config_version": "", "modulepath": ["/etc/puppet/environments/development/modules", "/etc/puppet/environments/common", "/etc/puppet/modules", "/usr/share/puppet/modules"], "environment_timeout": 0}, "production": {"settings": {"manifest": "/etc/puppet/environments/production/manifests", "config_version": "", "modulepath": ["/etc/puppet/environments/production/modules", "/etc/puppet/environments/common", "/etc/puppet/modules", "/usr/share/puppet/modules"], "environment_timeout": 0}, "example_env": {"settings": {"manifest": "/etc/puppet/environments/example_env/manifests", "config_version": "", "modulepath": ["/etc/puppet/environments/example_env/modules", "/etc/puppet/environments/common", "/etc/puppet/modules", "/usr/share/puppet/modules"], "environment_timeout": 0}, "common": {"settings": {"manifest": "/etc/puppet/environments/common/manifests", "config_version": "", "modulepath": ["/etc/puppet/environments/common/modules", "/etc/puppet/environments/common", "/etc/puppet/modules", "/usr/share/puppet/modules"], "environment_timeout": 0}}, "search_paths": [{"file": "/etc/puppet/environments", "data": "text/plain, internal"}]}}
```