

Ansible Plugin - Issue #7651

Pulp Error: Network is unreachable during RepositoriesAnsibleApi.sync

10/05/2020 06:18 PM - jdjeffers

Status:	CLOSED - WORKSFORME	Start date:	
Priority:	Normal	Due date:	
Assignee:		Estimated time:	0:00 hour
Category:		Sprint Candidate:	No
Sprint/Milestone:		Tags:	
Severity:	2. Medium	Sprint:	
Platform Release:		Quarter:	
OS:			
Triaged:	No		
Groomed:	No		

Description

Attempting a sync via the pulp-ansible plugin, the following error is thrown:

```
File "/usr/local/lib/pulp/lib64/python3.6/site-packages/rq/worker.py", line 936, in perform_job
    rv = job.perform()
File "/usr/local/lib/pulp/lib64/python3.6/site-packages/rq/job.py", line 684, in perform
    self._result = self._execute()
File "/usr/local/lib/pulp/lib64/python3.6/site-packages/rq/job.py", line 690, in _execute
    return self.func(*self.args, **self.kwargs)
File "/usr/local/lib/pulp/src/pulp-ansible/pulp_ansible/app/tasks/collections.py", line 81, in sync
    d_version.create()
File "/usr/local/lib/pulp/src/pulpcore/pulpcore/plugin/stages/declarative_version.py", line 148, in create
    loop.run_until_complete(pipeline)
File "/usr/lib64/python3.6/asyncio/base_events.py", line 484, in run_until_complete
    return future.result()
File "/usr/local/lib/pulp/src/pulpcore/pulpcore/plugin/stages/api.py", line 225, in create_pipeline
    await asyncio.gather(*futures)
File "/usr/local/lib/pulp/src/pulpcore/pulpcore/plugin/stages/api.py", line 43, in __call__
    await self.run()
File "/usr/local/lib/pulp/src/pulp-ansible/pulp_ansible/app/tasks/collections.py", line 288, in run
    async for metadata in self._fetch_collections():
File "/usr/local/lib/pulp/src/pulp-ansible/pulp_ansible/app/tasks/collections.py", line 362, in _fetch_collections
    initial_data = parse_metadata(await downloader.run())
File "/usr/local/lib/pulp/src/pulpcore/pulpcore/download/base.py", line 227, in run
    return await self._run(extra_data=extra_data)
File "/usr/local/lib/pulp/lib64/python3.6/site-packages/backoff/_async.py", line 133, in retry
    ret = await target(*args, **kwargs)
File "/usr/local/lib/pulp/src/pulp-ansible/pulp_ansible/app/downloaders.py", line 88, in _run
    return await super()._run(extra_data=extra_data)
File "/usr/local/lib/pulp/lib64/python3.6/site-packages/backoff/_async.py", line 133, in retry
    ret = await target(*args, **kwargs)
```

```

File "/usr/local/lib/pulp/src/pulpcore/pulpcore/download/http.py", line 209, in _r
un
    async with self.session.get(self.url, proxy=self.proxy, auth=self.auth) as respo
nse:
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/client.py", line 1
012, in __aenter__
        self._resp = await self._coro
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/client.py", line 4
83, in _request
        timeout=real_timeout
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/connector.py", lin
e 523, in connect
        proto = await self._create_connection(req, traces, timeout)
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/connector.py", lin
e 859, in _create_connection
        req, traces, timeout)
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/connector.py", lin
e 1004, in _create_direct_connection
        raise last_exc
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/connector.py", lin
e 986, in _create_direct_connection
        req=req, client_error=client_error)
    File "/usr/local/lib/pulp/lib64/python3.6/site-packages/aiohttp/connector.py", lin
e 943, in _wrap_create_connection
        raise client_error(req.connection_key, exc) from exc
description: Cannot connect to host galaxy-dev.ansible.com:443 ssl:default [Network
is unreachable]

```

The remote url provided was https://galaxy-dev.ansible.com/api/v2/collections/testing/ansible_testing_content These are the versions present:

```

curl https://`hostname`/pulp/api/v3/status/ --cert /etc/pki/katello/certs/pulp-client.crt --key
/etc/pki/katello/private/pulp-client.key | jq
 % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 1397 100 1397    0    0  7492      0 --:--:-- --:--:-- --:--:--  7551
{
  "versions": [
    {
      "component": "pulpcore",
      "version": "3.7.1"
    },
    {
      "component": "pulp_2to3_migration",
      "version": "0.4.0.dev0"
    },
    {
      "component": "pulp_file",
      "version": "1.4.0.dev0"
    },
    {
      "component": "pulp_container",
      "version": "2.2.0.dev0"
    },
    {
      "component": "pulp_ansible",
      "version": "0.4.1"
    },
    {
      "component": "pulp_certguard",
      "version": "1.1.0.dev0"
    },
    {
      "component": "pulp_rpm",
      "version": "3.7.0"
    }
  ],
}

```

```

"online_workers": [
  {
    "pulp_created": "2020-10-02T17:45:43.215436Z",
    "pulp_href": "/pulp/api/v3/workers/974769cc-b099-469e-8694-4c73e56fa7f7/",
    "name": "676@centos7-proxy-devel.jjeffers.example.com",
    "last_heartbeat": "2020-10-05T16:13:36.733971Z"
  },
  {
    "pulp_created": "2020-09-30T17:11:40.333349Z",
    "pulp_href": "/pulp/api/v3/workers/4ad803de-500a-4061-9092-5dcd9f212b5e/",
    "name": "resource-manager",
    "last_heartbeat": "2020-10-05T16:13:38.437627Z"
  },
  {
    "pulp_created": "2020-10-02T17:45:41.854532Z",
    "pulp_href": "/pulp/api/v3/workers/6a7edf97-736d-49b6-9c28-dcbd12f51380/",
    "name": "695@centos7-proxy-devel.jjeffers.example.com",
    "last_heartbeat": "2020-10-05T16:13:38.636631Z"
  }
],
"online_content_apps": [
  {
    "name": "1195@centos7-proxy-devel.jjeffers.example.com",
    "last_heartbeat": "2020-10-05T16:13:37.690219Z"
  },
  {
    "name": "1210@centos7-proxy-devel.jjeffers.example.com",
    "last_heartbeat": "2020-10-05T16:13:37.691302Z"
  }
],
"database_connection": {
  "connected": true
},
"redis_connection": {
  "connected": true
},
"storage": {
  "total": 42927656960,
  "used": 6078078976,
  "free": 36849577984
}
}

```

Relevant extract from katello server log showing API call with RespositorySyncURL parameters:

```

10:38:20 rails.1 | 2020-10-05T10:38:20 [D|kat|] Calling API: RepositoriesAnsibleApi.sync ...
10:38:20 rails.1 | 2020-10-05T10:38:20 [D|kat|] HTTP request body param ~BEGIN~
10:38:20 rails.1 | | {"remote":"/pulp/api/v3/remotes/ansible/collection/62b69866-9652-4243-a001-cb96c9cf3a10/","mirror":true}

```

Using cURL from the same instance that hosts the pulpserver:

```

[vagrant@centos7-proxy-devel ~]$ curl -i -X GET https://galaxy-dev.ansible.com/api/v2/collections/testing/ansible_testing_content
HTTP/1.1 301 Moved Permanently
Date: Mon, 05 Oct 2020 16:17:20 GMT
Content-Type: text/html; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Set-Cookie: __cfduid=d1e1ffeb69079587cc03db60aa3a4eb6a1601914640; expires=Wed, 04-Nov-20 16:17:20 GMT; path=/; domain=.ansible.com; HttpOnly; SameSite=Lax
Location: /api/v2/collections/testing/ansible_testing_content/
X-REQUEST-ID: e727e193a65f41ddb23696203369edbf
Set-Cookie: af91cb160f5f76cd3bc226a05339849a=1aabc03ebf238aab8c18f839b624077; path=/; HttpOnly; Secure
Cache-control: private
CF-Cache-Status: DYNAMIC

```

```
cf-request-id: 059b26b096000007fa3a278200000001
```

```
Expect-CT: max-age=604800, report-uri="https://report-uri.cloudflare.com/cdn-cgi/beacon/expect-ct"
```

```
Server: cloudflare
```

```
CF-RAY: 5dd873c75c3107fa-ATL
```

History

#1 - 10/05/2020 11:37 PM - fao89

it seems to be a problem with ipv6: <https://stackoverflow.com/a/48008873> Maybe this needs to be addressed at pulpcore: <https://github.com/pulp/pulpcore/blob/master/pulpcore/download/http.py#L145>

Note: I couldn't reproduce the error on both: fedora31 and centos7 box

```
(pulp) [vagrant@pulp3-source-centos7 pulp_ansible]$ pip list | grep aio
aiodns                2.0.0
aiofiles              0.5.0
aiohttp               3.6.2
```

#2 - 10/06/2020 10:18 PM - bmbouter

fao89 wrote:

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Note: I couldn't reproduce the error on both: fedora31 and centos7 box

```
(pulp) [vagrant@pulp3-source-centos7 pulp_ansible]$ pip list | grep aio
aiodns                2.0.0
aiofiles              0.5.0
aiohttp               3.6.2
```

Before we change the aiohttp resolver I think we should confirm that this wasn't an environmental issue. For example in the past when users have VPN's running and they stop routing packets clients raise NetworkUnreachable errors just like this one. I recommend we have a reproducer before we make any code changes related to this. Is a reproducer available?

#3 - 10/07/2020 06:00 PM - jdjeffers

Might be helpful, from that proxy host:

```
[vagrant@centos7-proxy-devel src]$ telnet galaxy-dev.ansible.com 80
Trying 104.26.0.250...
Connected to galaxy-dev.ansible.com.
Escape character is '^]'.
^]
```

#4 - 10/09/2020 08:25 PM - jdjeffers

bmbouter wrote:

I recommend we have a reproducer before we make any code changes related to this. Is a reproducer available?

I'm working to get a reproducer environment available.

#5 - 10/09/2020 08:33 PM - bmbouter

jdjeffers wrote:

bmbouter wrote:

I recommend we have a reproducer before we make any code changes related to this. Is a reproducer available?

I'm working to get a reproducer environment available.

Perfect! We're happy to debug in that environment.

#6 - 10/14/2020 03:35 PM - jdjeffers

This appears to be a networking issue with the proxy itself, and is probably not specific to pulp_ansible. I'll leave the environment up for a while in case anyone would like to explore. But we can close this issue.

#7 - 10/14/2020 04:12 PM - bmbouter

- Status changed from NEW to CLOSED - WORKSFORME

OK great, thank you for the confirmation. I'll close for now, and let us know if there is anything we should do.