

Docker Support - Issue #4328

fsLayers error during sync

01/15/2019 10:04 PM - EppO

Status:	CLOSED - CURRENTRELEASE	Start date:	
Priority:	Normal	Due date:	
Assignee:	ipanova@redhat.com	Estimated time:	0:00 hour
Category:		Groomed:	No
Sprint/Milestone:	2.19.0	Sprint Candidate:	No
Severity:	2. Medium	Tags:	Pulp 2
Version - Docker:		Sprint:	Sprint 48
Platform Release:	2.19.0	Quarter:	
Target Release - Docker:			
OS:	CentOS 7		
Triaged:	Yes		
Description			
Hello,			
trying to mirror gcr.io/google-containers/etcd, I encountered that issue during a sync:			
<pre>2019-01-15 12:54:13,606 - INFO - Response body : { "exception": null, "task_type": "pulp.server.managers.repo.sync.sync", "_href": "/pulp/api/v2/tasks/291a8d9d-4b84-4aeb-af0f-2772e8ade987/", "task_id": "291a8d9d-4b84-4aeb-af0f-2772e8ade987", "tags": ["pulp:repository:etcd-gcr2", "pulp:action:sync"], "finish_time": "2019-01-15T20:54:12Z", "_ns": "task_status", "start_time": "2019-01-15T20:54:09Z", "traceback": "Traceback (most recent call last):\n File \" /usr/lib/python2.7/site-packages/celery/app/trace.py\", line 367, in trace_task\n R = retval = fun(*args, **kwargs)\n File \" /usr/lib/python2.7/site-packages/pulp/server/async/tasks.py\", line 529, in __call__\n return super(Task, self).__call__(*args, **kwargs)\n File \" /usr/lib/python2.7/site-packages/pulp/server/async/tasks.py\", line 107, in __call__\n return super(PulpTask, self).__call__(*args, **kwargs)\n File \" /usr/lib/python2.7/site-packages/celery/app/trace.py\", line 622, in __protected_call__\n return self.run(*args, **kwargs)\n File \" /usr/lib/python2.7/site-packages/pulp/server/controllers/repository.py\", line 770, in sync\n sync_report = sync_repo(transfer_repo, conduit, call_config)\n File \" /usr/lib/python2.7/site-packages/pulp/server/async/tasks.py\", line 737, in wrap_f\n return f(*args, **kwargs)\n File \" /usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/importer.py\" , line 85, in sync_repo\n return self.sync_step.process_lifecycle()\n File \" /usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\" , line 572, in process_lifecycle\n super(PluginStep, self).process_lifecycle()\n File \" /usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\" , line 163, in process_lifecycle\n step.process()\n File \" /usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\", line 256, in process\n self._process_block()\n File \" /usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\", line 303, in _process_block\n self.process_main()\n File \" /usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\" , line 237, in process_main\n</pre>			

```

self._process_manifest_list(manifest, digest, available_blobs, tag)\n File \"
/usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\"
, line 283, in _process_manifest_list\n
    self._process_manifest(manifest, digest, available_blobs, tag=tag)\n File \"
/usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\"
, line 313, in _process_manifest\n    manifest = models.Manifest.from_json(manifest, digest)\n
File \"/usr/lib/python2.7/site-packages/pulp_docker/plugins/models.py\", line 219, in from_json
\n    fs_layers = [FSLayer(blob_sum=layer['blobSum']) for layer in manifest['fsLayers']]\n
KeyError: 'fsLayers'\n",
"spawned_tasks": [],
"progress_report": {
    "docker_importer": [
        {
            "num_success": 5,
            "description": "Downloading manifests",
            "step_type": "sync_step_metadata",
            "items_total": 1,
            "state": "FAILED",
            "error_details": [
                {
                    "traceback": " File \"
/usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\", line 256, in process\n
self._process_block()\n\n File \"
/usr/lib/python2.7/site-packages/pulp/plugins/util/publish_step.py\", line 303, in _process_block
\n    self.process_main()\n\n File \"
/usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\"
, line 237, in process_main\n
    self._process_manifest_list(manifest, digest, available_blobs, tag)\n\n File \"
/usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\"
, line 283, in _process_manifest_list\n
    self._process_manifest(manifest, digest, available_blobs, tag=tag)\n\n File \"
/usr/lib/python2.7/site-packages/pulp_docker/plugins/importers/sync.py\"
, line 313, in _process_manifest\n    manifest = models.Manifest.from_json(manifest, digest)\n\n
File \"/usr/lib/python2.7/site-packages/pulp_docker/plugins/models.py\", line 219, in from_json
\n    fs_layers = [FSLayer(blob_sum=layer['blobSum']) for layer in manifest['fsLayers']]\n",
            "error": "'fsLayers'"
        }
    ],
    "details": "",
    "num_failures": 1,
    "step_id": "77747e24-bc58-46ed-b5a2-60c21ba5c5ad",
    "num_processed": 6
},
{
    "num_success": 0,
    "description": "Copying units already in pulp",
    "step_type": "get_local",
    "items_total": 1,
    "state": "NOT_STARTED",
    "error_details": [],
    "details": "",
    "num_failures": 0,
    "step_id": "695588b1-9004-4bce-ac6a-4f20bb1209c8",
    "num_processed": 0
},
{
    "num_success": 0,
    "description": "Copying units already in pulp",
    "step_type": "get_local",
    "items_total": 1,
    "state": "NOT_STARTED",
    "error_details": [],
    "details": "",
    "num_failures": 0,
    "step_id": "d211ca5e-bcf5-49df-a390-0e0016b4246f",
    "num_processed": 0
},

```

```

{
  "num_success": 0,
  "description": "Downloading remote files",
  "step_type": "sync_step_download",
  "items_total": 1,
  "state": "NOT_STARTED",
  "error_details": [],
  "details": "",
  "num_failures": 0,
  "step_id": "d627e410-d608-4a89-bec1-9709a1172821",
  "num_processed": 0
},
{
  "num_success": 0,
  "description": "Saving Manifests and Blobs",
  "step_type": "sync_step_save",
  "items_total": 1,
  "state": "NOT_STARTED",
  "error_details": [],
  "details": "",
  "num_failures": 0,
  "step_id": "23d120bd-01d3-40b8-ac6c-2cd434aed12f",
  "num_processed": 0
},
{
  "num_success": 0,
  "description": "Saving Tags",
  "step_type": "sync_step_save",
  "items_total": 1,
  "state": "NOT_STARTED",
  "error_details": [],
  "details": "",
  "num_failures": 0,
  "step_id": "97e64823-ef75-4406-ba71-fe7b8a081e61",
  "num_processed": 0
}
]
},

```

Changing the source repository to quay.io/etcd works though.

I tried deleting the repo in pulp and re-create it or whitelisting a single tag, no luck.

Here are the repository details:

Importers:

Config:

```

Feed:          https://gcr.io
Tags:          3.2.24
Upstream Name: google-containers/etcd

```

```

Id:            docker_importer
Importer Type Id:  docker_importer
Last Override Config:
Last Sync:     2019-01-15T20:54:12Z
Last Updated:  2019-01-15T20:53:58Z
Repo Id:       etcd-gcr2
Scratchpad:    None

```

Distributors:

```

Auto Publish:  True
Config:
Repo-registry-id: google-containers/etcd2
Distributor Type Id:  docker_distributor_web
Id:            docker_web_distributor_name_cli
Last Override Config:
Last Publish:  None
Last Updated:  2019-01-15T20:53:58Z
Repo Id:       etcd-gcr2
Scratchpad:

```

```
Auto Publish:      False
Config:
  Repo-registry-id: google-containers/etcd2
Distributor Type Id: docker_distributor_export
Id:                docker_export_distributor_name_cli
Last Override Config:
Last Publish:      None
Last Updated:      2019-01-15T20:53:58Z
Repo Id:           etcd-gcr2
```

Associated revisions

Revision a7f704ff - 02/12/2019 02:38 PM - ipanova@redhat.com

Check for returned mediatype from the registry

closes #4328 <https://pulp.plan.io/issues/4328>

Revision a7f704ff - 02/12/2019 02:38 PM - ipanova@redhat.com

Check for returned mediatype from the registry

closes #4328 <https://pulp.plan.io/issues/4328>

Revision d09e8b48 - 03/19/2019 12:34 PM - ipanova@redhat.com

Check for returned mediatype from the registry

closes #4328 <https://pulp.plan.io/issues/4328>

(cherry picked from commit a7f704ff5a7de13be2a17735a3c22f5d5aa00e61)

Revision d09e8b48 - 03/19/2019 12:34 PM - ipanova@redhat.com

Check for returned mediatype from the registry

closes #4328 <https://pulp.plan.io/issues/4328>

(cherry picked from commit a7f704ff5a7de13be2a17735a3c22f5d5aa00e61)

History

#1 - 01/18/2019 05:17 PM - ipanova@redhat.com

can you please share the version of pulp and pulp_docker you have installed?thank you.

if it is older than 2.13 then i advise you to upgrade <https://pulp.plan.io/issues/2099>
reason why quay works, because it supports schema1

in your particular case, the tag you query goes not support schema1

```
$ curl -L -H "Accept: application/vnd.docker.distribution.manifest.v1+json" -X GET 'https://gcr.io/v2/google-containers/etcd/manifests/3.2.24'
{"errors":[{"code":"MANIFEST_UNKNOWN","message":"Manifest with tag '3.2.24' has media type 'application/vnd.docker.distribution.manifest.list.v2+json', but client accepts 'application/vnd.docker.distribution.manifest.v1+json'."}]}
```

#2 - 01/22/2019 04:14 PM - ttereshc

- Project changed from Pulp to Docker Support

- Category changed from 15 to 17

#3 - 01/22/2019 04:15 PM - ttereshc

- Category deleted (17)

#4 - 01/22/2019 04:55 PM - ipanova@redhat.com

- Status changed from NEW to CLOSED - NOTABUG

please re-open in case c#1 does not cover your case.

#5 - 02/04/2019 08:01 PM - EppO

Here is my pulp stack:

- pulp-admin-client-2.18.0-2.el7.noarch
- pulp-docker-admin-extensions-3.2.2-1.el7.noarch
- pulp-docker-plugins-3.2.2-1.el7.noarch
- pulp-nodes-admin-extensions-2.18.0-2.el7.noarch
- pulp-nodes-common-2.18.0-2.el7.noarch
- pulp-ostree-admin-extensions-1.3.1-1.el7.noarch
- pulp-ostree-plugins-1.3.1-1.el7.noarch
- pulp-puppet-admin-extensions-2.18.0-1.el7.noarch
- pulp-puppet-plugins-2.18.0-1.el7.noarch
- pulp-puppet-tools-2.18.0-1.el7.noarch
- pulp-python-admin-extensions-2.0.3-1.el7.noarch
- pulp-python-plugins-2.0.3-1.el7.noarch
- pulp-rpm-admin-extensions-2.18.0-1.el7.noarch
- pulp-rpm-plugins-2.18.0-1.el7.noarch
- pulp-selinux-2.18.0-2.el7.noarch
- pulp-server-2.18.0-2.el7.noarch
- python-pulp-bindings-2.18.0-2.el7.noarch
- python-pulp-client-lib-2.18.0-2.el7.noarch
- python-pulp-common-2.18.0-2.el7.noarch
- python-pulp-docker-common-3.2.2-1.el7.noarch
- python-pulp-oid_validation-2.18.0-2.el7.noarch
- python-pulp-ostree-common-1.3.1-1.el7.noarch
- python-pulp-puppet-common-2.18.0-1.el7.noarch
- python-pulp-python-common-2.0.3-1.el7.noarch
- python-pulp-repoauth-2.18.0-2.el7.noarch
- python-pulp-rpm-common-2.18.0-1.el7.noarch
- python-pulp-streamer-2.18.0-2.el7.noarch

I find it surprising that gcr.io doesn't support schema v2. It works for other images on gcr.io

#6 - 02/04/2019 08:31 PM - EppO

Can't reopen myself the issue, but it's still happening and I have latest release of pulp 2.x

#7 - 02/08/2019 03:05 PM - ipanova@redhat.com

re-opened on request. We need to test and try to reproduce

@EppO

gcr as a registry does support schema1. It is some of the images which are stored only in schema2 format and afiak gcr does not do conversion on the fly of schema2-->schema1

#8 - 02/08/2019 03:40 PM - ipanova@redhat.com

- Status changed from CLOSED - NOTABUG to NEW

```
pulp-admin docker repo create --repo-id=gcr --feed=https://gcr.io --upstream-name=google-containers/etcd
pulp-admin -vv docker repo sync run --repo-id gcr
```

```
$ pulp-admin -vv tasks details --task-id 35522fa6-955f-4224-90ac-f7a2c976464a
Warning: path should have mode 0700 because it may contain sensitive information: /home/ipanova/.pulp/
```

```
+-----+
|                               | Task Details                               |
+-----+

2019-02-08 15:40:02,767 - DEBUG - sending GET request to /pulp/api/v2/tasks/35522fa6-955f-4224-90ac-f7a2c976464a/
2019-02-08 15:40:02,862 - INFO - GET request to /pulp/api/v2/tasks/35522fa6-955f-4224-90ac-f7a2c976464a/ with
parameters None
2019-02-08 15:40:02,862 - INFO - Response status : 200

2019-02-08 15:40:02,862 - INFO - Response body :
{
  "exception": null,
  "task_type": "pulp.server.managers.repo.sync.sync",
  "_href": "/pulp/api/v2/tasks/35522fa6-955f-4224-90ac-f7a2c976464a/",
  "task_id": "35522fa6-955f-4224-90ac-f7a2c976464a",
  "tags": [
    "pulp:repository:gcr",
    "pulp:action:sync"
  ],
  "finish_time": "2019-02-08T14:37:03Z",
```

```

    "_ns": "task_status",
    "start_time": "2019-02-08T14:36:16Z",
    "traceback": "Traceback (most recent call last):\n File \"/usr/lib/python2.7/site-packages/celery/app/trace.py", line 367, in trace_task\n R = retval = fun(*args, **kwargs)\n File \"/home/ipanova/pulp_development/pulp/server/pulp/server/async/tasks.py", line 529, in __call__\n return super(Task, self).__call__(*args, **kwargs)\n File \"/home/ipanova/pulp_development/pulp/server/pulp/server/async/tasks.py", line 107, in __call__\n return super(PulpTask, self).__call__(*args, **kwargs)\n File \"/usr/lib/python2.7/site-packages/celery/app/trace.py", line 622, in __protected_call__\n return self.run(*args, **kwargs)\n File \"/home/ipanova/pulp_development/pulp/server/pulp/server/controllers/repository.py", line 770, in sync\n sync_report = sync_repo(transfer_repo, conduit, call_config)\n File \"/home/ipanova/pulp_development/pulp/server/pulp/server/async/tasks.py", line 737, in wrap_f\n return f(*args, **kwargs)\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/importers/importer.py", line 85, in sync_repo\n return self.sync_step.process_lifecycle()\n File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 572, in process_lifecycle\n super(PluginStep, self).process_lifecycle()\n File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 163, in process_lifecycle\n step.process()\n File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 256, in process\n self._process_block()\n File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 303, in _process_block\n self.process_main()\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/importers/sync.py", line 237, in process_main\n self._process_manifest_list(manifest, digest, available_blobs, tag)\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/importers/sync.py", line 283, in _process_manifest_list\n self._process_manifest(manifest, digest, available_blobs, tag=tag)\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/importers/sync.py", line 313, in _process_manifest\n manifest = models.Manifest.from_json(manifest, digest)\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker/plugins/models.py", line 219, in from_json\n fs_layers = [FSLayer(blob_sum=layer['blobSum']) for layer in manifest['fsLayers']]\n KeyError: 'fsLayers'\n",
    "spawned_tasks": [],
    "progress_report": {
      "docker_importer": [
        {
          "num_success": 100,
          "description": "Downloading manifests",
          "step_type": "sync_step_metadata",
          "items_total": 71,
          "state": "FAILED",
          "error_details": [
            {
              "traceback": " File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 256, in process\n self._process_block()\n\n File \"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/publish_step.py", line 303, in _process_block\n self.process_main()\n\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker/plugins/importers/sync.py", line 237, in process_main\n self._process_manifest_list(manifest, digest, available_blobs, tag)\n\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker/plugins/importers/sync.py", line 283, in _process_manifest_list\n self._process_manifest(manifest, digest, available_blobs, tag=tag)\n\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker/plugins/importers/sync.py", line 313, in _process_manifest\n manifest = models.Manifest.from_json(manifest, digest)\n\n File \"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker/plugins/models.py", line 219, in from_json\n fs_layers = [FSLayer(blob_sum=layer['blobSum']) for layer in manifest['fsLayers']]\n",
              "error": "'fsLayers'"
            }
          ],
          "details": "",
          "num_failures": 1,
          "step_id": "3358cefd-f518-44ac-b9e3-c62504a36bc4",
          "num_processed": 101
        },
        {
          "num_success": 0,
          "description": "Copying units already in pulp",
          "step_type": "get_local",
          "items_total": 1,
          "state": "NOT_STARTED",
          "error_details": [],
          "details": "",
          "num_failures": 0,
          "step_id": "174fc073-2fe5-43d1-ab17-8aacc0edc617",
          "num_processed": 0
        },
        {
          "num_success": 0,
          "description": "Copying units already in pulp",
          "step_type": "get_local",
          "items_total": 1,
          "state": "NOT_STARTED",
          "error_details": [],

```

```

    "details": "",
    "num_failures": 0,
    "step_id": "94ea98c6-e665-4b37-8a3c-e88a6cc9ae07",
    "num_processed": 0
  },
  {
    "num_success": 0,
    "description": "Downloading remote files",
    "step_type": "sync_step_download",
    "items_total": 1,
    "state": "NOT_STARTED",
    "error_details": [],
    "details": "",
    "num_failures": 0,
    "step_id": "796fff61-a4b4-492c-9dca-e899f6265251",
    "num_processed": 0
  },
  {
    "num_success": 0,
    "description": "Saving Manifests and Blobs",
    "step_type": "sync_step_save",
    "items_total": 1,
    "state": "NOT_STARTED",
    "error_details": [],
    "details": "",
    "num_failures": 0,
    "step_id": "b0ae0015-53f9-4315-8302-cc26ac6a93fd",
    "num_processed": 0
  },
  {
    "num_success": 0,
    "description": "Saving Tags",
    "step_type": "sync_step_save",
    "items_total": 1,
    "state": "NOT_STARTED",
    "error_details": [],
    "details": "",
    "num_failures": 0,
    "step_id": "419fcd20-322e-4af6-a518-6199b224a0e5",
    "num_processed": 0
  }
]
},
"queue": "reserved_resource_worker-0@ina.usersys.redhat.com.dq2",
"state": "error",
"worker_name": "reserved_resource_worker-0@ina.usersys.redhat.com",
"result": null,
"error": {
  "code": "PLP0000",
  "data": {},
  "description": "'fsLayers'",
  "sub_errors": []
},
"_id": {
  "$oid": "5c5d93e00c8a45468e11f8eb"
},
"id": "5c5d93e00c8a45468e11f8eb"
}

```

```

Operations:      sync
Resources:      gcr (repository)
State:          Failed
Start Time:     2019-02-08T14:36:16Z
Finish Time:    2019-02-08T14:37:03Z
Result:         N/A
Task Id:        35522fa6-955f-4224-90ac-f7a2c976464a
Worker Name:    reserved_resource_worker-0@ina.usersys.redhat.com
Progress Report:
  Docker Importer:
    Description:  Downloading manifests
    Details:
  Error Details:
    Error:       'fsLayers'
    Traceback:   File
                 "/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/p

```

```

ublish_step.py", line 256, in process      self._process_block()
File
"/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/p
ublish_step.py", line 303, in _process_block
self.process_main()      File
"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker
/plugins/importers/sync.py", line 237, in process_main
self._process_manifest_list(manifest, digest, available_blobs,
tag)      File
"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker
/plugins/importers/sync.py", line 283, in
_process_manifest_list      self._process_manifest(manifest,
digest, available_blobs, tag=tag)      File
"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker
/plugins/importers/sync.py", line 313, in _process_manifest
manifest = models.Manifest.from_json(manifest, digest)      File
"/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docker
/plugins/models.py", line 219, in from_json      fs_layers =
[FSLayer(blob_sum=layer['blobSum']) for layer in
manifest['fsLayers']]

```

```

Items Total:      71
Num Failures:    1
Num Processed:  101
Num Success:     100
State:           FAILED
Step Id:         3358cefd-f518-44ac-b9e3-c62504a36bc4
Step Type:       sync_step_metadata
Description:     Copying units already in pulp
Details:
Error Details:
Items Total:    1
Num Failures:  0
Num Processed: 0
Num Success:   0
State:          NOT_STARTED
Step Id:        174fc073-2fe5-43d1-ab17-8aacc0edc617
Step Type:      get_local
Description:    Copying units already in pulp
Details:
Error Details:
Items Total:    1
Num Failures:  0
Num Processed: 0
Num Success:   0
State:          NOT_STARTED
Step Id:        94ea98c6-e665-4b37-8a3c-e88a6cc9ae07
Step Type:      get_local
Description:    Downloading remote files
Details:
Error Details:
Items Total:    1
Num Failures:  0
Num Processed: 0
Num Success:   0
State:          NOT_STARTED
Step Id:        796fff61-a4b4-492c-9dca-e899f6265251
Step Type:      sync_step_download
Description:    Saving Manifests and Blobs
Details:
Error Details:
Items Total:    1
Num Failures:  0
Num Processed: 0
Num Success:   0
State:          NOT_STARTED
Step Id:        b0ae0015-53f9-4315-8302-cc26ac6a93fd
Step Type:      sync_step_save
Description:    Saving Tags
Details:
Error Details:
Items Total:    1
Num Failures:  0
Num Processed: 0
Num Success:   0
State:          NOT_STARTED

```



```

Step Id:      419fcd20-322e-4af6-a518-6199b224a0e5
Step Type:   sync_step_save
Traceback:   Traceback (most recent call last):  File
              "/usr/lib/python2.7/site-packages/celery/app/trace.py", line
              367, in trace_task      R = retval = fun(*args, **kwargs)
              File
              "/home/ipanova/pulp_development/pulp/server/pulp/server/async/
              tasks.py", line 529, in __call__      return super(Task,
              self).__call__(*args, **kwargs)  File
              "/home/ipanova/pulp_development/pulp/server/pulp/server/async/
              tasks.py", line 107, in __call__      return super(PulpTask,
              self).__call__(*args, **kwargs)  File
              "/usr/lib/python2.7/site-packages/celery/app/trace.py", line
              622, in __protected_call__      return self.run(*args,
              **kwargs)  File
              "/home/ipanova/pulp_development/pulp/server/pulp/server/contro
              llers/repository.py", line 770, in sync      sync_report =
              sync_repo(transfer_repo, conduit, call_config)  File
              "/home/ipanova/pulp_development/pulp/server/pulp/server/async/
              tasks.py", line 737, in wrap_f      return f(*args, **kwargs)
              File
              "/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docke
              r/plugins/importers/importer.py", line 85, in sync_repo
              return self.sync_step.process_lifecycle()  File
              "/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/
              publish_step.py", line 572, in process_lifecycle
              super(PluginStep, self).process_lifecycle()  File
              "/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/
              publish_step.py", line 163, in process_lifecycle
              step.process()  File
              "/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/
              publish_step.py", line 256, in process
              self._process_block()  File
              "/home/ipanova/pulp_development/pulp/server/pulp/plugins/util/
              publish_step.py", line 303, in _process_block
              self.process_main()  File
              "/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docke
              r/plugins/importers/sync.py", line 237, in process_main
              self._process_manifest_list(manifest, digest, available_blobs,
              tag)  File
              "/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docke
              r/plugins/importers/sync.py", line 283, in
              _process_manifest_list      self._process_manifest(manifest,
              digest, available_blobs, tag=tag)  File
              "/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docke
              r/plugins/importers/sync.py", line 313, in _process_manifest
              manifest = models.Manifest.from_json(manifest, digest)  File
              "/home/ipanova/pulp_development/pulp_docker/plugins/pulp_docke
              r/plugins/models.py", line 219, in from_json      fs_layers =
              [FSLayer(blob_sum=layer['blobSum']) for layer in
              manifest['fsLayers']] KeyError: 'fsLayers'

```

```
[ipanova@ina pulp]$
```

#9 - 02/08/2019 04:24 PM - ipanova@redhat.com

the issue is here https://github.com/pulp/pulp_docker/blob/2-master/plugins/pulp_docker/plugins/importers/sync.py#L281

Registry is supposed to return the the older format(if available) in case in accept header nothing is specified. GCR instead returns manifest list.

```

$curl -i -L -X GET 'https://gcr.io/v2/google-containers/etcd/manifests/3.2.24'
HTTP/2 200
docker-distribution-api-version: registry/2.0
content-type: application/vnd.docker.distribution.manifest.list.v2+json
content-length: 1665
docker-content-digest: sha256:905d7ca17fd02bc24c0eba9a062753aba15db3e31422390bc3238eb762339b20
date: Fri, 08 Feb 2019 15:15:19 GMT
server: Docker Registry
x-xss-protection: 1; mode=block
x-frame-options: SAMEORIGIN
alt-svc: quic=":443"; ma=2592000; v="44,43,39"

{
  "schemaVersion": 2,
  "mediaType": "application/vnd.docker.distribution.manifest.list.v2+json",

```

```

"manifests": [
  {
    "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
    "size": 950,
    "digest": "sha256:7b073bdab8c52dc23dfb3e2101597d30304437869ad8c0b425301e96a066c408",
    "platform": {
      "architecture": "amd64",
      "os": "linux"
    }
  },
  {
    "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
    "size": 950,
    "digest": "sha256:4f93210747a2150605fdbbc764a86b549824f322f2168b7c762bd4e9a9a264860",
    "platform": {
      "architecture": "arm",
      "os": "linux"
    }
  },
  {
    "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
    "size": 950,
    "digest": "sha256:f1dcb048bb5a5c6d74e07db03f0a006a8bdcea4dc034722d1d9e24da15901390",
    "platform": {
      "architecture": "arm64",
      "os": "linux"
    }
  },
  {
    "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
    "size": 951,
    "digest": "sha256:bf275fe898f9efda3db428e3287970b348a7e60d1086af36770aa78c9caec886",
    "platform": {
      "architecture": "ppc64le",
      "os": "linux"
    }
  },
  {
    "mediaType": "application/vnd.docker.distribution.manifest.v2+json",
    "size": 951,
    "digest": "sha256:857376ef4d252c5ce1817902216dc92fedcc133a225144b3a427e5f89c88a17f",
    "platform": {
      "architecture": "s390x",
      "os": "linux"
    }
  }
]

```

check for the reference <https://docs.docker.com/registry/spec/manifest-v2-2/#backward-compatibility>

If the manifest being requested uses the new format, and the appropriate media type is not present in an Accept header, the registry will assume that the client cannot handle the manifest as-is, and rewrite it on the fly into the old format. If the object that would otherwise be returned is a manifest list, the registry will look up the appropriate manifest for the amd64 platform and linux OS, rewrite that manifest into the old format if necessary, and return the result to the client. If no suitable manifest is found in the manifest list, the registry will return a 404 error.

#10 - 02/08/2019 05:46 PM - ipanova@redhat.com

- Status changed from NEW to ASSIGNED
- Assignee set to ipanova@redhat.com
- Triaged changed from No to Yes
- Sprint set to Sprint 48

#11 - 02/13/2019 01:35 PM - amacdona@redhat.com

- Status changed from ASSIGNED to POST

https://github.com/pulp/pulp_docker/pull/308/

#12 - 02/13/2019 03:13 PM - ipanova@redhat.com

- Status changed from POST to MODIFIED

Applied in changeset [pulp_docker|a7f704ff5a7de13be2a17735a3c22f5d5aa00e61](#).

#13 - 03/03/2019 08:36 PM - ipanova@redhat.com

Applied in changeset [a7f704ff5a7de13be2a17735a3c22f5d5aa00e61](#).

#14 - 03/14/2019 05:16 PM - ttereshc

- *Platform Release set to 2.19.0*

#15 - 03/14/2019 05:23 PM - ttereshc

- *Sprint/Milestone set to 2.19.0*

#16 - 03/19/2019 12:34 PM - ipanova@redhat.com

Applied in changeset [pulp_docker|d09e8b489d1ca1cb351a319e5e77c70df02244ea](#).

#17 - 03/20/2019 10:03 AM - ttereshc

- *Status changed from MODIFIED to 5*

#18 - 03/23/2019 07:16 PM - ipanova@redhat.com

- *Status changed from 5 to MODIFIED*

Applied in changeset [d09e8b489d1ca1cb351a319e5e77c70df02244ea](#).

#19 - 04/02/2019 10:52 PM - ttereshc

- *Status changed from MODIFIED to CLOSED - CURRENTRELEASE*

#21 - 04/15/2019 10:03 PM - bmbouter

- *Tags Pulp 2 added*