

Docker Support - Issue #3749

Skip upload of the foreign layers

06/08/2018 03:36 PM - ipanova@redhat.com

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

Description

Some images like windows base images, contain artifacts whose distribution is restricted by license.

These artifacts are called foreign layers.

We should not upload these layers from the skopeo copy output.

- skopeo copy dir transport downloads foreign layers

We will check the mediatype of the layer and skip the upload of the foreign layers.

```
[ipanova@ina tips]$ sudo skopeo copy docker://portainer/portainer:windows-amd64-1.13.0 dir:existingemptydirectory2
Getting image source signatures
Copying blob sha256:bce2fbc256ea437a87dadac2f69aab25bed4f56255549090056c1131fad0277
 240.98 MB / 240.98 MB [=====] 2m57s
Copying blob sha256:4a8c367fd46d2e2da2a8b0fa02158540e13b3a9015daf9f17d1af354a591492f
 116.32 MB / 116.32 MB [=====] 2m11s
Copying blob sha256:feedefe2c110863b761bb71ba7199fefef1058afecbe68752d051c2ca0899e266
 3.51 MB / 3.51 MB [=====] 0s
Copying blob sha256:bb652e12abcfb1b0681c29dcff44a842f54869d6a5d6c57de1523b275af77c17
 952 B / 952 B [=====] 0s
Copying blob sha256:4addfdf3b551b41da10b28fb9e0e0702d568e68ce2330183220384358f0f7d9c
 947 B / 947 B [=====] 0s
Copying blob sha256:ad5cdb7aa1e047a4ac348b74b5652c8a16fcb3dd013c288f8e65a095995c1d4
 948 B / 948 B [=====] 0s
Copying blob sha256:6bd5a5818cacdc9744192da603a8765e793ac1b5dcb1bf1efacbe81df875ea06
 943 B / 943 B [=====] 0s
Copying config sha256:7cc9ff24526dfffdb8c188e6bae7e11d75d1ac5731d85e6fdccd5c7382d84207
 2.31 KB / 2.31 KB [=====] 0s
Writing manifest to image destination
Storing signatures
[ipanova@ina tips]$ ll existingemptydirectory2/
total 369524
-rw-r--r--. 1 root root 121971948 Jun  8 13:38 4a8c367fd46d2e2da2a8b0fa02158540e13b3a9015daf9f17d1
af354a591492f
-rw-r--r--. 1 root root      947 Jun  8 13:38 4addfdf3b551b41da10b28fb9e0e0702d568e68ce2330183220
384358f0f7d9c
-rw-r--r--. 1 root root      943 Jun  8 13:38 6bd5a5818cacdc9744192da603a8765e793ac1b5dcb1bf1efac
be81df875ea06
-rw-r--r--. 1 root root    2369 Jun  8 13:38 7cc9ff24526dfffdb8c188e6bae7e11d75d1ac5731d85e6fdcc
d5c7382d84207
-rw-r--r--. 1 root root      948 Jun  8 13:38 ad5cdb7aa1e047a4ac348b74b5652c8a16fcb3dd013c288f8e
65a095995c1d4
-rw-r--r--. 1 root root      952 Jun  8 13:38 bb652e12abcfb1b0681c29dcff44a842f54869d6a5d6c57de15
```

```
23b275af77c17
-rw-r--r--. 1 root root 252691002 Jun  8 13:36 bce2fbc256ea437a87dadac2f69aabd25bed4f5625554909005
6c1131fad0277
-rw-r--r--. 1 root root 3684048 Jun  8 13:38 feedefe2c110863b761bb71ba7199fefe1058afecbe68752d05
1c2ca0899e266
-rw-r--r--. 1 root root 1982 Jun  8 13:38 manifest.json
-rw-r--r--. 1 root root 33 Jun  8 13:33 version
```

```
$ ./done-docker-token portainer/portainer:windows-amd64-1.13.0
```

```
{
  "schemaVersion": 2,
  "config": {
    "digest": "sha256:7cc9ff24526dffffdb8c188e6bae7e11d75d1ac5731d85e6fdccd5c7382d84207",
    "size": 2369,
    "mediaType": "application/vnd.docker.container.image.v1+json"
  },
  "layers": [
    {
      "digest": "sha256:bce2fbc256ea437a87dadac2f69aabd25bed4f56255549090056c1131fad0277",
      "size": 252691002,
      "mediaType": "application/vnd.docker.image.rootfs.foreign.diff.tar.gzip",
      "urls": [
        "https://go.microsoft.com/fwlink/?linkid=837858"
      ]
    },
    {
      "digest": "sha256:4a8c367fd46d2e2da2a8b0fa02158540e13b3a9015daf9f17d1af354a591492f",
      "size": 121971948,
      "mediaType": "application/vnd.docker.image.rootfs.foreign.diff.tar.gzip",
      "urls": [
        "https://go.microsoft.com/fwlink/?linkid=848906"
      ]
    },
    {
      "digest": "sha256:feedefe2c110863b761bb71ba7199fefe1058afecbe68752d051c2ca0899e266",
      "size": 3684048,
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    },
    {
      "digest": "sha256:bb652e12abcfb1b0681c29dcaff44a842f54869d6a5d6c57de1523b275af77c17",
      "size": 952,
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    },
    {
      "digest": "sha256:4addfdf3b551b41da10b28fb9e0e0702d568e68ce2330183220384358f0f7d9c",
      "size": 947,
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    },
    {
      "digest": "sha256:ad5cdcb7aa1e047a4ac348b74b5652c8a16fcb3dd013c288f8e65a095995c1d4",
      "size": 948,
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    },
    {
      "digest": "sha256:6bd5a5818cacdc9744192da603a8765e793ac1b5dcb1bf1efacbe81df875ea06",
      "size": 943,
      "mediaType": "application/vnd.docker.image.rootfs.diff.tar.gzip"
    }
  ],
  "mediaType": "application/vnd.docker.distribution.manifest.v2+json"
}
```

History

#1 - 06/08/2018 03:36 PM - ipanova@redhat.com

- Description updated

#2 - 06/08/2018 04:55 PM - ipanova@redhat.com

- Status changed from NEW to CLOSED - WORKSFORME

we already have this covered https://github.com/pulp/pulp_docker/blame/master/plugins/pulp_docker/plugins/importers/upload.py#L257

#3 - 03/14/2019 03:22 PM - bherring

- Related to Test #4543: Test newly described definitions of recursive and recursive_conservative flags added

#4 - 03/14/2019 03:22 PM - bherring

- Related to deleted (Test #4543: Test newly described definitions of recursive and recursive_conservative flags)

#5 - 04/15/2019 10:10 PM - bmbouter

- Tags Pulp 2 added