Docker Support - Issue #2123

Layers are saved in gzip format when images are uploaded

08/02/2016 06:20 PM - dkliban@redhat.com

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

Description

It looks like Pulp uses gzip[0] to compress layers when they are uploaded. However, no such compression occurs on the sync[1].

[0] https://github.com/pulp/pulp_docker/blob/master/plugins/pulp_docker/plugins/importers/upload.py#L159
[1] https://github.com/pulp/pulp_docker/blob/master/plugins/pulp_docker/plugins/importers/v1_sync.py#L158

History

#1 - 08/03/2016 11:32 PM - dkliban@redhat.com

- Description updated

#2 - 08/05/2016 04:26 PM - mhrivnak

This is just because the format of data output by "docker save" is different than the format of data made available by the v1 API. When doing a sync, the layers retrieved have already been compressed. For unknown reasons, the output of "docker save" created uncompressed files. I think pulp's behavior is correct, unless you saw something to the contrary?

#3 - 08/09/2016 02:43 PM - dkliban@redhat.com

I saw that you you can end up with a mixture of layer formats. If you sync some content from a registry and upload other content into a repository, Pulp ends up storing some layers in compressed format and others as uncompressed tars.

#4 - 08/09/2016 04:15 PM - mhrivnak

Can you add some info on the consequences of this? Does docker complain or break in some way when it tries to access such a repo?

#5 - 08/09/2016 04:33 PM - jluza

I don't think it breaks anything. Uncompressed layers just take more space.

#6 - 08/09/2016 04:43 PM - dkliban@redhat.com

- Status changed from NEW to CLOSED - NOTABUG

I don't have an example of how this adversely affects docker client when accessing the repos. The problem that was being observed was due to a misconfiguration of the web server that was serving the images. The Content-Encoding header was getting set to x-gzip all the time - even when the layer was not gzipped. This is not a bug in pulp docker.

#7 - 04/15/2019 10:26 PM - bmbouter

- Tags Pulp 2 added