

## Docker Support - Issue #1256

### The httpd configuration is not acceptable to the Docker client

09/17/2015 05:42 PM - rbarlow

<b>Status:</b>	CLOSED - CURRENTRELEASE	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	rbarlow	<b>Estimated time:</b>	0:00 hour
<b>Category:</b>			
<b>Sprint/Milestone:</b>			
<b>Severity:</b>	2. Medium	<b>Groomed:</b>	No
<b>Version - Docker:</b>	master	<b>Sprint Candidate:</b>	No
<b>Platform Release:</b>	2.8.0	<b>Tags:</b>	Pulp 2
<b>Target Release - Docker:</b>	2.0.0	<b>Sprint:</b>	
<b>OS:</b>		<b>Quarter:</b>	
<b>Triaged:</b>	Yes		

#### Description

There are a few issues with the httpd configuration for Docker v2:

- Docker is written in Go and thus it suffers from this bug:  
<https://github.com/golang/go/issues/5742>  
We need to rework the httpd config so that it works around this limitation.
- The default httpd configuration in Fedora uses mod\_mime\_magic, which adds content-type and content-encoding headers to the responses. These headers confuse the Docker client, so we should configure httpd not to do that for these paths.
- The SSL options in the current config do not make much sense. They do things like exporting the client certificate into the environment, when this config only serves flat files. It also has strange client certificate settings when client certificates are not required for these views.
- The Docker client may expect to see the Docker-Distribution-API-Version set to registry/2.0 on all requests.

#### Associated revisions

##### Revision 633977ad - 09/24/2015 05:36 PM - rbarlow

Reconfigure the httpd vhost to better suit the Docker client.

This commit fixes a few issues with the httpd configuration for Docker v2:

- Docker is written in Go and thus it suffers from this bug:  
<https://github.com/golang/go/issues/5742>  
  
This commit removes most SSL directives from the httpd configuration because they were causing httpd to want to renegotiate with the client (causing the issue), and they were unnecessary to begin with. The SSL options in the config did not make much sense. They did things like exporting the client certificate into the environment, when this config only serves flat files. It also had strange client certificate settings when client certificates are not required for these views.
- The default httpd configuration in Fedora uses mod\_mime\_magic, which adds content-type and content-encoding headers to the responses. These headers confuse the Docker client, so this commit configures httpd not to do that for these paths.
- The Docker client expects to see the Docker-Distribution-API-Version set to registry/2.0 on all requests.

<https://pulp.plan.io/issues/1256>

fixes #1256

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## History

**#1 - 09/17/2015 05:52 PM - rbarlow**

- Description updated

**#2 - 09/17/2015 05:58 PM - rbarlow**

- Description updated

**#3 - 09/17/2015 06:01 PM - rbarlow**

- Status changed from ASSIGNED to POST

[https://github.com/pulp/pulp\\_docker/pull/93](https://github.com/pulp/pulp_docker/pull/93)

**#4 - 09/18/2015 04:34 PM - mhrivnak**

- Triaged changed from No to Yes

**#5 - 09/28/2015 09:07 PM - rbarlow**

- Status changed from POST to MODIFIED

- % Done changed from 0 to 100

Applied in changeset [633977ad1efd1c85f2d9869479aabe8dfe8e1bc3](#).

**#6 - 11/12/2015 05:14 PM - rbarlow**

- Target Release - Docker changed from master to 2.0.0

**#7 - 02/11/2016 09:16 PM - rbarlow**

- Status changed from MODIFIED to 5

**#8 - 04/26/2016 06:15 PM - rbarlow**

- Status changed from 5 to CLOSED - CURRENTRELEASE

- Platform Release set to 2.8.0

**#9 - 04/15/2019 10:43 PM - bmbouter**

- Tags Pulp 2 added