Arvados - Bug #10969

arv keep docker to check for valid Docker image and version

01/24/2017 07:37 PM - Tom Morris

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
<th>Start date:</th>
<th>02/02/2017</th>
</tr>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Due date:</td>
<td></td>
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<tr>
<td>Assigned To:</td>
<td>Tom Clegg</td>
<td>% Done:</td>
<td>100%</td>
</tr>
<tr>
<td>Category:</td>
<td>Docker</td>
<td>Estimated time:</td>
<td>0.00 hour</td>
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<tr>
<td>Target version:</td>
<td>2017-02-15 sprint</td>
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Description

Add list of supported Docker image format versions to API server discovery document.

arv keep docker to check API server versions and fail if the on-disk format of uploaded image is incompatible.

Subtasks:

Task # 11033: Review 10969-check-docker-format

Resolved

Associated revisions

Revision 74a9defc - 02/03/2017 06:15 PM - Tom Clegg
Merge branch '10969-check-docker-format'
closes #10969

History

#1 - 01/24/2017 07:48 PM - Tom Morris
- Description updated
- Story points set to 1.0

#2 - 02/01/2017 08:48 PM - Tom Clegg
- Category set to Docker
- Assigned To set to Tom Clegg

#3 - 02/02/2017 07:11 PM - Tom Clegg
The two relevant formats are "image manifest V 2, schema 1" and "image manifest V 2, schema 2". We could label those "v2s1" and "v2s2".

Proposed addition to source/services/api/config/application.default.yml:

```yaml
# List of supported Docker image formats that compute nodes are able to run. `arv keep docker` will error out if a user tries to store an image with an unsupported format. With the default value (an empty array), `arv keep docker` will skip the compatibility check # and display a warning message to that effect.
#
# Example for sites running docker < 1.10:
# ["v2s1"]
#
# Example for sites running docker >= 1.10:
# ["v2s2"]
docker_image_formats: []
```

#4 - 02/02/2017 07:17 PM - Ward Vandewege
The addition looks fine, and the specification of format as well.
I think the default should be v2s2, not empty. And we should add a note to the migration wiki page for people who are upgrading.

#5 - 02/02/2017 07:45 PM - Tom Clegg
Hm. Looks like "registry v1" to "registry v2" is the change we're dealing with here, not manifest format. New version:

```yaml
# List of supported Docker Registry image formats that compute nodes are able to use. `arv keep docker` will error out if a user tries
```
# to store an image with an unsupported format. Use an empty array
# to skip the compatibility check (and display a warning message to
# that effect).
#
# Example for sites running docker < 1.10: ["v1"]
# Example for sites running docker >= 1.10: ["v2"]
# Example for disabling check: []
docker_image_formats: ["v2"]

#6 - 02/02/2017 10:33 PM - Tom Clegg
- Status changed from New to In Progress

10969-check-docker-format @ d02bf4d817e50c3c0ee9f5e2dd901c512ea30943

#7 - 02/03/2017 04:30 PM - Lucas Di Pentima
This lgtm, please merge. Thanks!

#8 - 02/03/2017 06:20 PM - Tom Clegg
- Status changed from In Progress to Resolved

Applied in changeset arvados|commit:74a9decf66adc216d3d8b9b7ee8f6e3704d9590d.