

## Arvados - Bug #10969

### arv keep docker to check for valid Docker image and version

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

<b>Status:</b>	Resolved	<b>Start date:</b>	02/02/2017
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assigned To:</b>	Tom Clegg	<b>% Done:</b>	100%
<b>Category:</b>	Docker	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2017-02-15 sprint		
<b>Description</b>			
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.			
<b>Subtasks:</b>			
Task # 11033: Review 10969-check-docker-format			<b>Resolved</b>

#### Associated revisions

##### Revision 74a9decf - 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](#):

```
# 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:

```
# 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 lgtn, please merge. Thanks!

**#8 - 02/03/2017 06:20 PM - Tom Clegg**

- *Status changed from In Progress to Resolved*

Applied in changeset arvados|commit:74a9decf66adc216d3d8bbb7ee8f6e3704d9590d.