

## openQA Project - action #43718

coordination # 80142 (Blocked): [saga][epic] Scale out: Redundant/load-balancing deployments of openQA, easy containers, containers on kubernetes

coordination # 43706 (Blocked): [epic] Generate "download&use" docker image of openQA for SUSE QA

## Docker image for webui and workers are versioned and uploaded to obs registry

2018-11-13 10:24 - SLindoMansilla

<b>Status:</b>	Resolved	<b>Start date:</b>	2018-11-13
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	ilausuch	<b>% Done:</b>	0%
<b>Category:</b>	Feature requests	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Difficulty:</b>			
<b>Description</b>			
<b>Motivation</b>			
To avoid QA employee getting blocked by a malfunctioning new openQA version, we should have container images available, ideally versioned so people can always use a known to be working openQA version.			
<b>Acceptance criteria</b>			
<ul style="list-style-type: none"><li>• <b>AC1:</b> (DONE) An x86-64 container image for the webui is available on OBS.</li><li>• <b>AC2:</b> (DONE) An x86-64 container image for the worker is available on OBS.</li><li>• <b>AC3:</b> (IMPLICIT IN OBS) Container images are versioned.</li></ul>			
<b>Suggestions</b>			
<ul style="list-style-type: none"><li>• Look into CI images <a href="https://build.opensuse.org/package/show/devel:openQA/openqa_dev">https://build.opensuse.org/package/show/devel:openQA/openqa_dev</a></li><li>• Mention the available containers as part of documentation</li></ul>			
<b>Related issues:</b>			
Related to openQA Project - action #43619: Improve workflow for dealing with ...		<b>Resolved</b>	<b>2018-11-09</b>
Copied to openQA Project - action #80516: Docker image for webui and workers ...		<b>Workable</b>	

## History

### #1 - 2018-11-21 09:56 - okurz

- Target version set to Milestone 23

### #2 - 2019-02-13 08:11 - szarate

- Subject changed from [functional][u] Docker image for webui and workers are versioned and uploaded to docker hub to [functional][u] Docker image for webui and workers are versioned and uploaded to docker hub / obs registry

- Description updated

I'd like to set this to a later milestone, there are upcoming changes to openQA that would help a lot with the containerization process, but with the openqa bootstrap scripts provided by poo#45365 there's already a start

### #3 - 2019-02-13 08:52 - szarate

- Related to action #43715: Update upstream dockerfiles to provide an easy to use docker image of workers added

### #4 - 2019-02-13 08:53 - szarate

- Related to deleted (action #43715: Update upstream dockerfiles to provide an easy to use docker image of workers)

### #5 - 2019-02-13 12:14 - okurz

good idea, can we relate these tickets then?

**#6 - 2019-03-04 14:54 - okurz**

- Subject changed from *[functional][u]* Docker image for webui and workers are versioned and uploaded to docker hub / obs registry to Docker image for webui and workers are versioned and uploaded to docker hub / obs registry

- Category set to Feature requests
- Target version deleted (Milestone 23)

As per [#43718#note-5](#) , no response on the relations. I think it's a nice idea but currently out of scope for QSF-u.

**#7 - 2020-07-16 12:25 - okurz**

- Priority changed from Normal to Low
- Target version set to future

**#8 - 2020-09-08 13:26 - okurz**

- Related to action [#43619](#): Improve workflow for dealing with openQA's dependencies added

**#9 - 2020-11-10 15:19 - cdywan**

- Description updated
- Assignee set to *ilausuch*

**#10 - 2020-11-10 15:29 - cdywan**

I created the [devel:openQA:container](#) package project, so we have a place to publish images there. And once that works we'll do the same for the web UI.

**#11 - 2020-11-10 22:02 - okurz**

please do not work on this ticket, it's not on our backlog. And I would really appreciate if we can resolve the other tickets first. Of course it's ok if you already have some intermediate steps. You can just keep them.

**#12 - 2020-11-18 11:11 - ilausuch**

- Assignee deleted (*ilausuch*)

**#13 - 2020-11-26 10:56 - ilausuch**

- Assignee set to *ilausuch*

**#14 - 2020-11-26 12:01 - ilausuch**

Now <https://build.opensuse.org/project/show/devel:openQA:container> is configured properly and I created two packages [https://build.opensuse.org/package/show/devel:openQA:container/openQA\\_container\\_webUI](https://build.opensuse.org/package/show/devel:openQA:container/openQA_container_webUI) [https://build.opensuse.org/package/show/devel:openQA:container/openQA\\_container\\_worker](https://build.opensuse.org/package/show/devel:openQA:container/openQA_container_worker)

For now, I didn't created the Load Balancer package, but I guess we'll need this in the future.

Both build the images.

`obs://build.opensuse.org/devel:openQA:container/containers15.2/6912e7418a7fee7d67a96990f0970e63-openQA_container_webUI`  
`obs://build.opensuse.org/devel:openQA:container/containers15.2/feae4bf90cfbc2366f76f357f21f7f60-openQA_container_worker`

Now I am trying to adjust the configuration to publish the images in the public registry

**#15 - 2020-11-26 12:02 - ilausuch**

- Description updated

**#16 - 2020-11-26 12:12 - ilausuch**

The container images are already in the registry

```
podman pull registry.opensuse.org/devel/openqa/container/containers15.2/openqa_webui:latest
podman pull registry.opensuse.org/devel/openqa/container/containers15.2/openqa_worker:latest
```

**#17 - 2020-11-26 13:12 - okurz**

good. I have not updated [#43718](#) as it is not on our backlog but my suggestion (elsewhere) was to not have packages within the subproject ":container" to prevent the repeated word "container" in the URL. Can you please move the packages to devel:openQA directly?

EDIT: After that I suggest to remove the project again.

#### #18 - 2020-11-26 15:13 - ilausuch

The packages are moved to the <https://build.opensuse.org/project/show/devel:openQA> project

[https://build.opensuse.org/package/show/devel:openQA/openQA\\_container\\_webUI](https://build.opensuse.org/package/show/devel:openQA/openQA_container_webUI)

[https://build.opensuse.org/package/show/devel:openQA/openQA\\_container\\_worker](https://build.opensuse.org/package/show/devel:openQA/openQA_container_worker)

And the devel:openQA:container project is deleted

#### #19 - 2020-11-27 05:55 - okurz

looks good. I can find the images on [https://registry.opensuse.org/cgi-bin/cooverview?srch\\_term=project%3Ddevel%3AopenQA](https://registry.opensuse.org/cgi-bin/cooverview?srch_term=project%3Ddevel%3AopenQA)

But when I try to run the worker image I get:

```
podman run --rm -it registry.opensuse.org/devel/openqa/containers15.2/openqa_worker
Trying to pull registry.opensuse.org/devel/openqa/containers15.2/openqa_worker...
Getting image source signatures
Copying blob 03155e773b90 done
Copying blob 9ae21f77663e done
Copying config 6083cf2534 done
Writing manifest to image destination
Storing signatures
Error: container_linux.go:349: starting container process caused "exec: \"/run_openqa_worker.sh\": permission denied": OCI runtime permission denied error
```

I assume the problem is that <https://github.com/os-autoinst/openQA/pull/3547> works when building images locally but when we download a simple file within OBS then permissions of the file are lost. Sorry about that. I created <https://github.com/os-autoinst/openQA/pull/3594> but now with a comment so that we know why we need that chmod call :)

#### #20 - 2020-11-27 10:10 - okurz

- Copied to action #80516: Docker image for webui and workers on docker hub reflect current state added

#### #21 - 2020-11-27 10:15 - okurz

- Subject changed from Docker image for webui and workers are versioned and uploaded to docker hub / obs registry to Docker image for webui and workers are versioned and uploaded to obs registry

- Description updated

- Target version changed from future to Ready

As we could not get a hold of maintainers of the docker hub account "openqa" we split out the complete "docker hub story" to [#80516](#) . aarch64 moved to [#43706](#)

#### #22 - 2020-11-27 10:18 - okurz

- Description updated

#### #23 - 2020-11-27 12:07 - ilausuch

- Description updated

As far as I know versioning is controlled directly by the OBS. When a merge is performed against the master, the image creation will be launched. The latest build made with the latest tag and indicating the date of publication will be published in the registry. So we can consider it taken for granted.

#### #24 - 2020-11-27 13:06 - ilausuch

In order to list where we can find the build images:

registry.opensuse.org/devel/openqa/containers15.2/openqa\_webui:latest

registry.opensuse.org/devel/openqa/containers15.2/openqa\_worker:latest

#### #25 - 2020-11-27 13:18 - ilausuch

Also Added Web UI Load Balancer build container package

[https://build.opensuse.org/package/show/devel:openQA/openQA\\_container\\_webUI\\_loadbalancer](https://build.opensuse.org/package/show/devel:openQA/openQA_container_webUI_loadbalancer)

#### #26 - 2020-11-27 20:11 - okurz

- Description updated

- Due date set to 2020-12-02

- Status changed from Workable to Feedback

With my PR contribution <https://github.com/os-autoinst/openQA/pull/3595> merged we prominently mention the Dockerfile based containers in our documentation. We should wait until this is deployed to open.qa/docs . More of announcements can be done as part of [#80534](#) . Setting due to to 2020-12-02 as I assume at the latest until then the documentation should be published. Normally that should happen anyway tomorrow morning by an automatic circleCI job creating a PR.

**#27 - 2020-12-02 09:55 - ilausuch**

- *Status changed from Feedback to Resolved*

After checking that <https://github.com/os-autoinst/openQA/pull/3595> is published then I put the status as resolved

**#28 - 2021-03-18 13:20 - okurz**

- *Due date deleted (2020-12-02)*