

Use the same tag for multiple cpu architectures in docker images #5174

New issue

Closed

3 tasks done

xmfcx opened this issue on Sep 5 · 6 comments



xmfcx commented on Sep 5

Contributor

Checklist

- ☒ I've read the [contribution guidelines](#).
- ☒ I've searched other issues and no duplicate issues were found.
- ☒ I've agreed with the maintainers that I can plan this task.

Description

 **autoware**

Autoware - the world's leading open-source software project for autonomous driving

Install from the command line [Learn more about packages](#)

```
$ docker pull ghcr.io/autowarefoundation/autoware:latest-humble-core-devel-cuda-arm64
```

Recent tagged image versions


latest-humble-core-devel-cuda-arm64	latest-core-devel-cuda-arm64	20240905-core-devel-cuda-arm64	📄 0
Published about 1 hour ago · Digest ...			
latest-humble-universe-cuda-amd64	latest-universe-cuda-amd64	20240905-universe-cuda-amd64	📄 0
Published about 1 hour ago · Digest ...			
20240905-devel-cuda-amd64	latest-humble-devel-cuda-amd64	latest-devel-cuda-amd64	📄 0
Published about 1 hour ago · Digest ...			
latest-humble-universe-devel-cuda-amd64	latest-universe-devel-cuda-amd64		📄 0
Published about 1 hour ago · Digest ...			
20240905-base-cuda-arm64	latest-humble-base-cuda-arm64	latest-base-cuda-arm64	📄 0
Published about 1 hour ago · Digest ...			

[View and manage all versions](#)

Right now we have different tags for `arm64` and `amd64` images.

This is redundant since docker supports multiple cpu arch's in same tag.

Assignees



 oguzkaganozt

Labels

`component:openadkit`

`type:containers`

Projects

 Open AD Kit Working Group 

Status: Done +1 more

Milestone

No milestone

Development

Successfully merging a pull request may close this issue.

 **feat(docker): add multi-platform supp...**
autowarefoundation/autoware

3 participants



Example:

TAG

rolling-ros-base-noble

Last pushed 19 days ago by [dojanky](#)

docker pull ros:rolling-ros-base-noble

Copy

Digest	OS/ARCH	 Vulnerabilities	Compressed Size
594cba7093a3	linux/amd64	<div> <div>0</div> <div>3</div> <div>259</div> <div>42</div> <div>0</div> </div>	284.59 MB
f92b2c25f35d	linux/arm64	<div> <div>0</div> <div>3</div> <div>259</div> <div>42</div> <div>0</div> </div>	275 MB

Purpose

Simplify the docker image tags by making use of modern docker features.

Possible approaches

<https://www.docker.com/blog/multi-arch-build-and-images-the-simple-way/>

Definition of done

Image tags don't have `arm64` or `amd64` keywords in them.

  **xmfcx** added the `type:containers` label on Sep 5

  **xmfcx** assigned **youtalk** on Sep 5

  **xmfcx** mentioned this issue on Sep 5

fix(test-composite-actions): use

 Merged

autoware:latest-universe-devel

autowarefoundation/autoware-github-actions#319

 7 tasks

  **xmfcx** changed the title ~~Use same tag for multiple cpu architectures in docker images~~ Use the same tag for multiple cpu architectures in docker images on Sep 5

 **youtalk** commented on Sep 5

Member

It is already performed by daily workflow

<https://github.com/autowarefoundation/autoware/blob/main/.github/workflows/update-docker-manifest.yaml>.

<https://github.com/autowarefoundation/autoware/pkgs/container/autoware/268585026?tag=latest-runtime-cuda>

 **xmfcx** commented on Sep 5

Contributor

Author

However, my question is: why are we generating architecture-specific tags initially and then merging them later? Wouldn't it be cleaner and more efficient to push a single tag directly, without separating them at the start? This could help in keeping the package repository more organized.



youtalk commented on Sep 5

Member

I don't know how to do it properly because the CI runners are different from machines and architectures so that I think the manifest could be also different.
I hope [@oguzkaganozt](#) knows more than me.



youtalk commented on Sep 5

Member

This is not my emergent issue.
I'm waiting for your contribution not only by discussion but by PR.
Thanks.



xmfcx unassigned youtalk on Sep 6



oguzkaganozt self-assigned this on Sep 6



oguzkaganozt added the **component:openadkit** label on Sep 6



github-project-automation **bot** added this to **Open AD Kit Working Group** on Sep 6



oguzkaganozt moved this to **Foundation** in **Open AD Kit Working Group** on Sep 6



oguzkaganozt commented on Sep 6

Contributor

I will investigate try to find out more straight-forward solution to this.



oguzkaganozt mentioned this issue on Sep 9

feat(docker): add multi-platform support to buildx #5203

 Closed

 4 tasks



oguzkaganozt linked a pull request [on Sep 9](#) that will close this issue

feat(docker): add multi-platform support to buildx #5203

 Closed

 4 tasks



oguzkaganozt commented on Sep 24

Contributor

This should be resolved with [#5256](#)



oguzkaganozt closed this as [completed](#) on Sep 24



github-project-automation bot moved this from Foundation to Done in Open AD Kit Working Group on Sep 24