

# Re-organize the Autoware Docker Containers #3999

New issue

Closed

15 tasks done

oguzkaganozt opened this issue on Nov 16, 2023 · 1 comment · Fixed by #4072



oguzkaganozt commented on Nov 16, 2023 · edited

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

Related issues and discussions:

- ☒ [DevOps Dojo: Build & Run \(Phase 1\)](#) autoware.universe#2654
- ☒ [DevOps Dojo: Build & Run \(Phase 2\)](#) autoware.universe#4111
- ☒ [Reduce docker image size for runtime usages](#) #2840
- <https://github.com/orgs/autowarefoundation/discussions/3651>
- <https://github.com/orgs/autowarefoundation/discussions/3469>

CC: [@kaspermeck-arm](#) [@HamburgDave](#)

## Purpose

- Reducing the size of Autoware containers
- Re-organizing image layers
- Optimizing images
- Modularized containers

## Possible approaches

### Assignees



oguzkaganozt

### Labels

DevOps Dojo: Build & Run

meeting:openadkit-wg

type:build

type:ci

type:containers

type:github-actions

### 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): re-organize the autowar...  
autowarefoundation/autoware

### 2 participants



- Organize Ansible scripts for more efficient layering mechanism
- Generate new dockerfiles for generating runtime and modular images
  - [https://github.com/leo-drive/avte\\_autoware/blob/main/docker/autoware-openadk/base/Dockerfile](https://github.com/leo-drive/avte_autoware/blob/main/docker/autoware-openadk/base/Dockerfile)
  - [https://github.com/leo-drive/avte\\_autoware/blob/main/docker/autoware-openadk/monolithic/Dockerfile](https://github.com/leo-drive/avte_autoware/blob/main/docker/autoware-openadk/monolithic/Dockerfile)
- Modify bake file to include base image and modular images
  - [https://github.com/leo-drive/avte\\_autoware/blob/main/docker/autoware-openadk/docker-bake.hcl](https://github.com/leo-drive/avte_autoware/blob/main/docker/autoware-openadk/docker-bake.hcl)
- Modify github workflows related to docker build&push
  - <https://github.com/autowarefoundation/autoware/blob/main/.github/workflows/docker-build-and-push-main.yaml>
  - <https://github.com/autowarefoundation/autoware/blob/main/.github/actions/docker-build-and-push/action.yaml>

## Definition of done

- ✓ Organize and modify the Ansible scripts for efficient layering mechanism
  - ✓ Test the modified Ansible scripts
- ✓ Generate the new dockerfiles
- ✓ Modify the bake file to use the new dockerfiles
- ✓ Modify the related workflows and actions
  - ✓ Generate debug tags for the newly generated images
  - ✓ Point [this ci](#) to the new image tags and create a dummy PR in the Universe
  - ✓ Test & validate the images with overall build and test workflows
  - ✓ Reviewers can also validate with the temp images too
  - ✓ Replace all the debug tags with the original ones
- ✓ Update the related documentation
  - ✓ <https://autowarefoundation.github.io/autoware-documentation/main/installation/autoware/docker-installation/>



oguzkaganozt added

meeting:openadkit-wg

type:github-actions

DevOps Dojo: Build & Run

type:build

type:ci type:containers labels on Nov 16, 2023



 **oguzkaganozt** self-assigned this on Nov 16, 2023



 **oguzkaganozt** added this to **Autoware Labs** and **Open AD Kit Working Group** on Nov 16, 2023



This was referenced on Nov 16, 2023

**feat(docker\_image): use cuda:12.3.0  
base image #3995**

 Closed

**Use a common base image for CUDA  
libraries #2446**

 Closed

**Reduce docker image size for  
runtime usages #2840**

 Closed



 **kaspermeck-arm** moved this to **Planned** in **Open AD  
Kit Working Group** on Nov 16, 2023



 **oguzkaganozt** moved this from **Planned** to **In  
Progress** in **Open AD Kit Working Group** on Dec 15, 2023




 **oguzkaganozt** mentioned this issue on Dec 20, 2023

**feat(docker): re-organize the  
autoware docker containers #4072**

 Merged

 7 tasks



 **oguzkaganozt** linked a pull request on Dec 20, 2023  
that will close this issue

**feat(docker): re-organize the  
autoware docker containers #4072**

 Merged

 7 tasks



 **oguzkaganozt** mentioned this issue on Jan 25


**Update docker installation  
documentation**

 Closed

autowarefoundation/autoware-  
documentation#511

 4 tasks



 **idrobotics** moved this to **In Progress** in **Autoware Labs** on Jan 30



 **xmfcx** mentioned this issue on Feb 6

**Improve CI efficiency on build-and-test-differential jobs**

✓ Closed

autowarefoundation/autoware.universe  
#4497

📋 14 tasks



 **oguzkaganozt** moved this from **Execution** to **Integration** in **Open AD Kit Working Group** on Feb 13



 **xmfcx** mentioned this issue on Feb 26

**ci: update build-and-test and -differential jobs**

🔗 Merged

autowarefoundation/autoware.univers  
e#6471

📋 4 tasks



 **xmfcx** mentioned this issue on Mar 6

**docs(installation): update the installation instructions**

🔗 Merged


autowarefoundation/autoware-  
documentation#516

📋 4 tasks




 **xmfcx** closed this as completed in [#4072](#) on Mar 6



 **github-project-automation** bot moved this from **In Progress** to **Done** in **Autoware Labs** on Mar 6



 **github-project-automation** bot moved this from **Integration** to **Done** in **Open AD Kit Working Group** on Mar 6



 **xmfcx** reopened this on Mar 6

 **xmfcx** commented on Mar 6

Contributor

Everything is merged, we can close this, thanks everyone!



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**xmfcx** closed this as completed on Mar 6



**xmfcx** removed this from **Autoware Labs** on Mar 18