

Re-organize the Autoware Docker Containers #3999

New issue



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



oguzkaganozt commented on Nov 16, 2023 • Contributor edited -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:

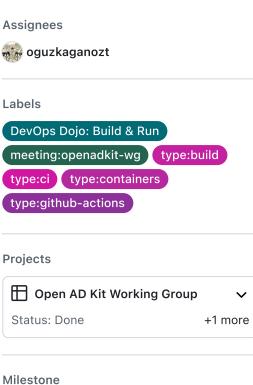
- O DevOps Dojo: Build & Run (Phase 1) autoware.universe#2654
- O DevOps Dojo: Build & Run (Phase) 2) autoware.universe#4111
- Reduce docker image size for runtime **usages** #2840
- https://github.com/orgs/autowarefoundation/discussion
- https://github.com/orgs/autowarefoundation/discussion s/3469

CC: @kaspermeck-arm @HamburgDave

Purpose

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

Possible approaches



Development

No milestone

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/leodrive/avte_autoware/blob/main/docker/autowareopenadk/base/Dockerfile
 - https://github.com/leodrive/avte_autoware/blob/main/docker/autowareopenadk/monolithic/Dockerfile
- Modify bake file to include base image and modular images
 - https://github.com/leodrive/avte_autoware/blob/main/docker/autowareopenadk/docker-bake.hcl
- Modify github workflows related to docker build&push
 - https://github.com/autowarefoundation/autoware/b lob/main/.github/workflows/docker-build-andpush-main.yaml
 - https://github.com/autowarefoundation/autoware/b lob/main/.github/actions/docker-build-andpush/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/autowaredocumentation/main/installation/autoware/dockerinstallation/



	type:ci type:containers labels on Nov 16, 2023
8	oguzkaganozt self-assigned this on Nov 16, 2023
	oguzkaganozt added this to Autoware Labs and Open AD Kit Working Group on Nov 16, 2023
乙	This was referenced on Nov 16, 2023
	feat(docker_image): use cuda:12.3.0 State Closed base image #3995
	Use a common base image for CUDA
	Reduce docker image size for runtime usages #2840
	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
ÇŽ	oguzkaganozt mentioned this issue on Dec 20, 2023
	feat(docker): re-organize the autoware docker containers #4072
	oguzkaganozt linked a pull request on Dec 20, 2023 that will close this issue
	feat(docker): re-organize the autoware docker containers #4072 7 tasks
ÇŽ	oguzkaganozt mentioned this issue on Jan 25
	Update docker installation documentation autowarefoundation/autoware- documentation#511 \$\begin{align*} \text{4 tasks} \end{align*}

