<> Code ⊙ Issues 42 ⑂ Pull requests 13 💬 Discussions ▷ Actions ⊘ Security ···

feat(docker): provide modular images for openadkit planning simulator visualizer #4673

New issue

⑂ Closed

oguzkaganozt wants to merge 48 commits into `main` from
`4538-provide-modular-images-for-openadkit-planning-simulator-visualizer` 📋

💬 Conversation 53 | ○ Commits 48 | ☑ Checks 14 | ⊞ Files changed

oguzkaganozt commented on Apr 30 • Contributor

edited ▾

Description

Provide modular planning, simulator and visualizer
containers to enable easier development and deployment
of Autoware functionalities with distinct needs.

- Move monilithic autoware images into `autoware`
  package and, openadkit images into `autoware-openadk`
  package
- Provide `planning, simulator, visualizer` container
  images
- Provide `docker-compose` file for running autoware with
  multiple images easily

Detailed information can be found at the below related
issue.

Related links

#4538

Tests performed

docker build action:
https://github.com/autowarefoundation/autoware/actions/runs/9254434490
New docker images are thoroughly tested in a fresh
environment.

Reviewers

👤 youtalk   💬
🟡 xmfcx   ⬤
🐱 TakaHoribe   ⬤
▦ mitsudome-r   🔒 ⬤

Assignees

👤 oguzkaganozt

Labels

component:planning
component:system
DevOps Dojo: Build & Run
tag:run-health-check type:ci

Projects

None yet

Milestone

No milestone

Development

Successfully merging this pull request may
close these issues.

4 participants

Notes for reviewers

Interface changes

N/A as it will only introduce new modular container images.

Effects on system behavior

N/A to bare-metal setups, but it will provide new modular deployment scheme.

Pre-review checklist for the PR author

The PR author **must** check the checkboxes below when creating the PR.

- [x] I've confirmed the [contribution guidelines](#).
- [x] The PR follows the [pull request guidelines](#).

In-review checklist for the PR reviewers

The PR reviewers **must** check the checkboxes below before approval.

- [ ] The PR follows the [pull request guidelines](#).
- [ ] The PR has been properly tested.
- [ ] The PR has been reviewed by the code owners.

Post-review checklist for the PR author

The PR author **must** check the checkboxes below before merging.

- [x] There are no open discussions or they are tracked via tickets.
- [x] The PR is ready for merge.

After all checkboxes are checked, anyone who has write access can merge the PR.

oguzkaganozt added `component:system` `component:planning` `DevOps Dojo: Build & Run` `type:ci` labels on Apr 30

oguzkaganozt self-assigned this on Apr 30

oguzkaganozt requested review from **mitsudome-r** and **xmfcx** as code owners 7 months ago

youtalk commented on May 7 • edited ▾ `Member`

@oguzkaganozt It is good PR but quite a big changes to review it.

To streamline the review process, please minimize the amount of revisions per PR and break it up into multiple PRs.
In addition, for both maintenance and build efficiency, a single Dockerfile should be used with `multi-stage build` instead of creating multiple Dockerfiles.
ref https://github.com/orgs/autowarefoundation/discussions/4661

👍 1

oguzkaganozt commented on May 8 `Contributor` `Author`

> **@oguzkaganozt** It is good PR but quite a big changes to review it.
>
> To streamline the review process, please minimize the amount of revisions per PR and break it up into multiple PRs. In addition, for both maintenance and build efficiency, a single Dockerfile should be used with `multi-stage build` instead of creating multiple Dockerfiles. ref https://github.com/orgs/autowarefoundation/discussions/4661

Thank you for the review **@youtalk**. You're right on big PR changes but since this PR includes many tightly-related changes I though that it will be more easier to review in all-in-one PR.

For the multi-stage build we are already utilizing it in the monolithic images of Autoware `devel` and `runtime`. And these new modules also utilizing the base image from the monolithic images (which includes ros, rmw and some basic dependencies) but we still need to keep module dockerfiles separate because ideally in the near future we will only copy related nodes into specific dockerfile, which means reducing the size of the modules even better. (At this time, this PR copying all of the install folder into all modules which is not ideal).

mitsudome-r commented on May 9 `Member`

@oguzkaganozt Could you make modification to the documentation accordingly as well? I think the path for run scripts and build scripts must be changed on this page.

oguzkaganozt mentioned this pull request on May 17

fix: update docker installation Closed

autowarefoundation/autoware-documentation#550

4 tasks

youtalk commented on May 20 Member

I think the renaming refactoring and multi-stage build PRs should be done separately. If we do the renaming first, the diff would be smaller.

oguzkaganozt force-pushed the

`4538-provide-modular-images-for-openadkit-planning-simulator-visualizer`

branch from **9f002d5** to **6199c9c** 6 months ago   Compare

oguzkaganozt commented on May 22   Contributor   Author

> **@oguzkaganozt** Could you make modification to the documentation accordingly as well? I think the path for run scripts and build scripts must be changed on this page.

@mitsudome-r we don't need to update any documentation for this PR anymore, as right now it is only adding `openadkit` directory which only contains modular images.

oguzkaganozt force-pushed the

`4538-provide-modular-images-for-openadkit-planning-simulator-visualizer`

branch from **d998572** to **69b7859** 6 months ago   Compare

oguzkaganozt commented on May 22   Contributor   Author

> I think the renaming refactoring and multi-stage build PRs should be done separately. If we do the renaming first, the diff would be smaller.

I know the changes look like a lot, but as I said this work is tightly coupled and includes the all work that previously demonstrated at the last CES. Creating separate PRs would be ideal but the time timeline is tight for these features to make users to replicate the last demo.

oguzkaganozt requested review from **youtalk** and **TakaHoribe** 6 months ago

oguzkaganozt force-pushed the

`4538-provide-modular-images-for-openadkit-planning-simulator-visualizer`

branch from **363229f** to **cbc9263** 6 months ago   Compare

mitsudome-r reviewed   View reviewed changes
on May 23

```
.github/actions/dock
er-build-and-push-op    Outdated    ⊕ Show resolved
enadkit/action.yaml
```

```
.github/workflows/docker-build    ⊕ Show resolved
-and-push-main.yaml
```

```
ansible/playbooks/openadkit.ya    ⊕ Show resolved
ml
```

youtalk reviewed on May 24   View reviewed changes

youtalk left a comment   (Member)

I tried to review it, but the diff is too large to write review comments easily. Although it is divided into multiple images, it looks very wasteful because the same `vcs` `import` and `rosdep install` are repeated in various Dockerfiles. Also, the Dockerfiles other than the `simulator` are almost the same in content.

```
.github/workflows/do
cker-build-and-push-    Outdated    ⊕ Show resolved
main-self-hosted.yam
l
```

```
.github/workflows/do
cker-build-and-push-    Outdated    ⊕ Show resolved
main.yaml
```

mitsudome-r reviewed
on May 24

View reviewed changes

.github/actions/dock
er-build-and-push/ac   Outdated   ⇕ Show resolved
tion.yaml

.github/actions/dock
er-build-and-push/ac   Outdated   ⇕ Show resolved
tion.yaml

.github/actions/docker-build-a
nd-push/action.yaml   ⇕ Show resolved

docker/docker-bake.hcl   ⇕ Show resolved

.github/workflows/do
cker-build-and-push-
main-self-hosted.yam   Outdated   ⇕ Show resolved
l

3 hidden conversations
Load more...

docker/build.sh Outdated   ⇕ Show resolved

docker/openadkit/et
c/ros_entrypoint.sh   Outdated   ⇕ Show resolved

docker/openadkit/etc/ros_entry
point.sh   ⇕ Show resolved

docker/openadkit/mod
ules/planning-contro   Outdated   ⇕ Show resolved
l/Dockerfile

docker/run.sh Outdated   ⇕ Show resolved

oguzkaganozt commented
on May 24
                          Contributor   Author

I tried to review it, but the diff is too large to write
review comments easily. Although it is divided into
multiple images, it looks very wasteful because the
same `vcs import` and `rosdep install` are repeated
in various Dockerfiles. Also, the Dockerfiles other than
the `simulator` are almost the same in content.

@youtalk at this stage of development my main focus was to just introduce these 3 different modules with demonstration of planning scenario. You're right that there are not much of diff between these dockerfiles but in the near future after defining the `perception-localization` container there will be.

Refining of each module's dockerfiles will be done on top of that, also we can leverage `src-imported` layer in the next PR of modular images. But at the time being intention was to upstream planning-control, simulator and visualizer containers and enable users to run planning scenarios with modular container setting with the help of [this docker-compose file](#).

👁 🖼 **oguzkaganozt** requested review from **mitsudome-r** and **youtalk** 6 months ago

oguzkaganozt commented on May 24   Contributor   Author

Removed the upload artifacts section from the workflow because of the disk space after resolving the issue we can re-enable them. **@youtalk** **@mitsudome-r**

youtalk commented on May 24   Member

[#4771](#) reduces the image size. Please merge the latest main branch and check the CI again.

youtalk commented on May 25   Member

> Removed the upload artifacts section from the workflow because of the disk space after resolving the issue we can re-enable them. **@youtalk** **@mitsudome-r**

@oguzkaganozt You were saying the opposite [#4738 (comment)](#). So I think we can't remove the `Upload Artifact`.

> Uploading of images is necessary because you can test out the produced images without pushing them into the registry.

oguzkaganozt commented on May 26   Contributor   Author

> Removed the upload artifacts section from the workflow because of the disk space after resolving the issue we can re-enable them.
> @youtalk @mitsudome-r

@oguzkaganozt You were saying the opposite #4738 (comment). So I think we can't remove the `Upload Artifact`.

> Uploading of images is necessary because you can test out the produced images without pushing them into the registry.

@youtalk Since it's stepping on our feet with various features I think we can re-enable them after we solve the disk space issue for now. I just don't want to slow down our development process for now, but eventually, we will need them soon.

👍 2

oguzkaganozt force-pushed the
`4538-provide-modular-images-for-openadkit-planning-simulator-visualizer`
branch from **6c10f71** to **582a2c9** 6 months ago   Compare

19 hidden items
Load more...

pre-commit-ci ⓑ bot and others added 10 commits
6 months ago

◦ 🄿 style(pre-commit): autofix   43824c5

◦ . …   cf43ae9

◦ update yamllint settings …   1705246

◦ Remove data_path as it is included in   c32b00f
   the image again …

◦ download artifacts inside the   29d1a47
   dockerfile again …

◦ . …   83dad77

◦ fix playbook naming …   6293ea2

◦ add caching …   9ddc399

◦ remove base from build.sh …   e6d49b5

◦

remove extra dash'-' from docker
image tagging   ···   d0a6d20

oguzkaganozt force-pushed the
4538-provide-modular-images-for-openadkit-planning-simulator-visualizer
branch from **f4652bb** to **d0a6d20** 6 months ago   Compare

Merge branch 'main' into
4538-provide-modular-
images-for-openadkit-pl…   573fbde
···

oguzkaganozt marked this pull request as ready for
review 6 months ago

oguzkaganozt commented
on May 28   Contributor   Author

> This PR includes too many changes and will take a lot
> of time to merge, so I have split out a subset PR for
> only renaming. #4785

Thanks **@youtalk** i really didn't have the time to do this as i
am busy with demo prep. Now that I have merged `main`
into this PR and the diff should be more human-readable :)
@mitsudome-r

oguzkaganozt and others added 3 commits 6 months ago

add clone repositories into build.sh   95f1bb5
···

style(pre-commit): autofix   0b28c0e

.   ···   ef2683a

youtalk reviewed on May 28   View reviewed changes

docker/Dockerfile

···	···	@@ -72,11 +72,9 @@ ENV CXX="/usr/lil
72	72	# cspell: ignore libcu libnv
73	73	# Set up development environment
74	74	RUN --mount=type=ssh \
75		− ./setup-dev-env.sh -y --module al
	75	+ ./setup-dev-env.sh -y --module al

youtalk on May 28   Member

I think the change of [#4771](#) was reverted. Do you have some reason?

youtalk on May 31   Member

We need to decrease the image size to re-enable the `Upload Artifacts` step.

youtalk mentioned this pull request on May 29

feat(ci): disable `Upload Artifacts` on `docker-build-and-push` action   ⑃ Merged

#4789

☑ 4 tasks

---

youtalk commented on May 29 · edited ▾   Member

I have split out a subset PR for only disabling `Upload Artifacts`.

[#4789](#)

---

oguzkaganozt and others added 2 commits 6 months ago

○— Merge branch 'main' into ▭▭▭▭ 4538-provide-modular-images-for-openadkit-pl…   deb0d40

　…

○— 🅿 style(pre-commit): autofix   04477cf

👁 **youtalk** reviewed on May 31   **View reviewed changes**

.github/actions/docker-build-and-push-openadkit/action.yaml

131	+	echo 'No artifacts uploaded
132	+	shell: bash
133	+	
134	+	# TODO:Enable after solving the

youtalk on May 31   Member

We are using the version control tool. We can revert the commit. That's why removing them is simple.

.github/actions/docker-build-and-push/action.yaml

| 106 | 119 | set: \| |
| 107 | 120 | ${{ inputs.build-args }} |

108	121		
109		−	- name: Build only
	122	+	- name: Build Only

youtalk on May 31　　　　　　Member

Please focus on the minimum change. If you
want to refactor please make another PR.

> **Suggested change**
>
> | 122 | − | - name: Build Only |
> |---|---|---|
> | 122 | + | - name: Build only |

.yamllint.yaml

...	...	@@ −10,6 +10,7 @@ rules:	
10	10		comments:
11	11		level: error
12	12		min-spaces-from-content: 1 # To
	13	+	comments-indentation: disable # D:

youtalk on May 31　　　　　　Member

> **Suggested change**
>
> | 13 | − | comments-indentation: disable # Disable as it's sometimes fails to detect vscode auto-commenting https://github.com/adrienverge/yamllint/issues/384 |
> |---|---|---|

---

docker/Dockerfile

...	...	@@ −72,11 +72,9 @@ ENV CXX="/usr/lil	
72	72		# cspell: ignore libcu libnv
73	73		# Set up development environment
74	74		RUN −−mount=type=ssh \
75		−	./setup-dev-env.sh -y −−module al
	75	+	./setup-dev-env.sh -y −−module al

youtalk on May 31　　　　　　Member

We need to decrease the image size to re-
enable the `Upload Artifacts` step.

---

docker/Dockerfile

Comment on lines -78 to -79

78		−	&& find / −name 'libcu*.a' −delete
79		−	&& find / −name 'libnv*.a' −delete

youtalk on May 31　　　　　　Member

Why did you remove them?

docker/build.sh

Comment on lines +61 to -64

```
       61  +        targets=()
  61   62            if [ "$option_devel_only" = "tru
  62   63                targets=("devel")
  63       -        else
  64       -            targets=()
```

youtalk on May 31   `Member`

Please focus on the minimum change. If you want to refactor please make another PR.

---

docker/etc/ros_entrypoint.sh

```
 ...  ...        @@ −22,7 +22,7 @@ else
  22   22            # Add sudo privileges to the use
  23   23            echo "$USER_NAME ALL=(ALL) NOPAS
  24   24
  25       -        # Source ROS2
       25  +        # Source ROS 2
```

youtalk on May 31   `Member`

Please focus on the minimum change. If you want to refactor please make another PR.

Suggested change

```
  25   -        # Source ROS 2
  25   +        # Source ROS2
```

---

youtalk commented on May 31   `Member`

@oguzkaganozt I understand that you need to use this for a demonstration, but as I've pointed out several times, this PR includes too many changes that should be separated. Therefore, the PR can never be made merge-ready.

---

oguzkaganozt mentioned this pull request on Jun 10

feat(docker): fix CUDA compile on devel image and improve run.sh   `⑂ Merged`

#4849

☰ 4 tasks

xmfcx added the `tag:run-health-check` label on Jul 12

oguzkaganozt closed this on Jul 29

oguzkaganozt deleted the
`4538-provide-modular-images-for-openadkit-planning…`
branch 2 months ago

oguzkaganozt restored the
`4538-provide-modular-images-for-openadkit-planning…`
branch 2 months ago

oguzkaganozt deleted the
`4538-provide-modular-images-for-openadkit-planning…`
branch 2 months ago