

# Gitlab CI MultiPlatform Build

## Enable Emulators

```
# docker run -it --rm --privileged tonistiigi/binfmt --install all
{
  "supported": [
    "linux/amd64",
    "linux/arm64",
    "linux/riscv64",
    "linux/ppc64le",
    "linux/s390x",
    "linux/386",
    "linux/arm/v7",
    "linux/arm/v6"
  ],
  "emulators": [
    "qemu-aarch64",
    "qemu-arm",
    "qemu-ppc64le",
    "qemu-riscv64",
    "qemu-s390x"
  ]
}
```

## Create buildx image to use

```
<file Dockerfile> ARG BUILDX_VERSION=0.4.2 ARG DOCKER_VERSION=latest
```

```
FROM alpine AS fetcher
```

```
RUN apk add curl
```

```
ARG BUILDX_VERSION RUN curl -L \
```

```
  1. -output /docker-buildx \
```

```
  "https://github.com/docker/buildx/releases/download/v\${BUILDX\_VERSION}/buildx-  
v\${BUILDX\_VERSION}.linux-amd64"
```

```
RUN chmod a+x /docker-buildx
```

```
ARG DOCKER_VERSION FROM docker:${DOCKER_VERSION}
```

```
COPY --from=fetcher /docker-buildx /usr/lib/docker/cli-plugins/docker-buildx
```

```
</code>
```

# Configure gitlab-runner

## Utilize own buildx image and switch to buildx in .gitlab-ci.yml

From:

<http://fortytwo.adurias.org/> - **Fortytwo - Answer to the Ultimate Question of Life, the Universe, and Everything**

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<http://fortytwo.adurias.org/gitlab-ci-multiplatform?rev=1610089043>

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