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

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 \
  --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
```

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**

Permanent link:
http://fortytwo.adurias.org/gitlab-ci-multiplatform?rev=1610089482

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