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 enabled docker image for builds

Dockerfile

```
```

Build image

```
$ docker build --pull -t registry/docker-with-buildx .
$ docker push registry/docker-with-buildx
```

Switch to buildx in .gitlab-ci.yml

Define CI_PLATFORMS variable in Settings / CI/CD:

CI_PLATFORMS = linux/amd64,linux/arm/v7,...

.gitlab-ci.yml

```
image: registry/docker-with-buildx

services:
  - docker:dind

build:
  stage: build
  script:
    - docker login -u $CI_USER -p $CI_TOKEN $CI_REGISTRY
    - docker buildx create --use
    - docker buildx build --platform $CI_PLATFORMS --push --pull -t
$CI_REGISTRY_IMAGE .
```

kb, git

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http://fortytwo.adurias.org/gitlab-ci-multiplatform?rev=1610182175

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