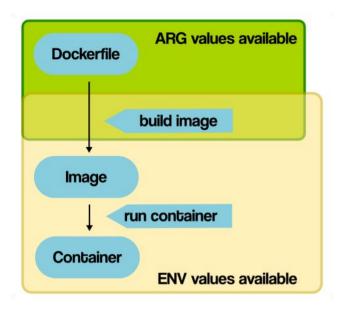
Docker ARG, ENV, env_files & .env Cheatsheet

ARG

- **built-time** arguments
- not available in containers

ENV

- environment variables
- available in containers



ARG and ENV in Your Dockerfile

```
ARG required_var # expects a value on build ARG var_name=def_value # default ARG ENV foo=other_value # default ENV ENV bar=${var_name} # dynamic ENV from ARG
```

".env" and "env file"

.env

- has to be named .env, used by docker-compose
- values replace \$var in docker-compose.yml
- preview with: \$ docker-compose config

env file

- can have any name, really
- has to be passed with --env-file

Same Syntax for Both:

```
env_var_name_a=another_value
env_var_name_b=yet_another_value
```

Docker CLI

Set Build Argument Value

\$ docker build --build-arg variable_name=a_value [...]

Set Environment Values For Containers

Provide env var value: \$ docker run -e "foo=other_value" [...]

Pass env var from host: \$ docker run -e foo [...]

Pass env var from env_file: \$ docker run --env-file=env_file_name [...]

(Sometimes) Part of CMD: \$ docker run myimage SOME_VAR=hi python app.py

Priority of Environment Variables (left overrides right):

Part of CMD > -e > --env-file > ENV

This docker-compose.yml snippet... ... is the same as

```
services:
    service_a:
    args:
    a: a_val
    environment:
    b: b_val
    env_file: file_name_a
    services:
    s
```

Bonus: Docker CLI Commands to Investigate ENV And ARG

- \$ docker inspect container_id
- \$ docker history image_id
- \$ docker exec -it container_id env