Docker : Service Containers

➢ Normal Flow:

Docker file → **Docker Build Command** → **Docker Image**

➢ Build Image in Docker Compose Workflow -
docker-compose build
docker compose build

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➤ **Docker Compose Build Properties**

➤ **build/context** : It defines either a path to a directory containing a Dockerfile, or a URL to a git repository.

```
build:
  context: ./dir
```

```
services:
  webapp:
    build: https://github.com/mycompany/webapp.git
```

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➢ **Image** : Overrides the image name specified in the Dockerfile.

```
build:
  context: .
  dockerfile: Dockerfile.dev
image: custom-image-name:tag
```

➢ **dockerfile** : Specifies an alternative Dockerfile for the build.

```
build:
  context: .
  dockerfile: Dockerfile.dev
```

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➤ **args** : Passes build arguments to the build context. Useful for dynamically setting values during the build.

```
ARG GIT_COMMIT
RUN echo "Based on commit: $GIT_COMMIT"
```

```
build:
  context: .
  args:
    GIT_COMMIT: cdc3b19
```

```
build:
  context: .
  args:
    - GIT_COMMIT=cdc3b19
```

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➤ **tags** : This defines a list of tag mappings that must be associated to the build image.

```
tags:
  - "myimage:mytag"
  - "registry/username/myrepos:my-other-tag"
```

Thank You...

Don't be the Same! Be Better!!!