

# Deploying Docker Images via Docker Hub

## Step 1: Build the Docker Image Locally

```
docker build -t payroll-fe:25.7.6 --build-arg config=production .
```

- Tags the image with a name and version.
- Passes the build argument config as production.
- Uses the current directory as the Docker build context.

## Step 2: Tag the Image for Docker Hub

```
docker tag 1b41687db3cd mtesfa/payroll-fe:25.7.6
```

- Replace 1b41687db3cd with the actual IMAGE ID.
- Prepares it for upload to Docker Hub under your account.

## Step 3: Push the Image to Docker Hub

```
docker push mtesfa/payroll-fe:25.7.6
```

- Uploads the image to Docker Hub.
- Make sure you're logged in to Docker Hub with 'docker login'.

## Step 4: Pull & Run on a Remote Machine

```
docker run -p 5003:80 -d --name payroll-fe mtesfa/payroll-fe:25.7.6
```

- Automatically pulls the image from Docker Hub if needed.
- Maps local port 5003 to container port 80.

## Note for Angular Frontend Use

```
docker run -p 5005:8080 -e SPRING_PROFILES_ACTIVE=live -d --name payroll_api  
mtesfa/payroll_api:25.7.8
```

- Maps local port 5005 to container port 8080.
- Sets environment variable for Spring profile.
- Used for frontend or apps that use a different port.