

Automaatne Docker build

1. Lae näidisprojekti FrontEndi kaustast alla Dockerfile, .dockerignore ja nginx.conf ja liiguta enda projekti FrontEnd kausta.
2. Kui kasutad npm-l, siis kustuta rida "RUN npm install -g pnpm", asenda pnpm-lock.yaml package-lock.json-ga, ning pnpm npm-ga.
3. Backendi dockeris tööle panemiseks laadida näidisprojektist .dockerignore ja Dockerfile failid alla ja liiguta enda projekti BackEnd kausta.
4. Muuda WorkoutApplication.csproj ja WorkoutApplication.dll ridu. Dockerfile-s peaks nendel olema sama nimi kui BackEnd kaustas oleva .csproj failil.

```
Dockerfile X
BackEnd > Dockerfile > ...
You, 2 days ago | 1 author (You)
1  # Define base image      You, 2 days ago • Lisa dockeri build backendile
2  FROM mcr.microsoft.com/dotnet/sdk:6.0.402-alpine3.16 AS builder
3
4  # Copy project files
5  WORKDIR /source
6  COPY ./*.csproj .
7
8  # Restore
9  RUN dotnet restore
10
11 # Copy all source code
12 COPY . .
13
14 # Publish
15 WORKDIR /source
16 RUN dotnet publish "WorkoutApplication.csproj" -c Release -o /publish
17
18 # Runtime
19 FROM mcr.microsoft.com/dotnet/aspnet:6.0.10-alpine3.16
20 WORKDIR /app
21 COPY --from=builder /publish .
22
23 RUN addgroup -S runner && adduser -S runner -G runner
24 USER runner
25 ENTRYPOINT ["dotnet", "WorkoutApplication.dll"]
26
```

5. Kopeeri näidisprojektist enda projekti juurkausta .gitlab-ci.yml fail.
6. Asenda Docker-l image-l address enda omaga.

```
Dockerfile  WorkoutApplication.csproj  .gitlab-ci.yml X
.gitlab-ci.yml
You, 39 minutes ago | 1 author (You)
1  variables:
2    DOCKER_DRIVER: overlay2
3    DOCKER_TLS_CERTDIR: "/certs"
4    # Minu konteineri registri aadress AWS-s (Amazon Elastic Container Registry)
5    # Asenda MINU_REGISTRI_NIMI
6    DOCKER_REGISTRY: 662032419283.dkr.ecr.eu-north-1.amazonaws.com/workout
7
8  stages:
9    - build
```

7. Kontrolli, et build -> only all on sama branch kui on GitLabis kasutusel.

```
.gitlab-ci.yml
You, 29 minutes ago | 1 author (You)
1 variables:
2   DOCKER_DRIVER: overlay2
3   DOCKER_TLS_CERTDIR: "/certs"
4   # Minu konteineri registri aadress AWS-s (Amazon Elastic Container Registry)
5   # Asenda MINU_REGISTRI_NIMI
6   DOCKER_REGISTRY: 662032419283.dkr.ecr.eu-north-1.amazonaws.com/workout
7
8 stages:
9   - build
10
11 build:
12   image:
13     name: docker:20.10.21-alpine3.16
14   services:
15     - docker:20.10.21-dind-alpine3.16
16   only:
17     - master
18     - main
```

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Tarvo Treier > ITB1704 2022 Workout Vue App

ITB1704 2022 Workout Vue App Project ID: 24727 Leave project

37 Commits 1 Branch 0 Tags 543 KB Files 680 KB Storage

master itb1704-2022-workout-vue-app / +

Merge branch 'master' of https://gitlab.com/tarvo-treier/itb1704-2022

8. Lisa GitLabi keskkonnamuutujad AWS-i Docker konteineri registrisse sisse logimiseks

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General pipelines Expand

Customize your pipeline configuration and coverage report.

Auto DevOps Expand

Automate building, testing, and deploying your applications based on your continuous integration and delivery configuration. [How do I get started?](#)

Runners Expand

Runners are processes that pick up and execute CI/CD jobs for GitLab. [How do I configure runners?](#)

Artifacts Expand

A job artifact is an archive of files and directories saved by a job when it finishes.

Variables Collapse

Variables store information, like passwords and secret keys, that you can use in job scripts. [Learn more.](#)

Variables can be:

- Protected: Only exposed to protected branches or tags.
- Masked: Hidden in job logs. Must match masking requirements. [Learn more.](#)

Type	Key	Value	Protected	Masked	Environments
Variable	AWS_ACCESS_KEY_ID	*****	×	×	All (default)
Variable	AWS_DEFAULT_REGION	*****	×	×	All (default)
Variable	AWS_SECRET_ACCESS_KEY	*****	✓	✓	All (default)

AWS_ACCESS_KEY_ID - AKIAZUJBVBHJTDFMWLTT

AWS_DEFAULT_REGION - eu-north-1

AWS_SECRET_ACCESS_KEY - EdWHtZUUsk+vr15DNke1ut3a/4xUfvRon/nP3L38

- Kommiti ja lae üles mõni muudatus ja kontrolli, et uus image jõudis konteineri registrisse