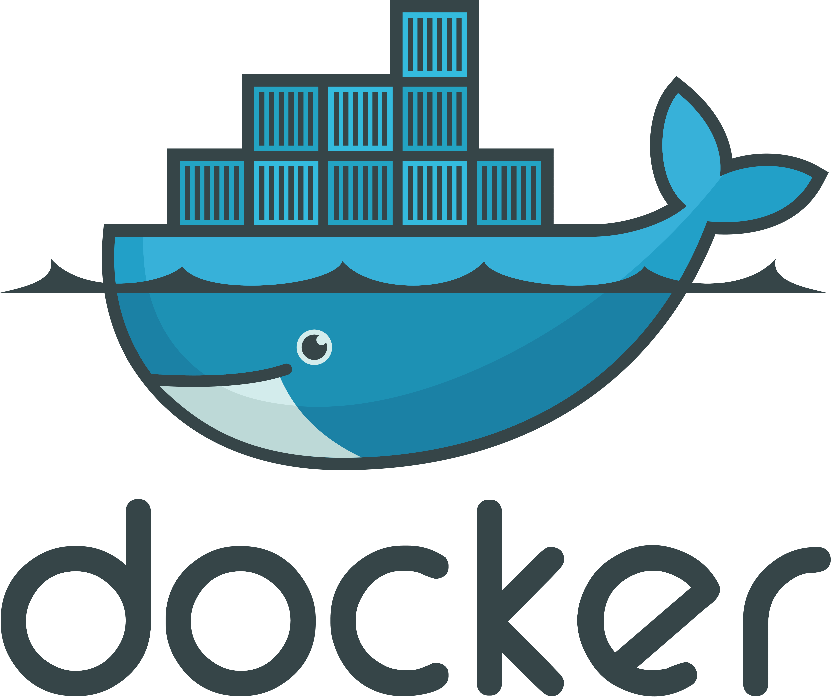
Dokumentation vom Modul 169 Tag 9

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Klasse Inf2022c

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# Übersicht

Die Struktur sollte als Anschauung dienen und sollte etwa so aussehen:

Ein Bild, das Text, Screenshot, Schrift enthält.

Automatisch generierte Beschreibung

# Codes

## Dockerfile

Der Code vom Dockerfile:

FROM python:3.9-slim

WORKDIR /app

COPY requirements.txt .

RUN pip install --no-cache-dir -r requirements.txt

COPY . .

CMD ["python", "app.py"]

Build mit docker build -t guestbook .

Danach push auf registry für erreichbarkeit

[git-registry.gibb.ch/vvr140992/modul\_169\_appv1/guestbook](https://git.gibb.ch/vvr140992/modul_169_appv1/container_registry)

## Guestbook-deployment.yaml

Der Code :

apiVersion: apps/v1

kind: Deployment

metadata:

name: guestbook

spec:

replicas: 3

selector:

matchLabels:

app: guestbook

template:

metadata:

labels:

app: guestbook

spec:

containers:

- name: guestbook

image: git-registry.gibb.ch/vvr140992/modul\_169\_appv1/guestbook

ports:

- containerPort: 5000

## Guestbook-service.yaml

Der Code :

apiVersion: v1

kind: Service

metadata:

name: guestbook

spec:

selector:

app: guestbook

ports:

- protocol: TCP

port: 80

targetPort: 5000

## App.py

Der Code :

# app.py

from flask import Flask, render\_template, request, redirect, url\_for

app = Flask(\_\_name\_\_)

# Beispiel-Daten für Nachrichten

messages = []

@app.route('/')

def index():

return render\_template('index.html', messages=messages)

@app.route('/add', methods=['POST'])

def add\_message():

message = request.form['message']

messages.append(message)

return redirect(url\_for('index'))

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0', port=5000)

# app.py

from flask import Flask, render\_template, request, redirect, url\_for

app = Flask(\_\_name\_\_)

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message = request.form['message']

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if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0', port=5000)

## Index.html

<!-- index.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Gästebuch</title>

<link rel="stylesheet" href="{{ url\_for('static', filename='style.css') }}">

</head>

<body>

<h1>Gästebuch</h1>

<form action="/add" method="POST">

<input type="text" name="message" placeholder="Nachricht hinzufügen">

<button type="submit">Hinzufügen</button>

</form>

<div id="messages">

{% for message in messages %}

<p>{{ message }}</p>

{% endfor %}

</div>

<script src="{{ url\_for('static', filename='script.js') }}"></script>

</body>

</html>

## Add\_message.html

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## Css

/\* style.css \*/

body {

font-family: Arial, sans-serif;

}

h1 {

color: #333;

}

form {

margin-bottom: 20px;

}

input[type="text"] {

padding: 8px;

width: 300px;

margin-right: 10px;

}

button {

padding: 8px 15px;

background-color: #007bff;

color: #fff;

border: none;

cursor: pointer;

}

button:hover {

background-color: #0056b3;

}

#messages p {

margin-bottom: 10px;

}

## Script.js

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