Отчет об установке докера и запуске статичного сайта или Node-приложения + BPR

Отчет об установке docker'а:

```
~/hspu/it-5-6/docker-lab/node-app   docker --version
Docker version 20.10.16, build aa7e414fdc
~/hspu/it-5-6/docker-lab/node-app
```

Содержимое приложения:

```
const express = require('express');
const res = require('express/lib/response');

// Constants
const PORT = 8080;

// App
const app = express();
app.get('/', (req, res) => {
  res.send('Hello World');
});

app.listen(PORT, () => {
  console.log("ITS WORKING");
})
```

Содержимое dockerfile:

```
FROM node:18

RUN mkdir -p /home/node/app/node_modules && chown -R node:node /home/node/app

WORKDIR /home/node/app

COPY package*.json ./

RUN npm install

COPY . .

EXPOSE 8080
CMD [ "node", "server.js" ]
```

Отчет о билде контейнера:

```
 ~/hspu/it-5-6/docker-lab/node-app    sudo docker images
[sudo] пароль для rudnic:
REPOSITORY            TAG       IMAGE ID        CREATED         SIZE
rudnic/node-web-app   latest    b5da900adda1    3 hours ago     1GB
node                  18        372b746c33bc    40 hours ago    998MB
hello-world           latest    feb5d9fea6a5    8 months ago    13.3kB
```

Отчет о запуске контейнера:

```
 ~/hspu/it-5-6/docker-lab/node-app    sudo docker run -p 49160:8080 -d rudnic/node-web-app              126 ✗
c2897952e7541099fe73ab11573f37de37fa8356ac7385b3ac8af0653609c821
 ~/hspu/it-5-6/docker-lab/node-app    sudo docker ps                                                        ✓
CONTAINER ID   IMAGE                 COMMAND             CREATED         STATUS          PORTS
                      NAMES
c2897952e754   rudnic/node-web-app   "docker-entrypoint.s…"   10 seconds ago   Up 8 seconds    0.0.0.0:49160->8080/tcp,
 :::49160->8080/tcp    reverent_shirley
 ~/hspu/it-5-6/docker-lab/node-app                                                                          ✓
```

Пушим контейнер:

```
[rudnic@rudnic-x542uq node-app]$ sudo docker push rudnic/node-web-app
Using default tag: latest
The push refers to repository [docker.io/rudnic/node-web-app]
64e1a7c365f2: Preparing
58ae72cc7444: Preparing
d3e5808c778f: Preparing
dd254341f958: Preparing
b7fcd445d938: Preparing
2533cf1c85ad: Preparing
974fdac91463: Preparing
58ae72cc7444: Pushed
2fbabeba902e: Mounted from library/node
ee509ed6e976: Mounted from library/node
9177197c67d0: Mounted from library/node
7dbadf2b9bd8: Mounted from library/node
e7597c345c2e: Mounted from library/node
latest: digest: sha256:6ea0557eef55f3e1a310aa3c820a4f20f13847068a8fccc681a6ac798c71a2af size: 3051
```

На созданном в облаке сервере пуллим образ из хаба:

```
root@hollow-hangerer:~/app# docker pull rudnic/node-web-app
Using default tag: latest
latest: Pulling from rudnic/node-web-app
e756f3fdd6a3: Pull complete
bf168a674899: Pull complete
e604223835cc: Pull complete
6d5c91c4cd86: Pull complete
2cc8d8854262: Pull complete
b8798d556362: Pull complete
e8b220cd71fa: Extracting   40.37MB/45.73MB
ac6ecea6e097: Download complete
b4d2266d5d6c: Download complete
f4650eee5b45: Download complete
27ec57c67ecf: Download complete
17f06b51814f: Download complete
ef2d2a71f036: Download complete
```

Запускаем образ:

```
root@hollow-hangerer:~/app# docker images
REPOSITORY            TAG       IMAGE ID       CREATED        SIZE
rudnic/node-web-app   latest    9e0a9f37fdb3   6 minutes ago  1GB
root@hollow-hangerer:~/app# docker run --name node-web-app -p 80:8080 rudnic/node-web-app
ITS WORKING
-
```

Проверяем:

```
curl 81.163.27.211
Hello World
```