

# Laboratorium 5

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Grupa: 5.8

Wynik polecenia budującego obraz **'docker build -t lab5 .'**

```
MacBook-Air-DATA:docker data228$ docker build -t lab5 .
[+] Building 5.9s (15/15) FINISHED                                docker:desktop-linux
=> [internal] load build definition from Dockerfile              0.1s
=> => transferring dockerfile: 2.31kB                             0.0s
=> [internal] load .dockerignore                                0.1s
=> => transferring context: 2B                                     0.0s
=> [internal] load metadata for docker.io/library/nginx:latest  3.6s
=> [internal] load metadata for docker.io/library/node:alpine   2.2s
=> [auth] library/nginx:pull token for registry-1.docker.io     0.0s
=> [auth] library/node:pull token for registry-1.docker.io      0.0s
[=> [builder 1/4] FROM docker.io/library/node:alpine@sha256:ad255c65652e8 0.0s
=> CACHED [stage-1 1/3] FROM docker.io/library/nginx:latest@sha256:6db39 0.1s
=> => resolve docker.io/library/nginx:latest@sha256:6db391d1c0cfb30588ba 0.1s
=> [internal] load build context                                1.0s
=> => transferring context: 15.73MB                               0.9s
=> CACHED [builder 2/4] WORKDIR /app                             0.0s
=> [builder 3/4] COPY . .                                       0.2s
=> [builder 4/4] RUN echo "const http = require('http');" > app.js & 0.4s
=> [stage-1 2/3] COPY --from=builder /app/app.js /usr/share/nginx/html/a 0.1s
=> [stage-1 3/3] COPY nginx.conf /etc/nginx/nginx.conf         0.1s
=> exporting to image                                           0.1s
=> => exporting layers                                           0.1s
=> => writing image sha256:690882cd08e46142d67170a0c3846143c0003ebdfec42 0.0s
=> => naming to docker.io/library/lab5                          0.0s
```

## What's Next?

View a summary of image vulnerabilities and recommendations → [docker scout quickview](#)

```
MacBook-Air-DATA:docker data228$
```

Polecenie które uruchamia serwer: **'docker run -dt -p 8080:80 lab5'**

```
[MacBook-Air-DATA:docker data228$ docker run -dt -p 8080:80 lab5
e65030624d06e807547e99732c0ca326a55f33ffacd75d96d7665d467beecf31
```

Wynik polecenia **'docker ps'**

```
MacBook-Air-DATA:docker data228$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS                               NAMES
e65030624d06   lab5     "/docker-entrypoint.…"   5 minutes ago    Up 5 minutes (healthy)    0.0.0.0:8080->80/tcp      brave_elgamal
MacBook-Air-DATA:docker data228$
```

Wynik polecenia **'http://localhost:8080/app.js'**

```
[MacBook-Air-DATA:docker data228$ curl http://localhost:8080/app.js
const http = require('http');
const os = require('os');
const server = http.createServer((req, res) => {
  res.writeHead(200, { 'Content-Type': 'text/plain' });
  res.write('Adres IP serwera: ' + getIpAddress() + '\n');
  res.write('Lab5: ' + os.hostname() + '\n');
  res.end('Wersja aplikacji: ' + process.env.VERSION + '\n');
});
server.listen(3000);
function getIpAddress() {
  const interfaces = os.networkInterfaces();
  let ipAddress = '';
  for (const key in interfaces) {
    for (const iface of interfaces[key]) {
      if (iface.family === 'IPv4' && !iface.internal) {
        ipAddress = iface.address;
        break;
      }
    }
  }
  if (ipAddress) break;
}
```