

## Sprawozdanie z zadania dodatkowego

### PDF PONIEWAŻ NIE MAM DOSTĘPU DO GITHUBA

Plik Dockerfile zmodyfikowany pod dwie architektury

```
0 FROM busybox:uclibc
1 LABEL org.opencontainers.image.authors="Hubert Kiszka"
2 COPY app.sh /app.sh
3 ARG TARGETARCH
4 COPY bash-linux-x86_64 bash-linux-aarch64 /tmp/
5 RUN if [ "$TARGETARCH" = "amd64" ] || [ "$TARGETARCH" = "" ]; then \
6     cp /tmp/bash-linux-x86_64 /bin/bash; \
7     elif [ "$TARGETARCH" = "arm64" ]; then \
8         cp /tmp/bash-linux-aarch64 /bin/bash; \
9     else \
10         echo "Unsupported architecture: $TARGETARCH"; \
11         exit 1; \
12     fi && \
13     chmod +x /bin/bash && \
14     chmod +x /app.sh && \
15     rm -f /tmp/bash-linux-*
16 EXPOSE 8080
17 CMD ["/bin/bash", "/app.sh"]
```

Obraz nie ma żadnych zagrożeń ponieważ zawiera wyłącznie skrypt bash obrazie.

```
kiszka@bert-laptop:~/Pulpit/lab89Docker$ trivy image lab9
2025-04-29T13:20:35.964+0200 INFO Vulnerability scanning is enabled
2025-04-29T13:20:35.964+0200 INFO Secret scanning is enabled
2025-04-29T13:20:35.964+0200 INFO If your scanning is slow, please try '--security-checks vuln' to disable secret scanning
2025-04-29T13:20:35.964+0200 INFO Please see also https://aquasecurity.github.io/trivy/0.30.0/docs/secret/scanning/#recommendation for faster secret detection
2025-04-29T13:20:36.011+0200 INFO Number of language-specific files: 0
kiszka@bert-laptop:~/Pulpit/lab89Docker$
```

Stworzyłem wymagany builder

```
kiszka@bert-laptop:~/Pulpit/lab89Docker$ docker buildx create --name addbuilder --driver docker-container --bootstrap
[+] Building 7.4s (1/1) FINISHED
=> [internal] booting buildkit 7.4s
=> => pulling image moby/buildkit:buildx-stable-1 7.0s
=> => creating container buildx_buildkit_addbuilder0 0.3s
addbuilder
kiszka@bert-laptop:~/Pulpit/lab89Docker$ docker buildx ls


| NAME/NODE      | DRIVER/ENDPOINT                | STATUS  | BUILDKIT | PLATFORMS                   |
|----------------|--------------------------------|---------|----------|-----------------------------|
| addbuilder     | docker-container               |         |          |                             |
| \_ addbuilder0 | \_ unix:///var/run/docker.sock | running | v0.20.2  | linux/amd64 (+3), linux/386 |
| default*       | docker                         |         |          |                             |
| \_ default     | \_ default                     | running | v0.21.0  | linux/amd64 (+3), linux/386 |
| desktop-linux  |                                | error   |          |                             |


Cannot load builder desktop-linux: Cannot connect to the Docker daemon at unix:///home/kiszka/.docker/desktop/docker.sock. Is the docker daemon running?
kiszka@bert-laptop:~/Pulpit/lab89Docker$ docker buildx use addbuilder
```

Komenda i budowanie obrazu z builderem i cachem

```

kiszka@bert-laptop:~/Pulpit/lab89Docker$ docker buildx build --push -t kiszkahubert/app:latest --cache-to type=inline --cache-from type=registry,ref=kiszkahubert/app:latest --platform linux/amd64,linux/arm64 .
[+] Building 8.9s (17/17) FINISHED                                docker-container:adbbuilder
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 626B                                              0.0s
=> [linux/amd64 internal] load metadata for docker.io/library/busybox:uclibc      0.5s
=> [linux/arm64 internal] load metadata for docker.io/library/busybox:uclibc      0.4s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> ERROR importing cache manifest from kiszkahubert/app:latest                    0.8s
=> [internal] load build context                                                  0.0s
=> => transferring context: 3.72MB                                                0.0s
=> [linux/amd64 1/4] FROM docker.io/library/busybox:uclibc@sha256:ed0455a0f719c9f203d2ec745682ed78854395fe419b 0.0s
=> => resolve docker.io/library/busybox:uclibc@sha256:ed0455a0f719c9f203d2ec745682ed78854395fe419bfac8b6ea2ee2 0.0s
=> [auth] kiszkahubert/app:pull token for registry-1.docker.io                  0.0s
=> [linux/arm64 1/4] FROM docker.io/library/busybox:uclibc@sha256:ed0455a0f719c9f203d2ec745682ed78854395fe419b 0.0s
=> => resolve docker.io/library/busybox:uclibc@sha256:ed0455a0f719c9f203d2ec745682ed78854395fe419bfac8b6ea2ee2 0.0s
=> CACHED [linux/amd64 2/4] COPY app.sh /app.sh                                0.0s
=> CACHED [linux/arm64 2/4] COPY app.sh /app.sh                                0.0s
=> [linux/amd64 3/4] COPY bash-linux-x86_64 bash-linux-aarch64 /tmp/            0.0s
=> [linux/arm64 3/4] COPY bash-linux-x86_64 bash-linux-aarch64 /tmp/            0.0s
=> [linux/arm64 4/4] RUN if [ "amd64" = "amd64" ] || [ "arm64" = "" ]; then      cp /tmp/bash-linux-x86_64 0.1s
=> [linux/amd64 4/4] RUN if [ "amd64" = "amd64" ] || [ "arm64" = "" ]; then      cp /tmp/bash-linux-x86_64 0.1s
=> exporting to image                                                            7.4s
=> => exporting layers                                                            0.2s
=> => preparing layers for inline cache                                          0.0s
=> => exporting manifest sha256:2c348a0ace3f8befbc91a442e733d6014f1b7d4355ead9d32da897047a469b48 0.0s
=> => exporting config sha256:31fadd232df92763046fc7229a2c408997da7b7613d748b5a49959e88f8a4f7d 0.0s
=> => exporting attestation manifest sha256:dd149133d71fc3d1272ed65c9c82bf608caff4f8849c7bffa4d9a1180fe2ba26 0.0s
=> => exporting manifest sha256:fdca434a42bff44afaf0118ba9ef56d56da8b5b6879d9d457d6978f73dc5c76e 0.0s
=> => exporting config sha256:f66ae681a58ccc594bb33b55537d0f9f30daaa441c16d5c2e7a487d9ca47a0ad 0.0s
=> => exporting attestation manifest sha256:023e3fb8de40f88700e9846923daacd8f71b3d34c8e756e96827e7147303cb8b 0.0s
=> => exporting manifest list sha256:7fc48e2d354f6513e45ba56c70cfd68b75ca7646e0ae16414bdb7c4b8cf0077 0.0s
=> => pushing layers                                                            3.7s
=> => pushing manifest for docker.io/kiszkahubert/app:latest@sha256:7fc48e2d354f6513e45ba56c70cfd68b75ca7646e 3.5s
=> [auth] kiszkahubert/app:pull,push token for registry-1.docker.io            0.0s
-----
> importing cache manifest from kiszkahubert/app:latest:
-----
View build details: docker-desktop:///dashboard/build/adbbuilder/adbbuilder0/mxxmww1jyual9mil93ut070m2

```

## Sprawdzenie manifestu

```
kiszka@bert-laptop:~/Pulpit/lab89Docker$ docker manifest inspect kiszkahubert/app:latest
{
  "schemaVersion": 2,
  "mediaType": "application/vnd.oci.image.index.v1+json",
  "manifests": [
    {
      "mediaType": "application/vnd.oci.image.manifest.v1+json",
      "size": 1051,
      "digest": "sha256:2c348a0ace3f8befbc91a442e733d6014f1b7d4355ead9d32da897047a469b48",
      "platform": {
        "architecture": "amd64",
        "os": "linux"
      }
    },
    {
      "mediaType": "application/vnd.oci.image.manifest.v1+json",
      "size": 1052,
      "digest": "sha256:fdca434a42bff44afaf0118ba9ef56d56da8b5b6879d9d457d6978f73dc5c76e",
      "platform": {
        "architecture": "arm64",
        "os": "linux"
      }
    },
    {
      "mediaType": "application/vnd.oci.image.manifest.v1+json",
      "size": 566,
      "digest": "sha256:dd149133d71fc3d1272ed65c9c82bf608caff4f8849c7bffa4d9a1180fe2ba26",
      "platform": {
        "architecture": "unknown",
        "os": "unknown"
      }
    },
    {
      "mediaType": "application/vnd.oci.image.manifest.v1+json",
      "size": 566,
      "digest": "sha256:023e3fb8de40f88700e9846923daacd8f71b3d34c8e756e96827e7147303cb8b",
      "platform": {
        "architecture": "unknown",
        "os": "unknown"
      }
    }
  ]
}
```