

# PCAP generator

Generation of pcap files using python and docker.

## Installation

Docker, docker compose and docker swarm is needed to run scenarios.

1. Install Docker on Linux: CentOS, Debian, Fedora, or Ubuntu.
2. Post installation steps do run Docker as non sudo user: <https://docs.docker.com/install/linux/linux-postinstall/>
3. Install Docker Compose.
4. *Optional* for Docker Swarm on multiple computers - init cluster

## Usage

All scenarios are in the **scenarios** directory. Scenarios can be run by **cd** to the directory and run bash script **bash run.sh**. The script runs the docker-compose file, waits 10 minutes and then ps containers and kills them.

Manual way to run a scenario:

Information obtained from: Kali Tool pagebash docker stack deploy -compose-file docker-compose.yml webservice

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Monitor running containers:

```
docker stack ps --no-trunc webservice
```

Show logs for given service:

```
docker service logs webservice_[container_name]
```

Terminate running scenario:

```
docker stack rm webservice
```

Note: in all scenarios is **webservice** name of service which containers run under.

## Another docker useful commands

```
docker tag mylocalimage:latest username/reponame:tag
```

```
docker push username/reponame:tag
```

```
docker service logs webservice_http_fuzz
```

```
docker tag udfb/nginx-tcpdump udfb/nginx-tcpdump
docker push udfb/nginx-tcpdump
```

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