


DOCKER

PRACA DOMOWA



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TUTORIAL 1 - HELLO WORLD

docker container run hello-world

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there
> are



Type or

```
#                                                                    #
# The PWD team.                                                        #
#####
[node1] (local) root@192.168.0.18 ~
$ docker container run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
d1725b59e92d: Pull complete
Digest: sha256:0add3ace90ecb4adbf7777e9aacf18357296e799f81cab9fde470971e499
788
Status: Downloaded newer image for hello-world:latest
Hello from Docker!
This message shows that your installation appears to be working correctly.
```

TUTORIAL 1 - SZYBKI CENTOS W INNEJ WERSJI (6)

```
docker container run centos:6 cat /etc/redhat-release
```

```
[node1] (local) root@192.168.0.18 ~  
$ docker container run centos:6 cat /etc/redhat-release  
Unable to find image 'centos:6' locally  
6: Pulling from library/centos  
9bfcefca2b8d: Pull complete  
Digest: sha256:935c45b2e2c4f01aa5a6ff8625632390c7685835a8dfcfdd50790aabc9c24  
d11  
Status: Downloaded newer image for centos:6  
CentOS release 6.10 (Final)  
[node1] (local) root@192.168.0.18 ~  
$
```

TUTORIAL 1 - KATALOG UBUNTU VS CENTOS

lsb-release

```
root@24cba3493602:/etc# cat lsb-release
DISTRIB_ID=Ubuntu
DISTRIB_RELEASE=18.04
DISTRIB_CODENAME=bionic
DISTRIB_DESCRIPTION="Ubuntu 18.04.1 LTS"
```

TUTORIAL 1 - ODPALONE WCZEŚNIEJ INSTANCJE

docker container run -a

```
$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
	PORTS	NAMES		
24cba3493602	ubuntu	"/bin/bash"	14 minutes ago	Exited (0) Ab
out a minute ago		competent_keldysh		
98a65e7c390d	ubuntu	"/bin/bash"	14 minutes ago	Exited (0) 14
minutes ago		lucid_dijkstra		
9cdc41253e66	ubuntu	"/bin/bash"	15 minutes ago	Exited (0) 15
minutes ago		vibrant_nightingale		
5c70dfb8f97e	centos:6	"cat /etc/redhat-rel..."	26 minutes ago	Exited (0) 26
minutes ago		focused_mendeleev		
307796b56235	hello-world	"/hello"	32 minutes ago	Exited (0) 32
minutes ago		reverent_yonath		

PRZERWA NA KAWKĘ



to nie kawka :/

TUT 2 - WEJŚCIE DO BASHA NA UBUNTU

zainstalowanie paczki figlet i wyświetlenie napisu

```
root@18548ad397f6:/# figlet "hello docker"
```

[illegible]

TUT 2 - UTWORZENIE OBRAZU

`docker container commit <CONTAINER_ID>`

Dodanie taga(u)(?) - `docker image tag <IMAGE_TAG> ourfiglet`

```
$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED
ourfiglet	latest	a998e3c7f7c3	2 minutes ago
ubuntu	latest	93fd78260bd1	2 weeks ago

TUT 2 - TEST OBRAZU

`docker container run ourfiglet figlet adam konopka`

```
$ docker container run ourfiglet figlet adam konopka
```



adam konopka

TUT 2 - ZAINSTALOWANIE VIM I UTWORZENIE INDEX.JS

apt-get update & apt-get install vim

```
root@7948c66fda59:/home# vim index.js
root@7948c66fda59:/home# cat index.js
var os = require('os')
var hostname = os.hostname()
console.log('hello from ' + hostname)
root@7948c66fda59:/home#
```

TUT 2 - ZBUDOWANY KONTENER Z DOCKERFILE

oraz uruchomiona aplikacja.

```
Successfully built f5660008afca  
Successfully tagged hello:v0.1  
[nodel] (local) root@192.168.0.23 -  
$ docker container run hello:v0.1  
hello from 070edd970af1
```

}

TUT 3 - DOŁĄCZENIE 2 INSTANCJI DOCKERA

```
[node2] (local) root@192.168.0.32 ~  
$ docker swarm join --token SWMTKN-1-2dvillemlhc299ujcmjxh5phcbhr5zkhsvims4w  
06g6iildegj-a4hlc4n3ofa9d8owzgb3nqcr2 192.168.0.33:2377  
This node joined a swarm as a worker.
```

...

Ciąg dalszy nastąpi.