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**All production systems are on top of Docker,  
AWS and Kubernetes**

# **Different ways to use Docker**

**.. and little bit cloud.**

**Even if you would not run them in production.**



**We can't use Docker or  
Cloud, because ...**

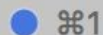
**There are several ways to  
use Docker or Cloud even  
if you would not take the  
final step**



**Package different tools**



bash



⌘1



bash

⌘2

✓ ~/project/pydocker

```
16:34 $ docker run python python --version
```

```
Python 3.6.1
```

✓ ~/project/pydocker

```
16:34 $ docker run python:2.7.7 python --version
```

```
Python 2.7.7
```

✓ ~/project/pydocker

```
16:34 $ cat ../../bin/pydocker
```

```
#!/bin/bash
```

```
docker run --rm -v "$PWD:/wd" --workdir /wd python:2.7.7 python $@
```

✓ ~/project/pydocker

```
16:34 $ pydocker example.py
```

```
Hello Konttikerholaiset!
```

✓ ~/project/pydocker

```
16:34 $ █
```

**Run test and development  
databases**



# Local development

If you've done any development, you know...

**Keeping your environment in shape is painful**

**Switching between environments is painful**

with containers..

**Developer can install all required components as container images to developer laptop**

# Run tests in mini environments

e.g package browsers

# Lambdas or other #serverless services

# Internal services

# Test environments

# Possibilities are endless

even if you don't go all the way

**S3 for cheap storage**

**S3 for easy static web hosting**

**webtask.io**

**image recognition**

**sqs**

**AWS lambda**

**API Gateway**



**Thank you**

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