



# docker

*Prague Meetup*  
**24.10.17**

Our sponsor today:



# Agenda:

1. What's new in Docker?
2. “containerd Internals: Building a Core Container Runtime” by Stephen Day
4. Pub ?

What's new in Docker?

# Docker EE 17.06

- Image Promotions and Immutable Repos (DTR)
- Mixed Linux and Windows Clusters
- Multi-Stage Builds
- A LOT of other features: <https://goo.gl/b3Nasj>

# Docker CE 17.09

- Add --chown flag to ADD/COPY commands in Dockerfile

- flag allows any uid/username and gid/groupname combination separated by a colon, e.g.:

- `--chown=someuser:555`

- `--chown=anyuser:anygroup`

- `--chown=1001:1002`

- Add the control plane MTU option in the daemon config (so you can put MTU > 1500)
- A LOT of other things: <https://goo.gl/ptU6ru>

# Multi-Stage Builds

```
FROM node:latest AS storefront
```

```
WORKDIR /usr/src/atsea/app/react-app
```

```
COPY react-app/package.json .
```

```
RUN npm install
```

```
COPY . /usr/src/atsea/app
```

```
RUN npm run build
```

```
FROM maven:latest AS appserver
```

```
WORKDIR /usr/src/atsea
```

```
COPY pom.xml .
```

```
RUN mvn -B -f pom.xml -s /usr/share/maven/ref/settings-docker.xml dependency:resolve
```

```
COPY . .
```

```
RUN mvn -B -s /usr/share/maven/ref/settings-docker.xml package -DskipTests
```

```
FROM java:8-jdk-alpine
```

```
WORKDIR /static
```

```
COPY --from=storefront /usr/src/atsea/app/react-app/build/ .
```

```
WORKDIR /app
```

```
COPY --from=appserver /usr/src/atsea/target/AtSea-0.0.1-SNAPSHOT.jar .
```

```
ENTRYPOINT ["java", "-jar", "/app/AtSea-0.0.1-SNAPSHOT.jar"]
```

```
CMD ["--spring.profiles.active=postgres"]
```

docker  
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# Docker: Now Powered by Swarm and Kubernetes

1

.....→  
The best enterprise  
container security and  
management

Docker Enterprise Edition

Docker Community Edition

3

.....→  
Compatibility with  
the Kubernetes and  
Swarm ecosystems



kubernetes



containerd

2

←.....  
The best container  
development workflow

4

←.....  
Industry-standard  
container runtime

If you want to join beta:

<https://docker.com/kubernetes>

# For more info ...

DockerCon Europe Recap: Highlights and Announcements!

<https://goo.gl/fUvABq>

We have some swag for you ;)

Stephen Day, Docker Inc

**“containerd Internals: Building a Core Container Runtime”**