

# Siemens Training Notes

If Google Doc not works, try Etherpad: <https://etherpad.net>

## Day 1

**URL:** <https://www.katacoda.com/lloodse/training/docker-siemens>

**Fallback URL:** <https://www.katacoda.com/lloodse/courses/docker>

**Access Code:**

lloodse-siemens-03-2019

### Google Account

**User** training1@lloodse.com - training15@lloodse.com

**PW** K8sTraining

----- BREAK -----

Start 11:30

### Docker Daemon log driver:

<https://docs.docker.com/config/containers/logging/configure/>

### Docker Installation:

<https://docs.docker.com/install/linux/docker-ce/ubuntu/>

### Docker Best Practices for writing Dockerfiles:

[https://docs.docker.com/develop/develop-images/dockerfile\\_best-practices/](https://docs.docker.com/develop/develop-images/dockerfile_best-practices/)

### Multi Stage Images:

<https://docs.docker.com/develop/develop-images/multistage-build/>

### Delete stopped containers

```
docker system prune
```

### Docker Daemon Config

<https://docs.docker.com/config/daemon/systemd/>

### Docker Registry:

- <https://quay.io>
- <https://github.com/goharbor/harbor>

### docker --format options:

<https://docs.docker.com/engine/reference/commandline/ps/#options>

### headless container:

<https://github.com/ConSol/docker-headless-vnc-container>

# Siemens Training Notes

----- more courses -----

## **Docker Compose Course:**

<https://www.katacoda.com/courses/docker/11>

## **Docker Swarm Course:**

<https://www.katacoda.com/courses/docker-orchestration/deploy-swarm-services-with-compose>

----- LUNCH BREAK -----

UNTIL 13:00

----- Kubernetes -----

## **Kubernetes Katacoda:**

<https://www.katacoda.com/courses/kubernetes>

## **Microservices:**

Martin Fowler <https://martinfowler.com/microservices/>

## **Cloud Native Best Business Practices (Part 1): Containerization Cuts Costs**

<https://www.loodse.com/blog/2019-02-26-cloud-native/>

## **KubeCon Seattle Recap**

<https://www.loodse.com/blog/2019-01-07-kubecon-seattle-recap/>

## **Talks of latest KubeCon:**

[https://www.youtube.com/playlist?list=PLj6h78yzYM2PZf9eA7bhWnlh\\_mK1vyOfU](https://www.youtube.com/playlist?list=PLj6h78yzYM2PZf9eA7bhWnlh_mK1vyOfU)

## **CNCF Webinar Series**

<https://www.cncf.io/community/recorded-events/>

## **CNCF Webinar Series – Introducing Kubernetes IoT Edge working group**

<https://www.cncf.io/community/webinars/introducing-kubernetes-iot-edge-working-group/>

## **Docker Pirates ARMed with explosive stuff**

<https://blog.hypriot.com>

## **Building a hybrid x86-64 and ARM Kubernetes Cluster**

<https://medium.com/@carlopedp/building-a-hybrid-x86-64-and-arm-kubernetes-cluster-e7f94ff6e51d>

# Siemens Training Notes

## Introduction to Kubernetes Cluster-API Project

<https://www.loodse.com/blog/2018-11-08-cluster-api-introduction/>

## Certmanger with self-signed CA:

<https://docs.cert-manager.io/en/venafi/tutorials/ca/creating-ca-issuer.html>

## Secure Secret Store:

- Vault & Kubernetes: <https://github.com/Boostport/kubernetes-vault>

## If you want to enable the metrics server:

Needed for ``kubectl top node/pod``

<https://github.com/kubernetes-incubator/metrics-server>

<https://stackoverflow.com/questions/52702416/kubernetes-kubectl-top-nodes-pods-not-working>

## CNI Resources

[Overview CNI provider](#)

[Benchmark CNI](#)

[Overview Network Model](#)

---

## Feedback Training & Training Material:

- 
-