



Welcome to

## 6. SOA, EAI, ESB - connecting the dots

KEA System Integration F2020 10 ECTS

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Slides are available as PDF, [kramse@Github](https://github.com/kramse)  
6-SOA-EAI-ESB-system-integration.tex in the repo security-courses

# This weeks Agenda in system integration



- Follow the plan:  
<https://zencurity.gitbook.io/kea-it-sikkerhed/system-integration/lektionsplan>
- Monday 09:00 - 10:00 Drop by and say hi in Zoom - watch fronter for more meetings
- Service-Oriented Architecture (SOA) Read chapters 1-5 in the SOA book, less pages than it seems - large figures on many pages!
- Exercises in database and cloud computing, Start the hand-in assignment I

## Exercises

- Run PostgreSQL
- Why go to SOA
- Cloud Computing Introduction, Cloud Deployment
- Download the Microservices ebook

# Goals for this week in system integration



This weeks goals:

- Meet me in Zoom at least once, watch Fronter for more meeting times
- Get an understanding of the SOA book and SOA
- Find time to do some exercises, communicate with friends, students and instructor

I know it can be hard to find the time, with Corona news, kids etc. Do your best and stay safe, wash your hands.

Photo by Thomas Galler on Unsplash

# Reading Summary



SOA ch 1-5:

- CHAPTER 1: Introduction
- CHAPTER 2: Case Study Backgrounds
- CHAPTER 3: Understanding Service-Orientation
- CHAPTER 4: Understanding SOA
- CHAPTER 5: Understanding Layers with Services and Microservices

# Exercise



Now lets do the exercise

## Run PostgreSQL

which is number **10** in the exercise PDF.

# Exercise



Now lets do the exercise

## Why go to SOA 45 min

which is number **11** in the exercise PDF.

# Exercise



Now lets do the exercise

## Cloud Computing Introduction 45 min

which is number **12** in the exercise PDF.

# Exercise



Now lets do the exercise

## Cloud Deployment 45 min

which is number **13** in the exercise PDF.



# Exercise



Now lets do the exercise

## Download the Microservices ebook 20 min

which is number **14** in the exercise PDF.

## For Next Time



Think about the subjects from this time, write down questions

Check the plan for chapters to read in the books

Visit web sites and download papers if needed

Retry the exercises to get more confident using the tools