



- 4.
- a. Describe the different actors and their roles in an SOA architecture model. (3p)
  - b. Describe the concepts of SOA and Software as a Service (SaaS). How do they differ and how do they fit together? (3 p)

5. Essay question (6p)

Write a short essay (1-2 pages) about **one** of the following topics:

- **SOA and Cloud Computing.**  
Explain what kind of issues need to be addressed in combining SOA and Cloud Computing. Is Cloud Computing useful for SOA? Why or why not?
- **SOA Governance.**  
What is SOA Governance about and what is it good for? What kind of models and viewpoints are typically identified in relation to SOA Governance?
- **SOA Security.**  
Explain what kind of issues are involved in SOA Security. Are specific SOA Security approaches needed compared to traditional security approaches? Why or why not?