



Welcome to

9. Network Attacks Intro

KEA Kompetence OB2 Software Security 2019

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Slides are available as PDF, [kramse@Github](https://github.com/kramse)
9-network-attacks-intro.tex in the repo [security-courses](https://github.com/kramse/security-courses)

Plan for today



Subjects

- Internet Protocol
- TCP and UDP
- Firewalls and related issues
- Intrusion Detection
- Host and Networks Based Intrusion Detection (HIDS/NIDS)
- Network Security Monitoring

Exercises

- SYN flooding exercise

Reading Summary



AoSSA chapters 14: Network Protocols

AoSSA chapters 15: Firewalls

Goals:



Internet Protocol



TCP and UDP



Firewalls and related issues



Intrusion Detection



Host and Networks Based Intrusion Detection (HIDS/NIDS)



Network Security Monitoring



Exercise



Now lets do the exercise

SYN flooding exercise

which is number **17** 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

Most days have less than 100 pages, but some days may have more!

Visit web sites and download papers if needed

Retry the exercises to get more confident using the tools

Buy the books!