Welcome to

5. Hybrid Policies

KEA Kompetence Computer Systems Security 2019

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Slides are available as PDF, kramse@Github

5-hybrid-policies.tex in the repo security-courses

Plan for today

Subjects

- Chinese Wall model - Confidentiality and Integrity
- Medical records security policy
- Role-based Access Control (RBAC)
- Side Channels and Deducibility
- Memory errors and Row hammer

Exercises

- Find example medical security policies
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Reading Summary

Bishop chapter 8: Hybrid Policies

Bishop chapter 9: Noninterference and Policy Composition

Browse: Using Memory Errors to Attack a Virtual Machine paper

An Experimental Study of DRAM Disturbance Errors

Exploiting the DRAM rowhammer bug to gain kernel privileges

`https://en.wikipedia.org/wiki/Row_hammer`

Medical records security policy

Role-based Access Control (RBAC)

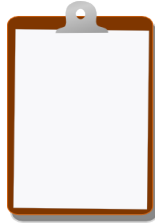# Memory errors and Row hammer

Exercise

Now lets do the exercise

Medical Security Oolicies

which is number **10** 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