



Welcome to

3. Security Policies / Confidentiality Policies

KEA Kompetence Computer Systems Security 2019

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Slides are available as PDF, kramse@Github
3-security-policies.tex in the repo security-courses

Plan for today



Subjects

- Security policy
- Discretionary Access Control (DAC)
- Mandatory Access Control (MAC)
- Example Acceptable Use Policies
- Example Academic Computer Security Policy from the book
- Confidentiality Policies Bell-LaPadula Model

Exercises

- A look at SE Linux
- Find your AUP for the ISPs we use, you use, your company uses

Reading Summary



Bishop chapter 4: Security Policies

Bishop chapter 5: Confidentiality Policies

Appendix G: Example Academic Security Policy

Browse: Campus Network Security: High Level Overview , Network Startup Resource Center Campus Operations Best Current Practice, Network Startup Resource Center Mutually Agreed Norms for Routing Security (MANRS)

Security policy



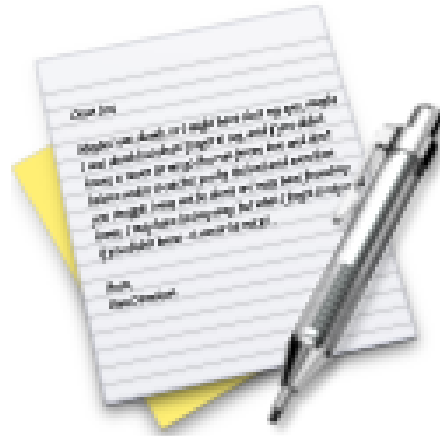
Discretionary Access Control (DAC)



Mandatory Access Control (MAC)



Exercise



Now lets do the exercise

SELinux Introduction

which is number **6** in the exercise PDF.

Example Acceptable Use Policies



Example Academic Computer Security Policy from the book



Exercise



Now lets do the exercise

Example AUPs

which is number **7** in the exercise PDF.

Confidentiality Policies Bell-LaPadula Model



Real world policies

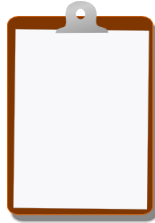


Campus Network Security: High Level Overview , Network Startup Resource Center Campus Operations Best Current Practice, Network Startup Resource Center



Mutually Agreed Norms for Routing Security (MANRS)

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