

2110413 Computer Security

Lecture 3 Authorization and Policy

Krerk Piromsopa, Ph.D. Department of Computer Engineering Chulalongkorn University

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Policy

- "It is a definite course or method of action selected from among alternatives and in light of given conditions to guide and determine present and future decisions" – [Merriam-Webster online Dictionary]
- A security policy is a statement that partitions the states of the system into a set of authorized, or secure, states and a set of unauthorized or insecure, states. [BISHOP].



























- A superuser can access every file in a system (including files that he/she does not created). Do you think it is correct?
- Your favorite word processor can open arbitrary files that are accessible by you (including binary files). Thus, your word processor is basically you. Does it sound right?

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What to do with it?

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More Examples

- Reverse Engineering of Software.
 - Team A studies the software and writes a specification.
 - Team B uses specification to create a new software.



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Term Report

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What to include in the report?

- 3-4 pages (format will be provide)
- Overviews (General Concepts)
- Protocol/Specification
- Usages
- Does it Secure?

- Possible Attacks or possible workaround.
- Analysis (Pros and Cons) i.e. Will you use it? Why?
- References
- Due last day of class