

Security Policy

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*Draws extensively from:
Memon's notes, Brooklyn Poly
Pfleeger Text, Chapter 5
Bishop's text, Chapter 4,
Bishop's slides, Chapter 4*

Security Services in an OS

- A general purpose OS provides the following security mechanisms:
 - Memory protection
 - File protection
 - General object protection
 - Access authentication
- How do we go about designing a “trusted” OS (one that we believe provides the above)?
- We prefer the term “trust” as opposed to “secure”.

Need

- Policy: description of requirements
- Model: policy representation
- Design: implementation of policy
- Trust: based on features and assurance