The Effect of Public Budgetary and Policy Decisions on Development of Trusted Systems

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Who Cares?

• It’s 10 pm….
  – Do you know where your computer is?

• Computers as consumer items
  – Equivalent to your toaster

• And yet….
  – What are computers used for?
  – Medical, cars, planes, phones, financial records, R&D, time keeping, etc

• Wouldn’t it be nice
  – To be sure that they worked correctly?
Establishing Trust

• Answering the hard questions
  – What does security mean?
  – What does trust mean?

• Measuring trust
  – Define a process for establishing a level of trust
  – Define standards for trustedness
  – Test and evaluate

• The problem
  – Time and money
  – Compounded by lack of demand
    • (which is interesting in and of itself)
Standards Exist

• A brief history:
  – 1993: Canadian Trusted Computer Product Evaluation Criteria

• And yet, few trusted products are easily available at the consumer level

• Reasons include:
  – Cost of secure development
  – Time to evaluate
  – Currency of technology at end of process
The History

Random???

Chi Square P = .0028
Public Policy, Trusted Systems

- HIPAA Talks Begin
- DoD Budget Plus-up for Infosec
- “C2 by 92”
- Computer Fraud & Abuse Act
- GAO Report
- Orange Book
- HIPAA Passed
- CC V1
- CC V2

Years: 1984 to 2000

Graphical representation showing various milestones and events in the history of computer security and policy.
Adjusted for Time

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