

Attacks: how mean computers hurt nice computers

- **How:**

- Phishing
 - *Have you been targeted? Has an attack been successful?*
- [Distributed] Denial of Service
- Ransomware attacks

- **Why:**

- Random acts of vandalism
- State actors
- Cybercrime: professionalization of malware
 - renting botnets (DDoS; spam)
 - stealing credit card numbers, passwords

Bios-Based Spyware



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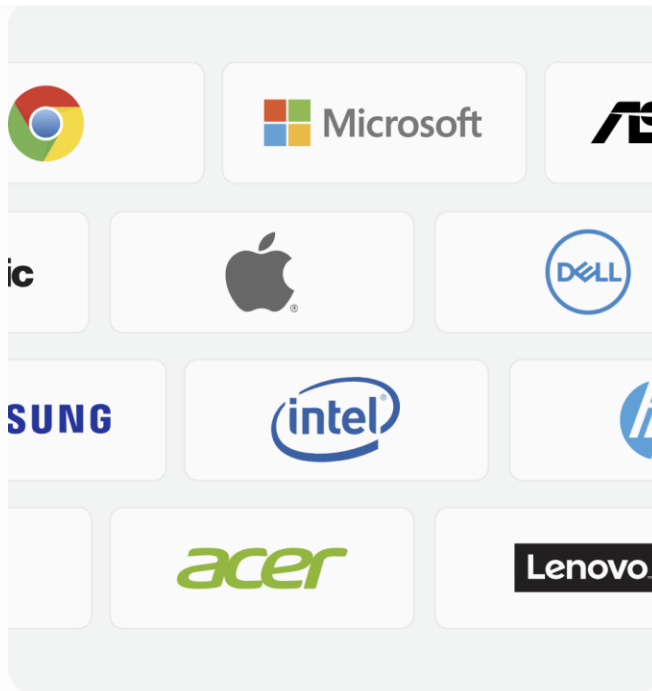
Every endpoint should be a safe endpoint.

And every network should be a secure network.

That's why we work with independent software vendors, managed service providers, device manufacturers, and resellers to extend the benefits of Absolute to their customers.

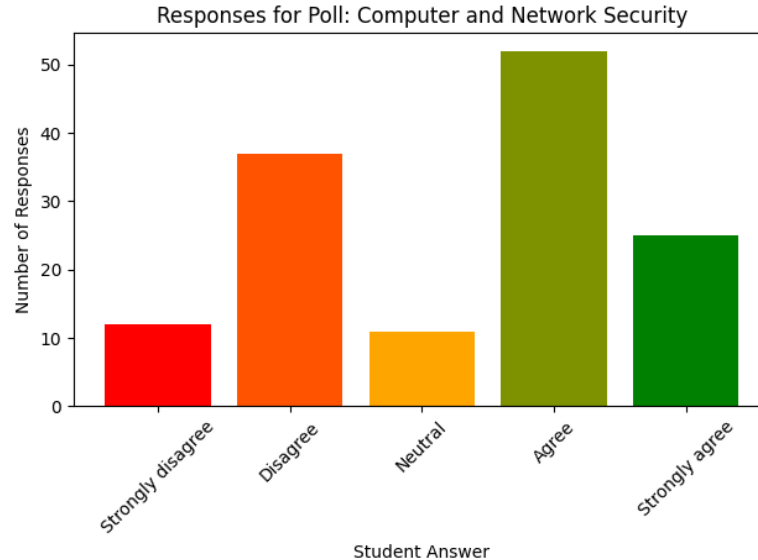
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Computer and Network Security

“Canadians should be able to vote online in federal, provincial and municipal elections.”



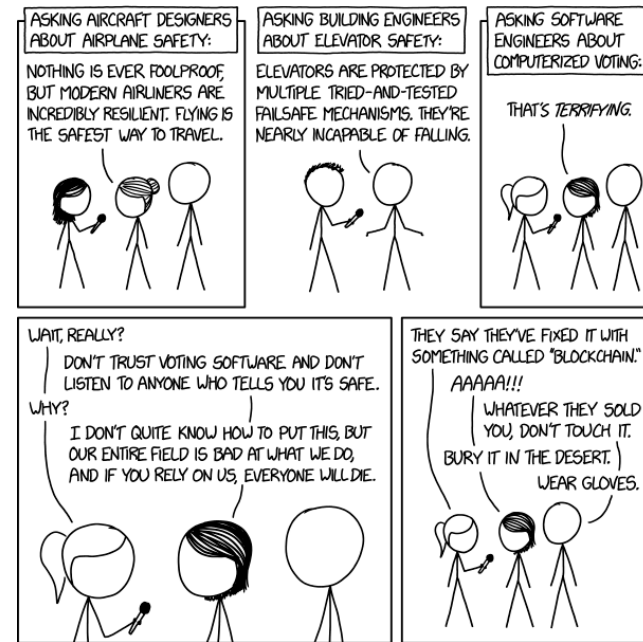
Online Voting

- **Motivation:**

- More people would vote
- Votes would be counted more quickly
- Cost less money
- Avoid disputed elections like Florida 2000
- Eliminate ballot box tampering
- Software can prevent accidental over-, under-voting

- **Risks:**

- Gives unfair advantage to those with computers
- More difficult to preserve voter privacy
- More opportunities for vote selling
- Obvious target for a DDoS attack
- Security of election depends on security of home computers
- Susceptible to phony vote servers, manipulation by foreign governments
- No paper copies of ballots for auditing or recounts
- Reduction in perceived legitimacy of elections even if everything works



Electronic Money

- Financial transactions are increasingly moving online
- Advantages
 - easier transactions
 - easier access to credit
 - discourages black market economy
 - prevents businesses from having to carry cash floats
- Disadvantages
 - empowers a few corporations
 - less anonymity
 - security risks
- *Other advantages/disadvantages? What do you think?*