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MAIN SESSION
Security, Privacy and Openness

Panel Opening Points

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Background

- I work with Incident Management, Incident Handling and Incident Response at CERT.br for 10 years

- Work daily with organizations and individuals affected by Internet Security Incidents and Cyber Crime

- Have several projects to use honeypot sensors to understand threats and develop more effective countermeasures

Origin of Threats

- The threats are coming from **cyber crime**

- They will continue to come from **cyber crime**

- **As more information goes online, the criminals' incentives to perpetrate crimes will increase**

Criminals are exploiting

- Software vulnerabilities

- A huge base of unpatched and vulnerable software, specially in developing countries

- People's trust and lack of knowledge
  - people don't understand the technology itself – the tchnology is too complex for general users
  - then, in turn, it is hard to understand how to reduce the risk online

Countermeasures

- Most countermeasures are being taken without considering privacy concerns
  - some of them not even work

- As a result, valid countermeasures are being questioned and not implemented in name of privacy

- complyance does not equal security

- it is not always necessary to compromise privacy to have security

We are not addressing the root problem

- Software developers are coming unprepared to the market

- Security need to be a key concept in all disciplines
  - need to be integrated in all phases of the software development life cicle

- The same apply to groups that define standards
  - security needs to be addressed from the start
  - but we can't forget that if the implementation is poorly done, it will be vulnerable

Where to Apply Resources

- Education is key, but not only to end users

- If we don't change the way

  – universities teach

  – and software companies develop software

  I don't think we will be any better in 20 years

  The improvement will not come from the adoption of security tools