What is wrong with security?

Deep Inspection by David Maynor

Hey, what ya doing?

Just like a vuln scanner I am checking the security of the building by going to each door and going down a checklist... doorknob... check... locked. check. why do you ask?

Hrm... building fire is not on my check list so it must be fine.

Because the building is on fire...
What is wrong with security?

• Good security says you shouldn’t make assumptions.
• Most security products make this same mistake.
• This should be called Voodoo security…
• They analyze traffic.
• They determine good traffic from bad traffic
  – With signatures written based on a vulnerability.
  – With samples of known bad traffic.
• They do clear cut detection of good from bad, they are incapable of determining intent of traffic.
What if?

• Pedestrians on the web were not unarmed…
• Every website got scanned for security vulnerabilities when an individual surfer visits it…
• Every web surfer has a vulnerability scanner built-in to the browser…
Introducing…

• Barrier

• Barrier is a vulnerability scanner that is installed in a browser and automatically checks websites for common security vulnerabilities.

• This is good for consumers, bad for security companies.
  – In order to be useful an IDS or IPS will have to determine the intent of the traffic now.
Barrier Demo