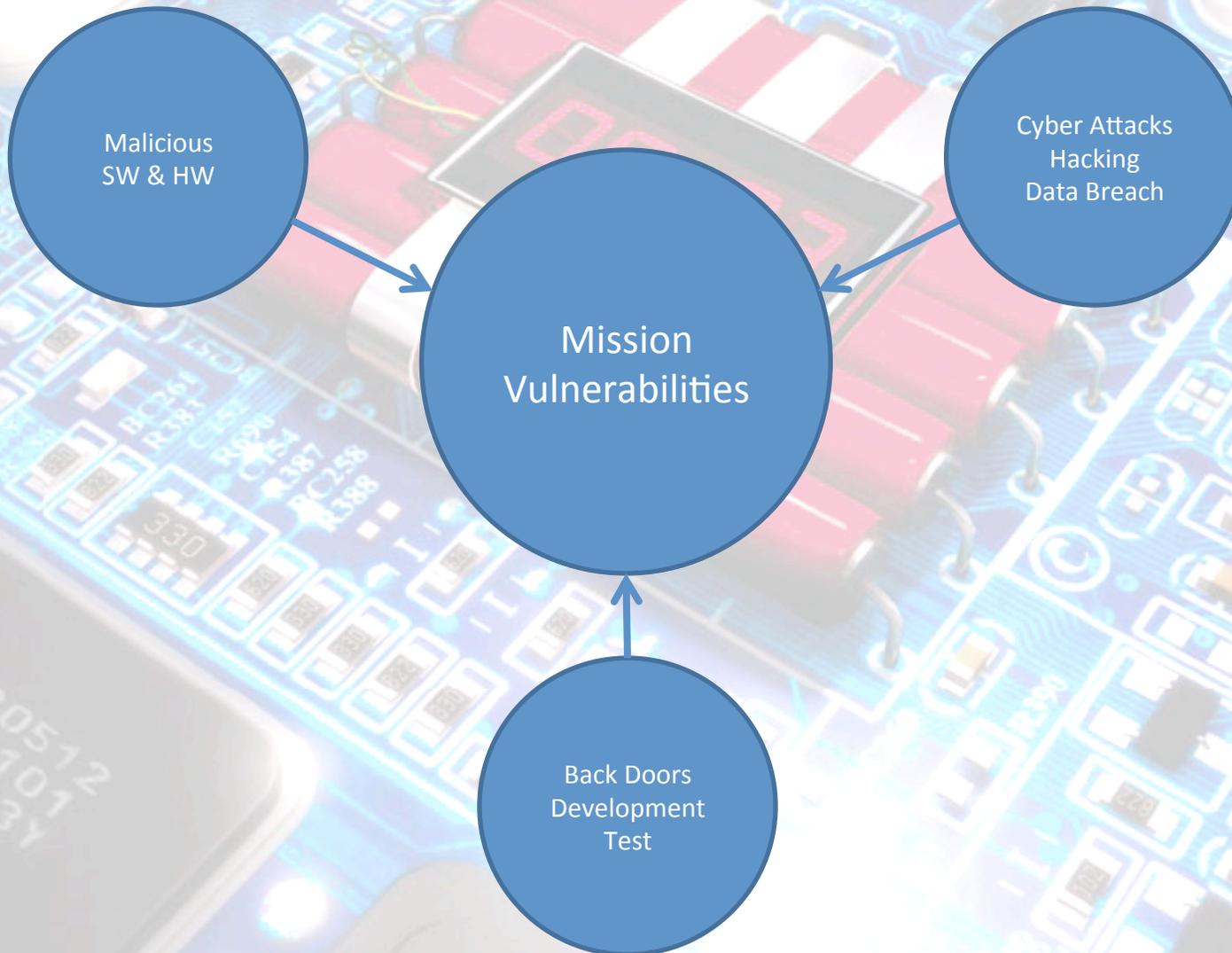




Sometimes We Can Be Our Own Worst Enemy – for All the Right Reasons

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One Thing Keeping Me Up At Night



Hacking/Cyber Attacks

AT A GLANCE

Description

Incidents where unintentional actions directly compromised a security attribute of an information asset. This does not include lost devices, which is grouped with theft instead.

Top industries

Public, Administrative, Healthcare

Frequency

16,554 total incidents¹²

412 with confirmed data disclosure

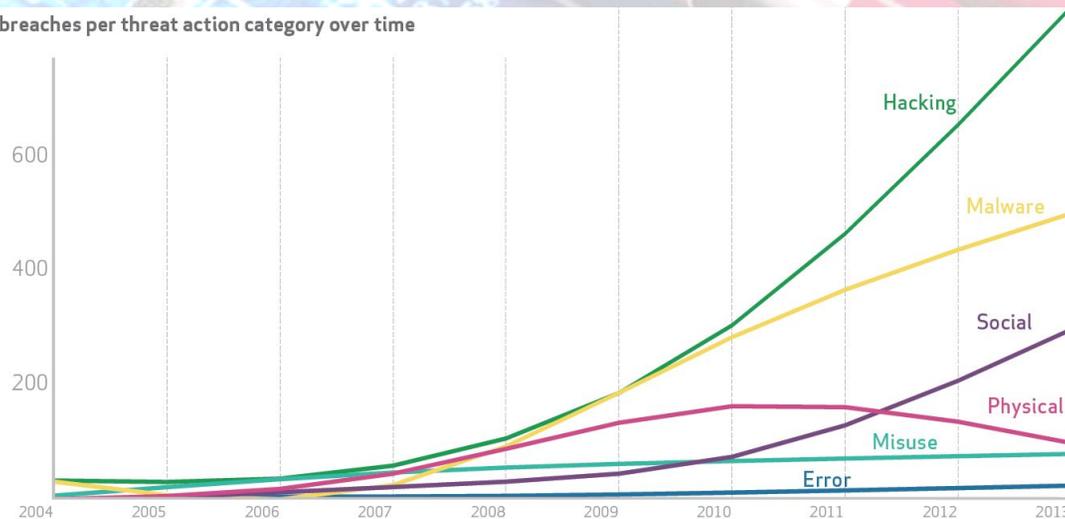
Key findings

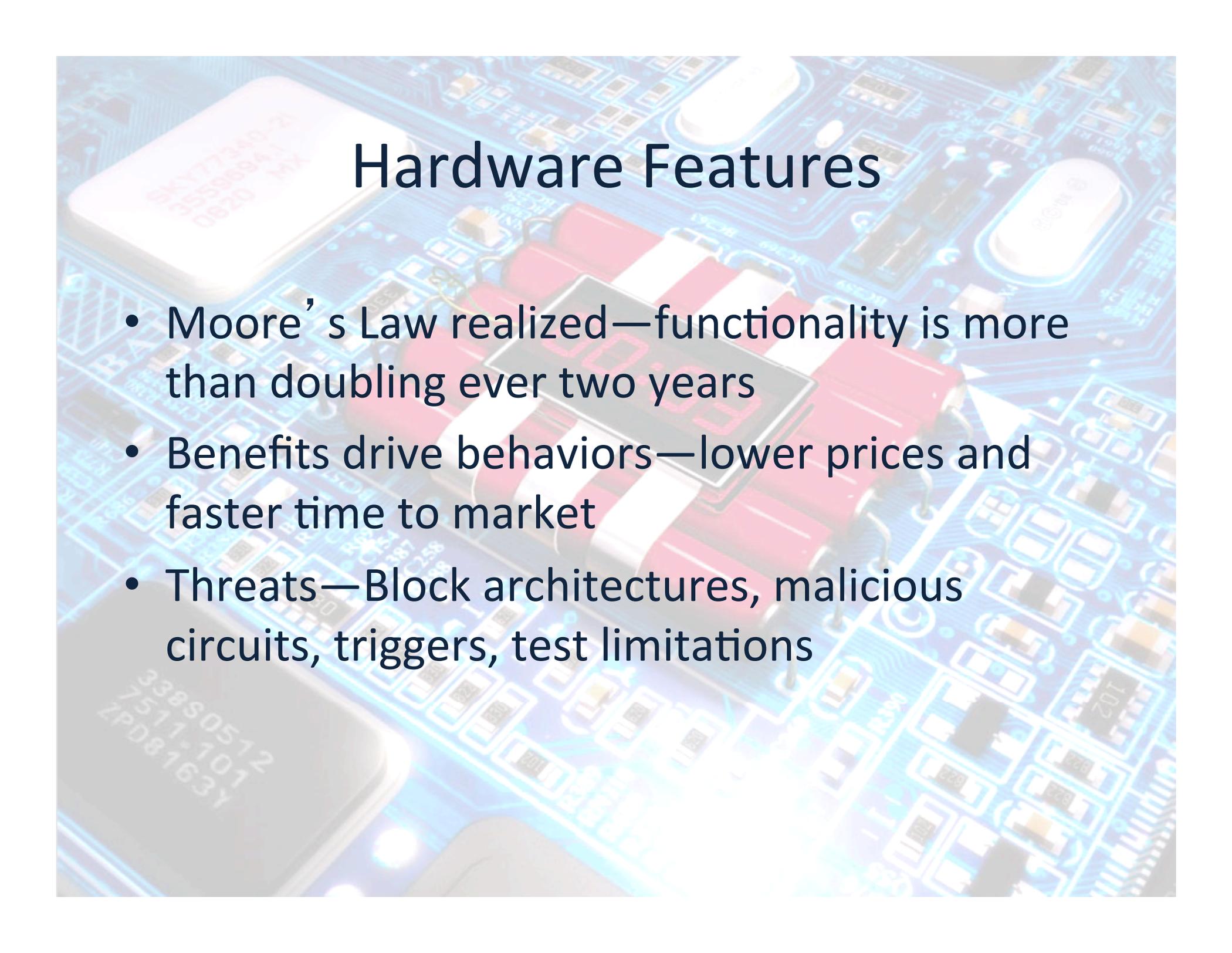
After scrutinizing 16K incidents, we've made a startling discovery — people screw up sometimes. (Nobel Prize, here we come!) The data seems to suggest that highly repetitive and mundane business processes involving sensitive info are particularly error prone. It's also noteworthy that this pattern contains more incidents caused by business partners than any other.

2013 At a Glance

- 63,437 Security Incidents
- 1,367 Data Breaches
- 95 Countries Reporting
- 50 Contributing Organizations

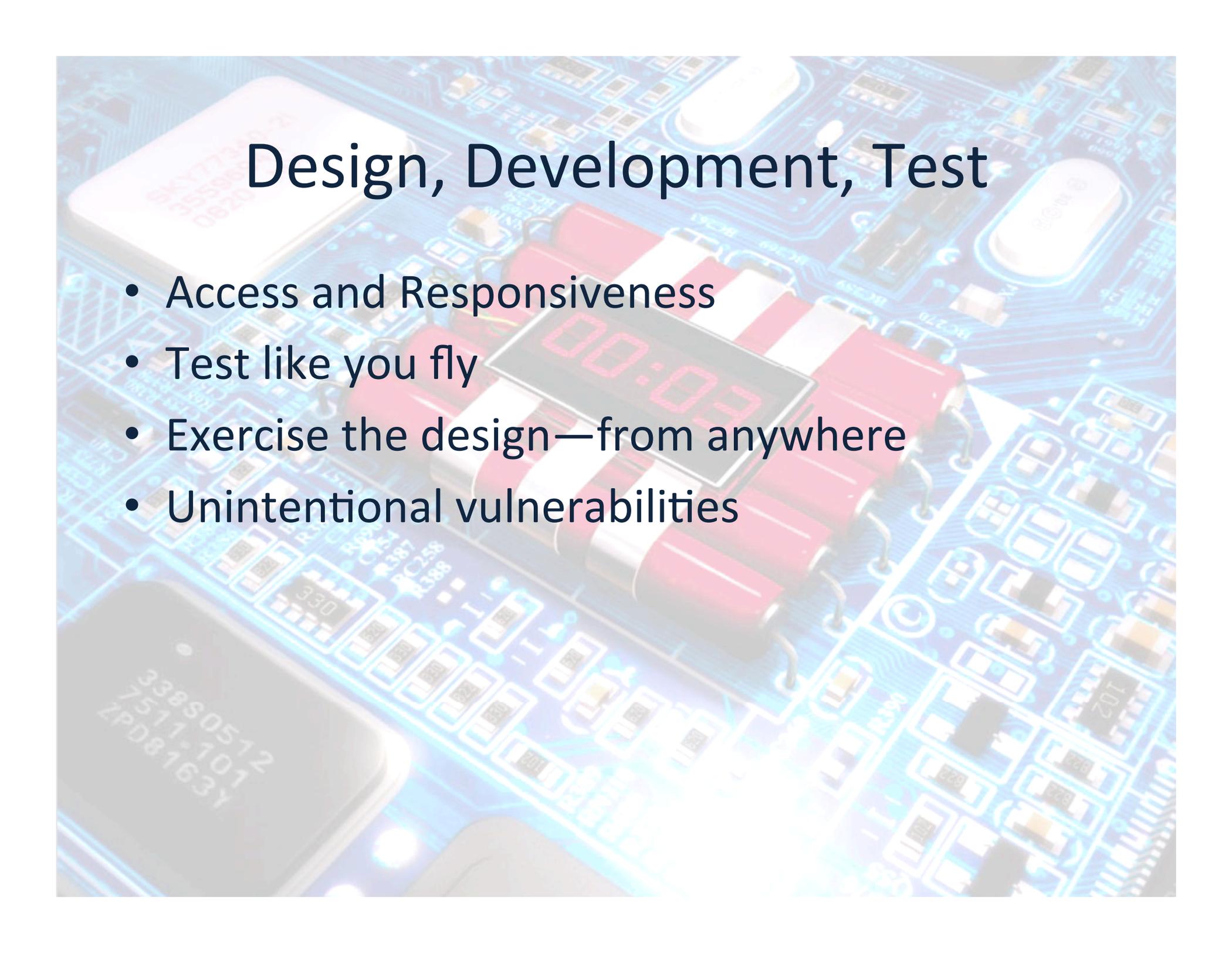
Number of breaches per threat action category over time





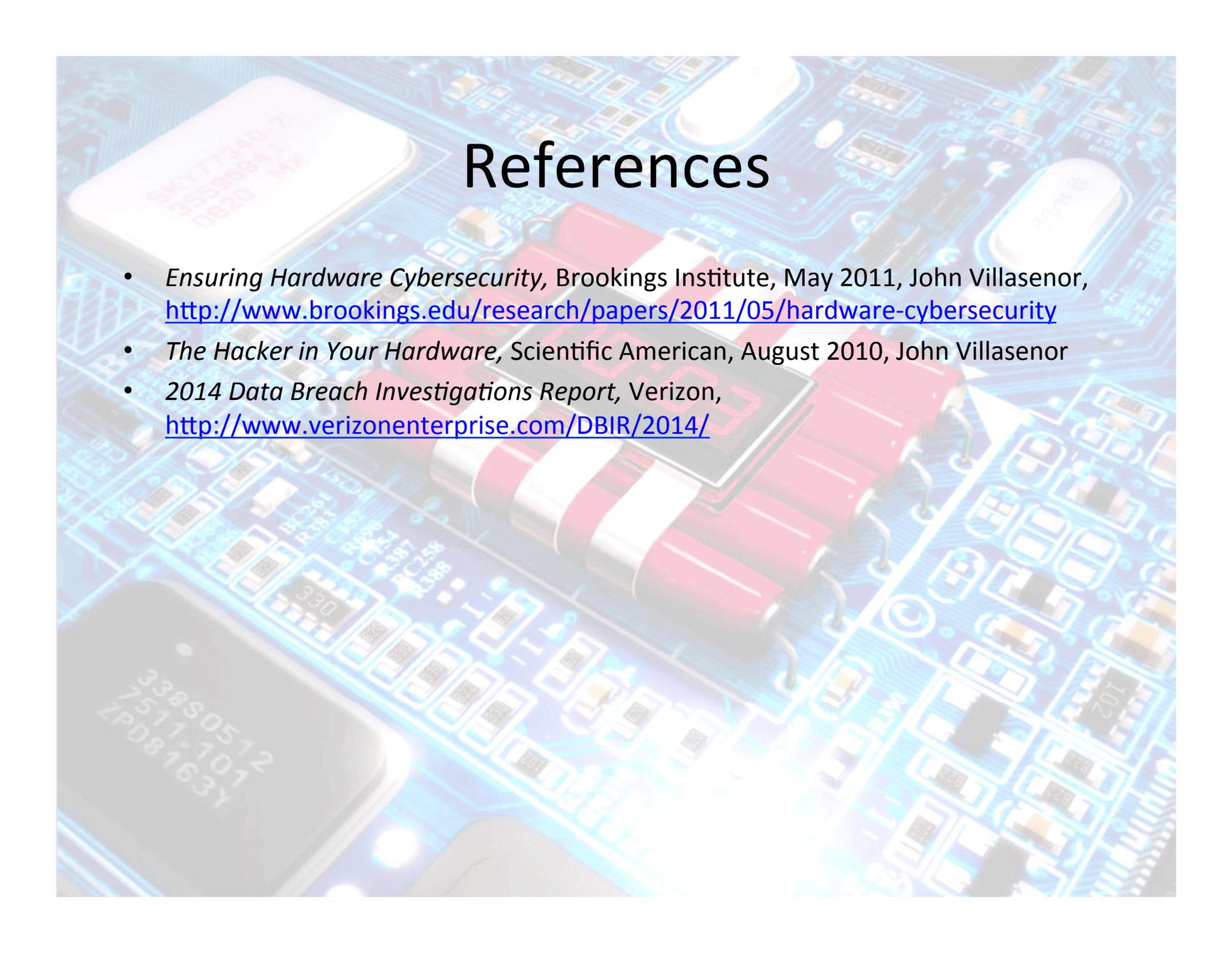
Hardware Features

- Moore's Law realized—functionality is more than doubling ever two years
- Benefits drive behaviors—lower prices and faster time to market
- Threats—Block architectures, malicious circuits, triggers, test limitations



Design, Development, Test

- Access and Responsiveness
- Test like you fly
- Exercise the design—from anywhere
- Unintentional vulnerabilities



References

- *Ensuring Hardware Cybersecurity*, Brookings Institute, May 2011, John Villasenor, <http://www.brookings.edu/research/papers/2011/05/hardware-cybersecurity>
- *The Hacker in Your Hardware*, Scientific American, August 2010, John Villasenor
- *2014 Data Breach Investigations Report*, Verizon, <http://www.verizonenterprise.com/DBIR/2014/>