

InfoSec Data Gathering Privacy and Security Concerns

Gabriel Doncel MBA, MS, CISSP

Information Security

Christiana Care Health System

Wilmington University

Agenda

- Why?
- Legal Considerations
- Monitoring
- Security Analytics
- Creepy!!
- Ethics
- Best practices

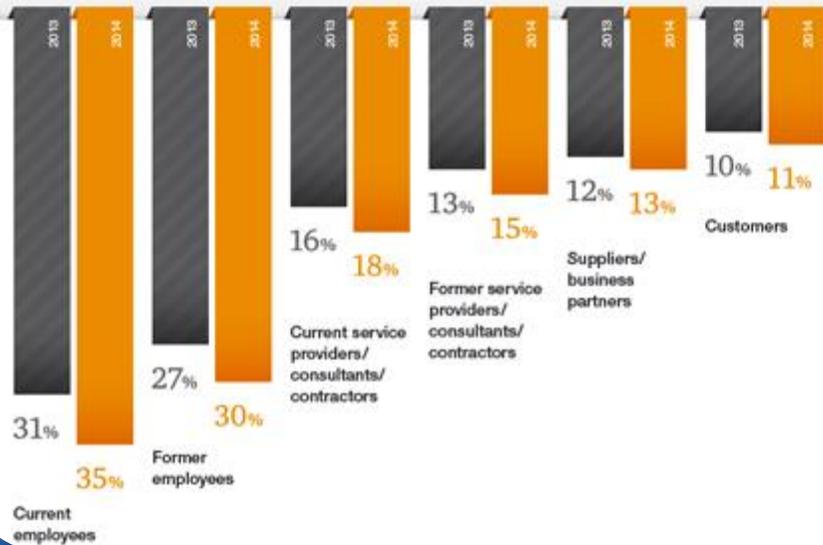
Why Monitor?

The jump in insider incidents may carry serious implications

Key findings from The Global State of Information Security® Survey 2015

Insider crimes are more costly or damaging than incidents perpetrated by outsiders

The top offenders of insider crimes, 2013-2014



SURFING THE NET

64% say they visit non-work related websites every day during work hours.

45% reported that surfing the web for personal use was their #1 distraction at work.



DAYDREAMING

4%

polled said spacing out was their #1 distraction at work.

23%

of employees reported wasting time out of boredom.



Follow the Law...

- Electronic Communications Privacy Act (ECPA)
- Personal Information protection and Electronic Documents Act (PIPEDA)
- State Laws?



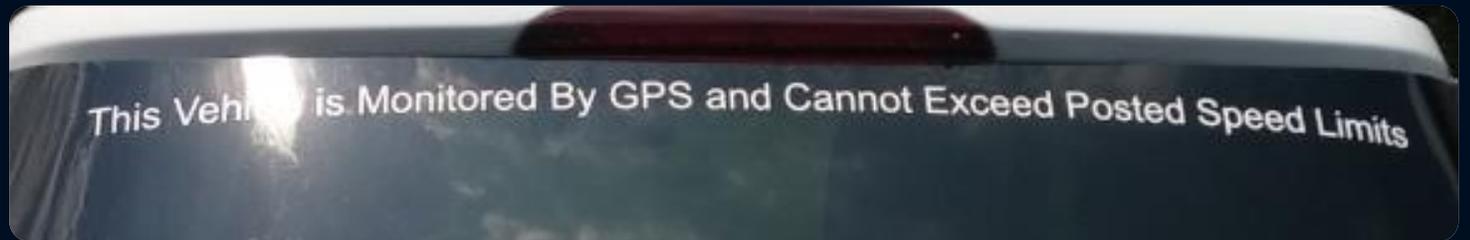
Traditional Workplace Monitoring

- Computer / Internet access
- Phone Calls
- IPS / IDS
- Data Loss Prevention
- Keylogger / Screen Scraper
- Log management and access (SIEM)



Advanced Workplace Monitoring

- Mobile devices
 - Location information
 - Applications installed
- Company Vehicle
 - GPS
 - Event recorders
- HTTPS decryption
 - Web Application Firewalls
- Wearable technology
 - Health Trackers



“Big data” and “Cloud”

Security Analytics

Data aggregation

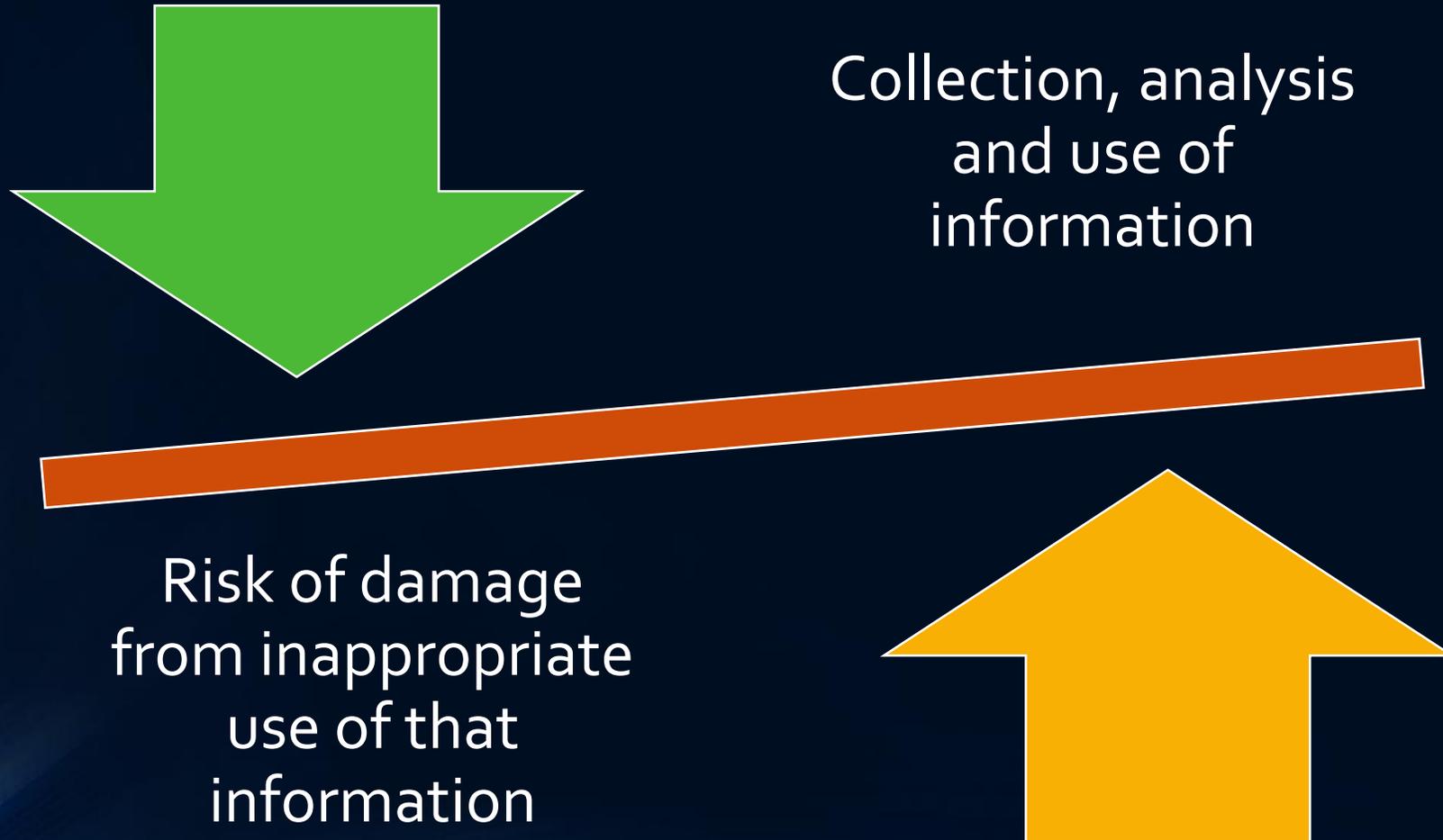


Google / Facebook / Twitter

“Free” = Advertising

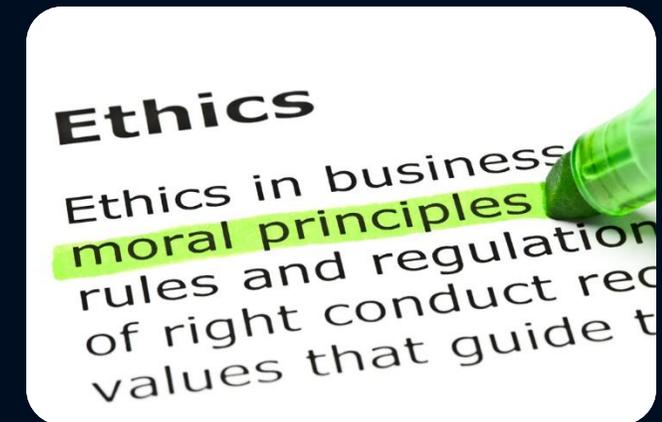


Creepy line!!



Why bother with Ethics?

- Work / Life balance
- Fostering a productive and satisfying working environment
- Maintaining trust
- Aligning internal policies with organization mission.



"Employers want to be sure their employees are doing a good job, but employees do not want their every sneeze or trip to the water cooler logged" (Privacy Rights Clearinghouse)

Best Practices And Recommendations

- Full Transparency:
 - Policy
 - Employee notification and consent
- Identify existing solutions
 - Access Controls
 - Data Retention
- Governance structure
 - Human Resources & Privacy

Questions?

Thank you!