



What is Cyber Risk???

"The exposure of harm or loss related to technical infrastructure or the use of technology within an organization caused by eternal or internal vulnerabilities."

Video Presentation

https://www2.deloitte.com/global/en/pages/risk/articles/cybervideo-companies-like-yours.html

Deloitte.

What could a bad day look like for your organization as it relates to cyber?

Possible Cyber Risk Effects

- Exposure
- Corruption or Destruction of Data
- Disruption of Operations
- Extortion
- Possible Reputational Loss

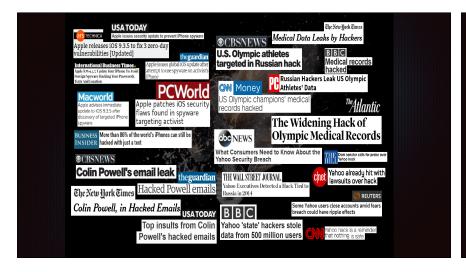
System and Data Types at Risk

- Customer/Public Facing Systems
- Enterprise Resource Planning
- Payroll
- Health Care and Educational Records
- Desktop/Servers
- Collaboration Tools (Email, File Servers)
- Industrial and Supervisory Control Systems

- Personal, Private, and Sensitive Data
 - Employee, Student, Beneficiary, Family
 - Internal Communications
 - Credit Card
- Schematics/Designs
- Legal Documents
- Operational Data that may affect business and consumer decisions



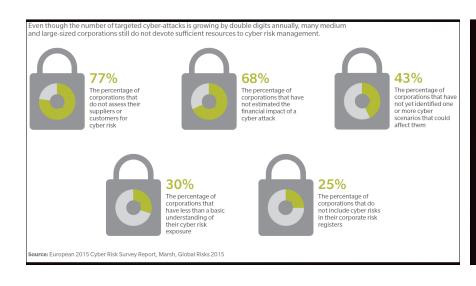




BREACH	DATE	ATTACK VECTOR
Oracle/Micros	August 2016	Compromised Password
Democratic National Committee (DNC)	July 2016	Compromised Password
Yahoo	December 2016	Multiple – Target was passwords and answers to authentication "security questions
OPM (2 Breaches)	May 2015	Compromised Password
Anthem	February 2015	Compromised Password
IRS	May 2015	Inadequate Authentication (Compromise of Knowledge- Based Questions)
JP Morgan Chase	July 2014	Compromised Password
Target	December 2013	Compromised Password
Apple iCloud	August 2014	Compromised Passwords
Home Depot	September 2014	Compromised Password
Sony Pictures	December 2014	Compromised Password
Heartbleed	April 2014	Compromised Password
1.2B Passwords (Russian CyberVor Hacker Gang)	August 2014	Multiple – Target was passwords to be used for other potential attacks



The State of Cyber Risk Management



Do you know which systems and data are most important to your organization?







