

IBM IT Risk Strategy

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Cybersecurity continues to dominate the headlines



CYBER WARFARE

- Continued compromise of corporations; China accused
- Critical infrastructures vulnerable

HACKTIVISM

- Persistent denial-of-service attacks on financial institutions
- Iranian hackers, North-Korea, political activism

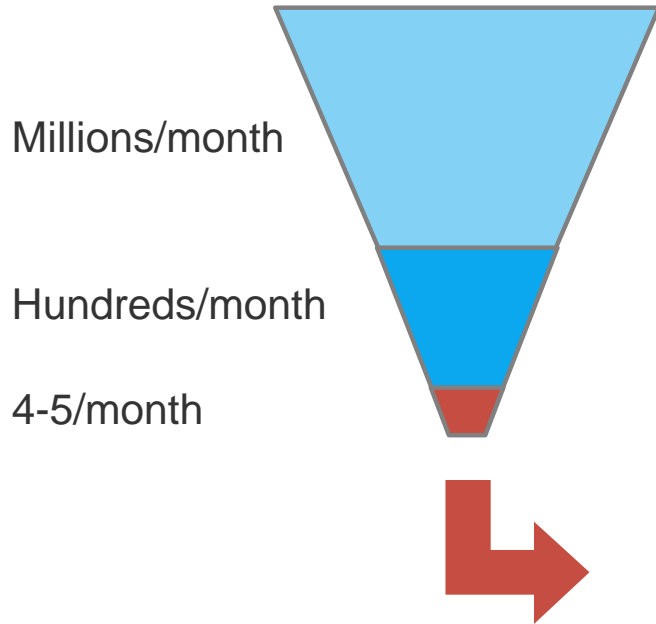
LEGISLATION

- International pressure for government intervention
- US Presidential directive on cybersecurity

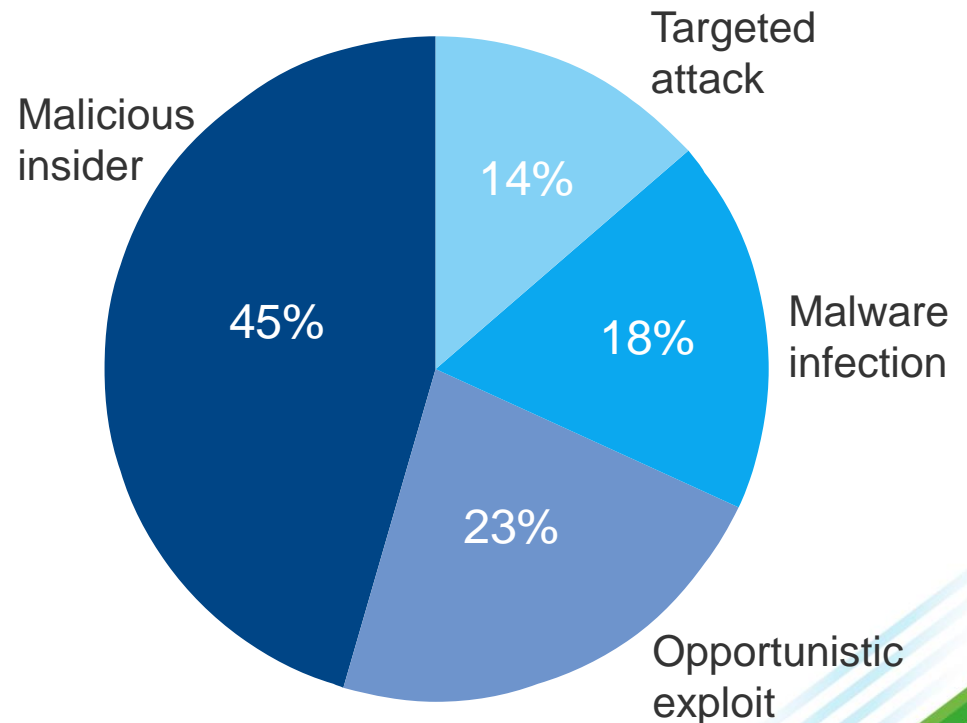


IBM incident investigation experience

From alert to “noteworthy” incident

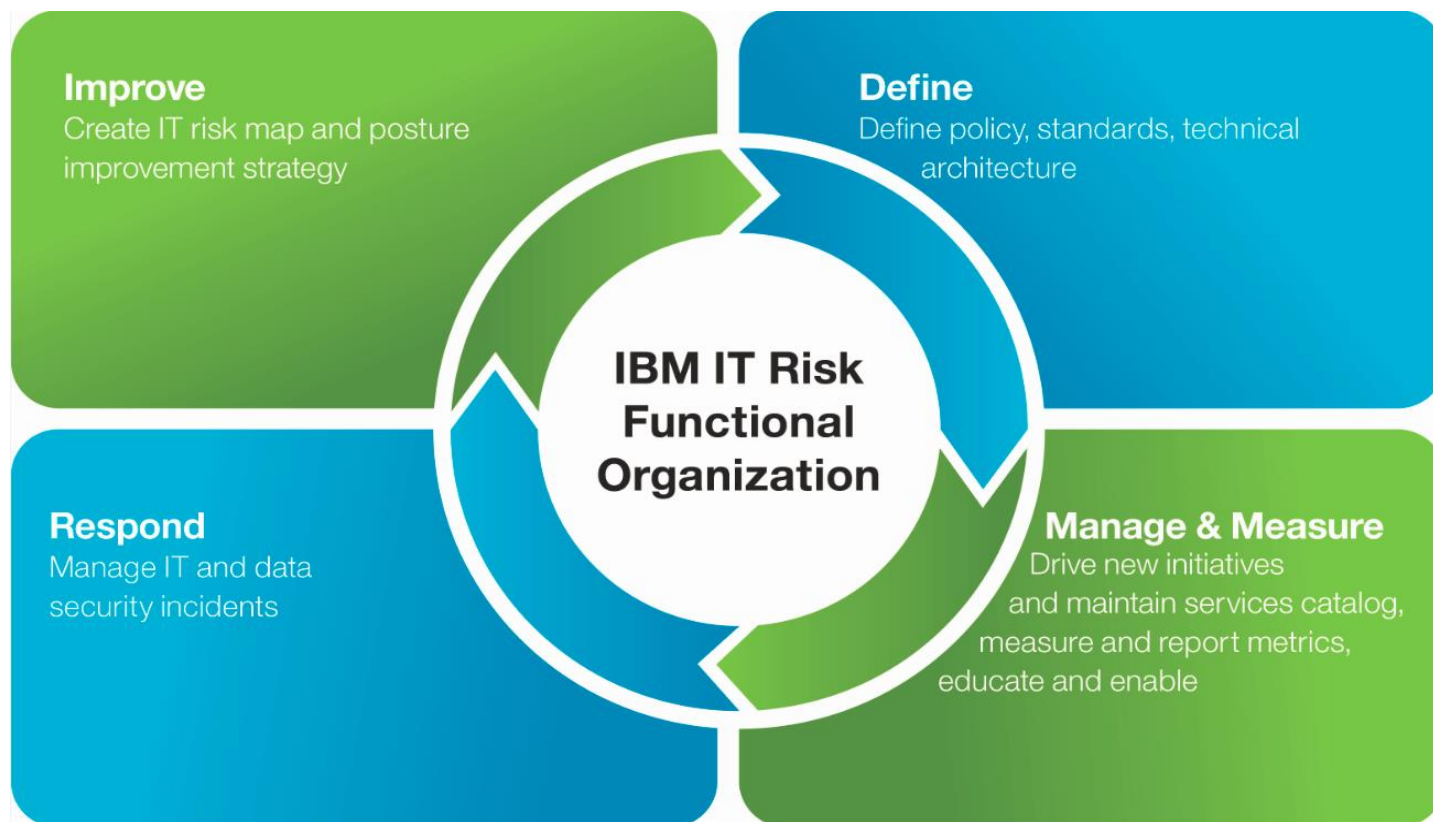


Leading causes of “noteworthy” incidents in the last 6 months

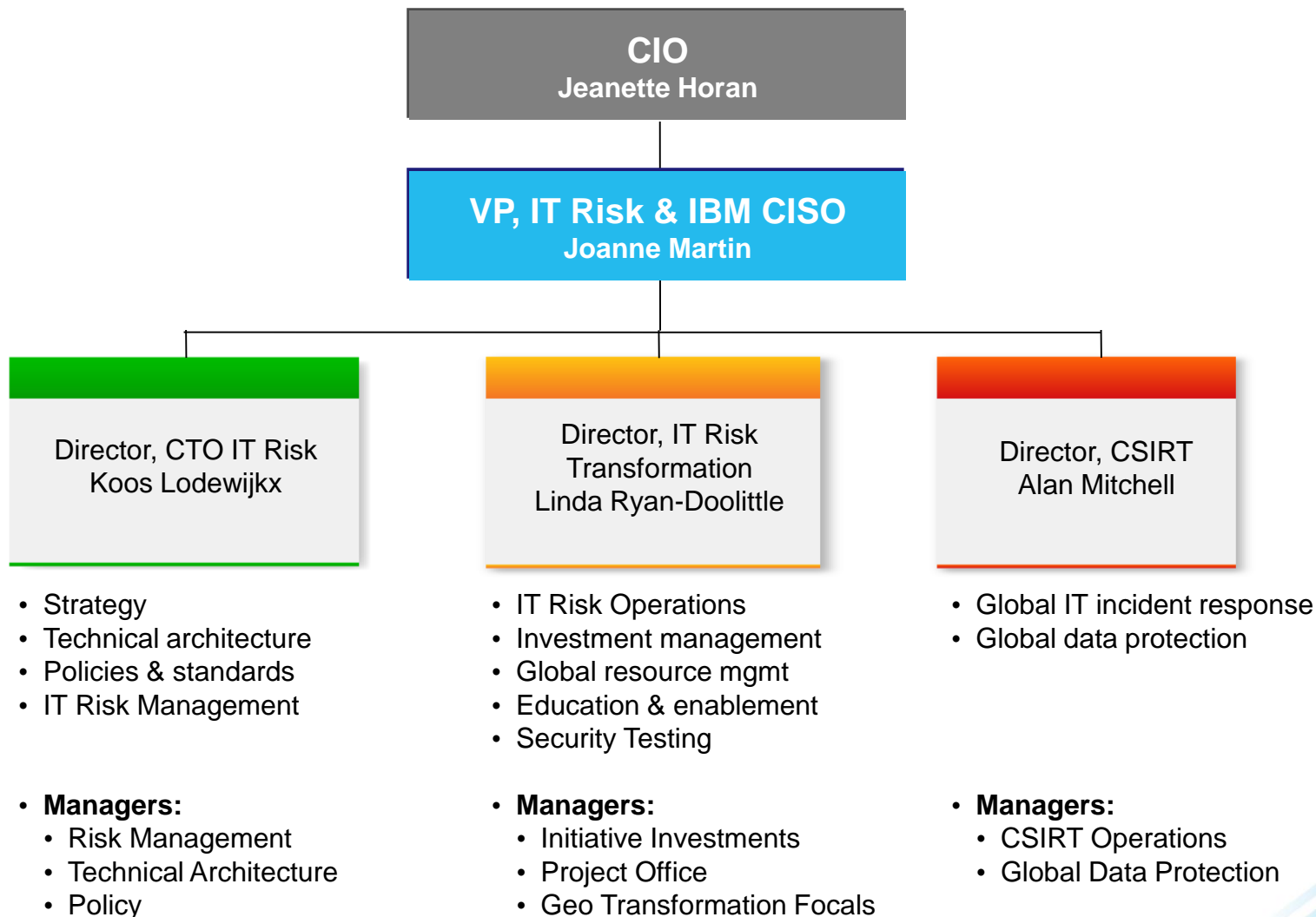


CIO IT Risk Management process integrates components of the functional organization

Mission: Organizational focus & management system to define, categorize, prioritize, and make deliberate decisions regarding IT risk

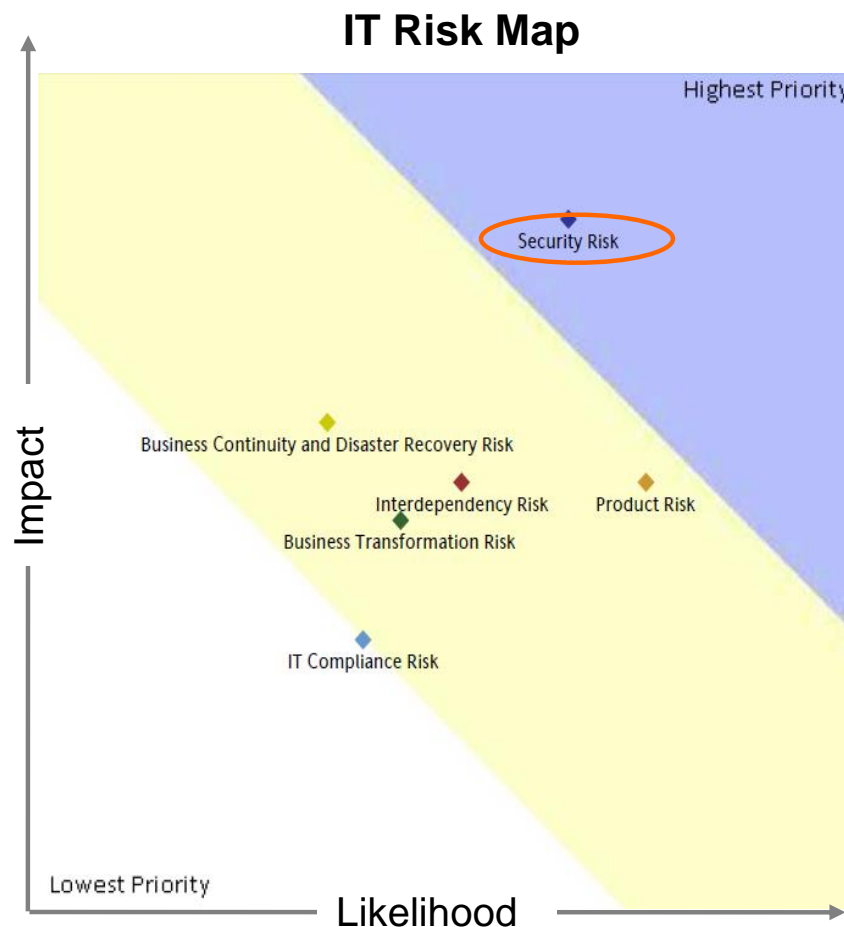


CIO IT Risk organization



IBM IT Risk – today's scope

Cybersecurity risk is assessed, managed and reported within the IT Risk Management Process and rolls up to and is reported as a Risk Category on the Enterprise Risk Map



IT Risk Categories


- ◆ Security Risk
- ◆ Product Risk
- ◆ Interdependency Risk
- ◆ Business Continuity and Disaster Recovery Risk
- ◆ Business Transformation Risk
- ◆ IT Compliance Risk

Note: Placement of risks is on a relative not absolute scale; Placement of risks is for the sole purpose of providing input to determine priorities





IBM: mitigating risk and managing cybersecurity

10 Essential Practices for IT Security

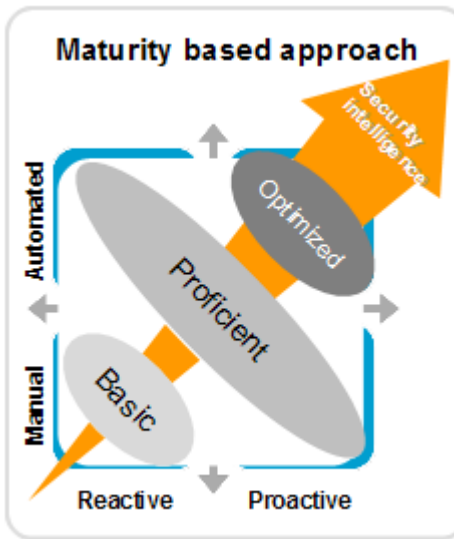


1. Build a risk aware culture and management system



6. Control network access and assure resilience

2. Manage security incidents with intelligence





7. Address new complexity of cloud and virtualization



3. Defend the mobile and social workplace

8. Manage third party security compliance


4. Secure services, by design

9. Secure data and protect privacy

5. Automate security "hygiene"

10. Manage the identity lifecycle






Strategic priorities for cybersecurity

- Drive risk aware culture to enable IBMers to exercise good judgment and exhibit secure computing behavior
- Implement endpoint and network DLP defenses to reduce data loss risk, and deploy solution to identify and protect unstructured content in collaboration environment
- Continue to improve registration of mobile and workstation devices, and hardening and protection of these devices
- Explore options to separate and safeguard business data on mobile devices
- Expand the use of analytics tools to provide a comprehensive view of IT Risk
- Deploy advanced malware analytics to better detect and prevent spread of advanced cyber attacks



Thank You!

