

Security Intelligence.
Think Integrated.

Protecting against cyber threats and security breaches

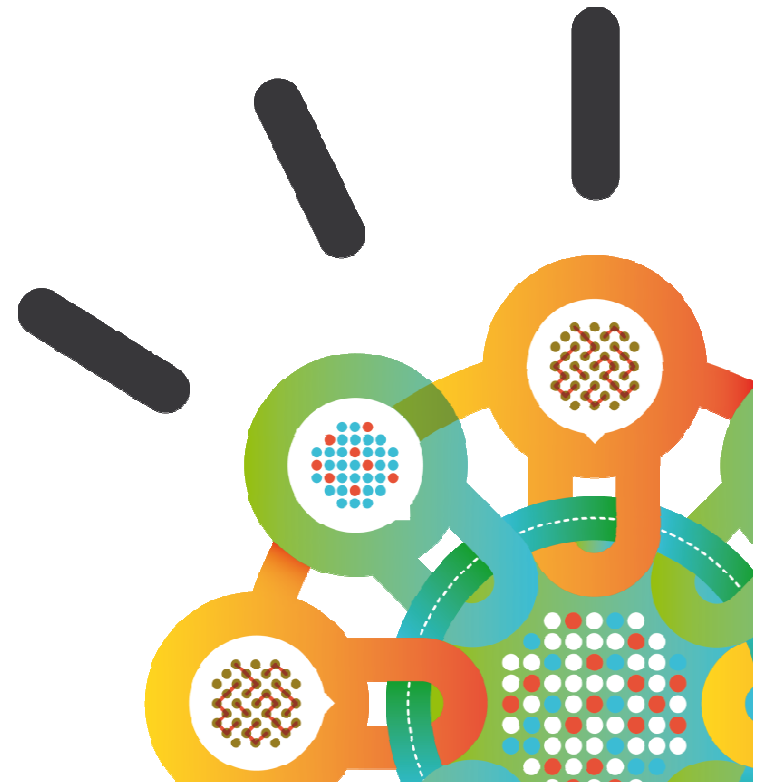
IBM APT Survival Kit

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IBM Security Services

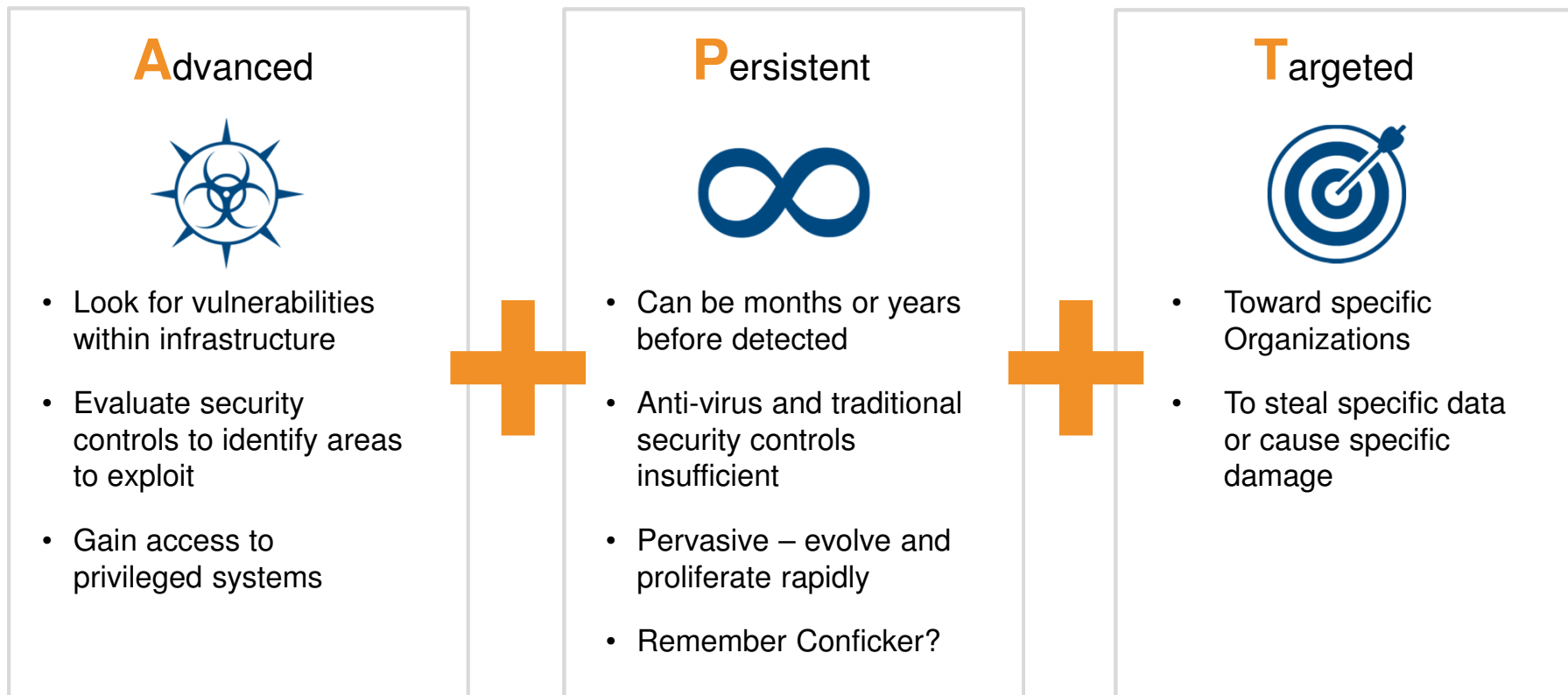
Jun 11, 2015 (Madrid, Spain)



So what is an advanced persistent threat (APT)?

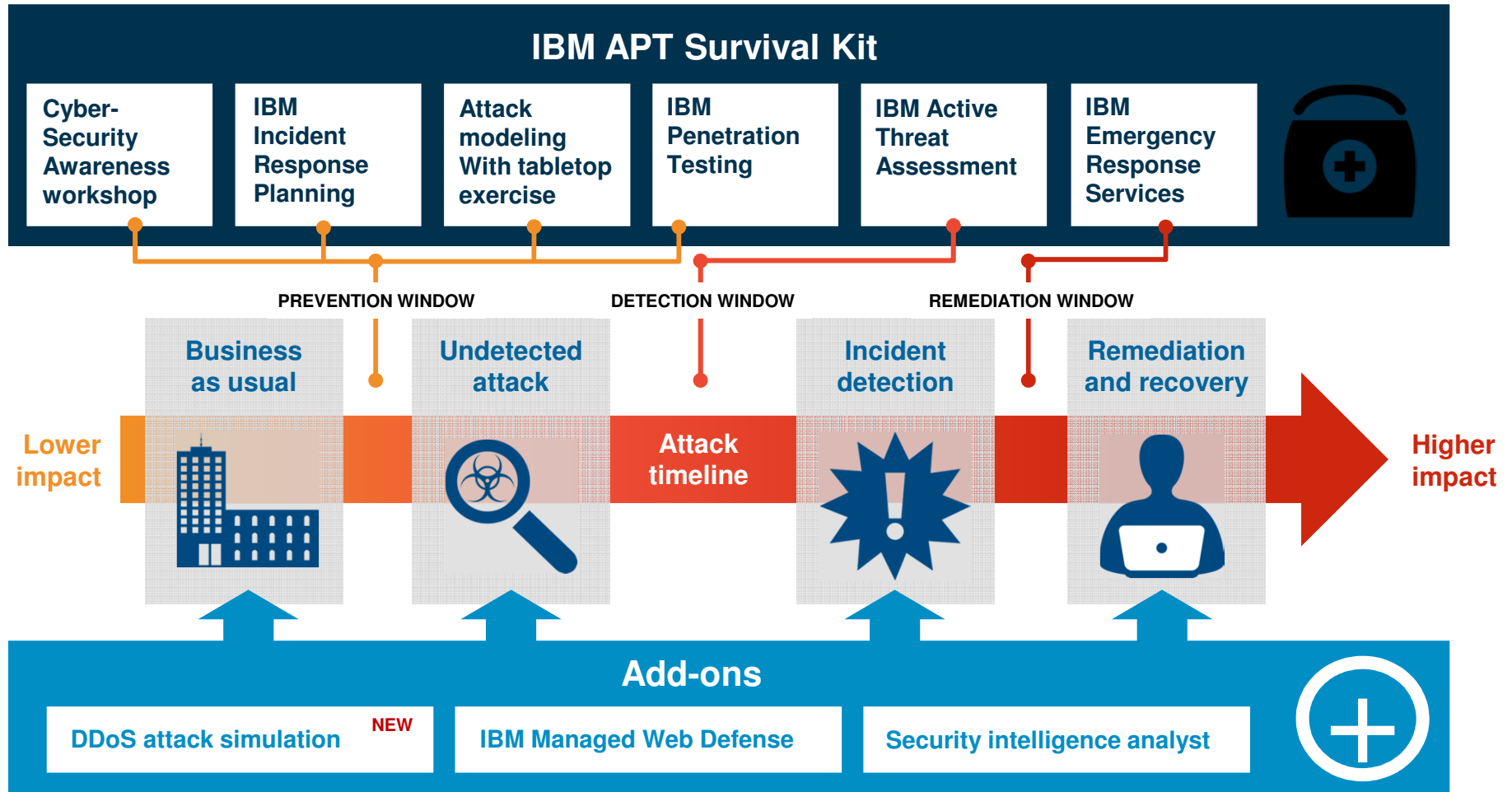
(Hint: Conficker was an APT)

Anatomy of an advanced persistent threat (APT)



The IBM solution

IBM APT Survival Kit can help you better prepare for, detect and remediate attacks, reducing the timeline for potential impact



The straight talk: what do I need to know about these threats?



Cybersecurity awareness workshop

Generate awareness and identify key actions



- **A 2-hour, real-world remote briefing** that goes behind the scenes, using real-world scenarios, illustrative examples and interactive demonstrations to examine the anatomy of modern cyber attacks:
 - ❑ The 5-stage chain attackers typically follow
 - ❑ Common methods and attack surfaces
 - ❑ The role of social media
 - ❑ Technological advancement and operational sophistication
- **Generate executive level awareness** on current threat level, cyber risk profile, global trends, potential attack impact and essential practices
- **Identify actionable steps** that can be taken today to better protect yourself and your organization

The preparation: how good is my cyber incident response plan?



IBM Incident Response Planning

Plan for cybersecurity incidents



- **Proactive cyber breach defense** that helps you review, develop and test your incident response plan to build the foundation for incident response and recovery
 - IBM security experts, working hand-in-hand with you
 - A framework for more effective response
 - Organizational roles and responsibilities
 - Types and priorities of each incident
 - Escalation and communication
- **Don't get caught off-guard** ; proactively plan response activities in the event of a security breach
- **Make sure you're equipped** with the right response tools, resources and processes you'll need in the event of an incident

The what-ifs: will my business hold up during a breach?



Attack modeling and tabletop exercise

Test your business and operational resiliency



- **Uncover what's in your threat landscape** with detailed threat and attack modeling down to a granular level
 - Modeled by region, industry and sector
- **Harden your business** against potential cyber incidents
 - Key objectives and vulnerabilities identified
 - Countermeasures defined to prevent, or mitigate the effects of threats
- **Verify security paper policy** against known and unknown threats in your landscape
 - Mock incident testing performed, to measure how your defenses respond

The real world: is my existing security posture effective against a skilled human attacker?



IBM Penetration Testing

Actively and safely exploit vulnerabilities



- **Not your everyday pen test**, with testing that's deeper and wider than automated tools or manual testing
 - Extensive and detailed reporting
 - Play-by-play accounts of tests, analysis and remediation
 - Effective false positive identification and removal
 - Network discovery and reconnaissance
 - Internal and external attacks and exploitation attempts
 - Everything from phishing exercises to social engineering
- **Gain knowledge of attack surfaces**, not tools, as real-world coding expertise is applied to the latest threat vectors
- **Identify vulnerable systems** with a detailed security roadmap and impact analysis to help prevent network compromise

The inside scoop: has an APT infiltrated my organization?



IBM Active Threat Assessment

Evaluate your current threat and risk level



- **Detect potential breaches early** as IBM threat consultants perform detailed analyses of current organizational threats
 - Coordinated attack simulation
 - Tool-based scanning of indicators of compromise (IOCs)
 - Memory and log analysis
 - Essential practices and critical controls assessment
- **Make sure your bases are covered** by identifying active threats that currently exist in your environment
- **Help avoid a full-blown breach** by uncovering potential threats requiring mitigation

The 911: help, we've been hacked!



IBM Emergency Response Services

Enable rapid response and recovery from a cyber incident



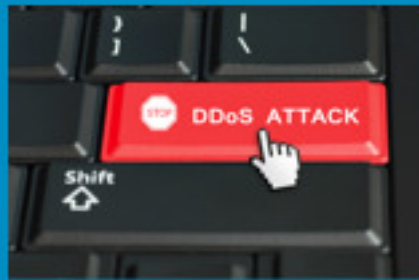
- **911 for cybersecurity incidents:** IBM helps you combat an security incident, intrusion, or attack, for faster recovery
- **Conduct security wellness checks** with annual planning workshop and ongoing quarterly checkpoints
- **Get 24/7¹, rapid response to a cybersecurity incident** with our around-the-clock global hotline, and help reduce potential adverse impact to your brand, reputation and revenue
- **Gain deep insight** into how and why the incident started with forensic analysis, enabling agile response to law enforcement queries and regulatory requirements
- **Understand trends in attack behaviors** across a range of industries with global threat intelligence from IBM® X-Force®

APT add-on: can my website handle a DDoS attack?



Distributed denial-of-service (DDoS) attack simulation

Help ensure
web-related
service delivery
during a DDoS¹
attack



- **Automation meets world-class experts** as security experts use automated tools to simulate web traffic DDoS attacks
 - ❑ Highly customizable, measurable scenarios
 - ❑ Multiple real-life attacks simulated
 - ❑ Mix of valid user and malicious traffic
 - ❑ Can be combined with other attacks
- **Prepare for and help prevent DDoS attacks** with the help of IBM security experts and real-life attack simulations
- **Gain organizational confidence** as you demonstrate website business continuity assurance to the executive team

Why IBM?

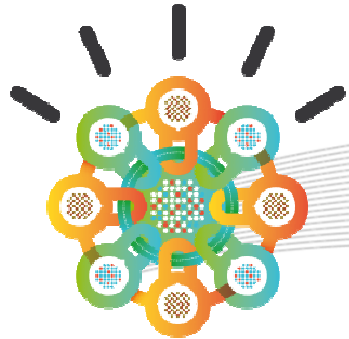
IBM Security has global reach



IBM Security by the numbers

20000 + devices under contract
133 + monitored countries (MSS)
27000000000 + endpoints protected
3300 + service delivery experts
150000000000 + events managed per day

We can work with you to customize your IBM APT Survival Kit



IBM Security Services Intelligence. Integration. Expertise.

Responding to – and recovering from – sophisticated security attacks

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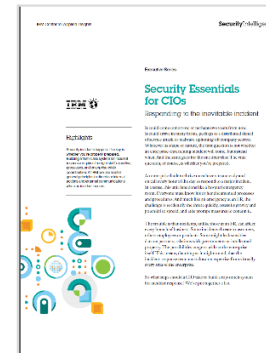
Building a security incident response plan that works

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Security Essentials – responding to the inevitable incident

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2014 Cyber Security Index

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Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM DOES NOT WARRANT THAT ANY SYSTEMS, PRODUCTS OR SERVICES ARE IMMUNE FROM, OR WILL MAKE YOUR ENTERPRISE IMMUNE FROM, THE MALICIOUS OR ILLEGAL CONDUCT OF ANY PARTY

Thank You
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