

IBM Forum Segrate - Milano

18 settembre: Missione Sicurezza

Identifica e combatti i rischi con la Security Intelligence IBM

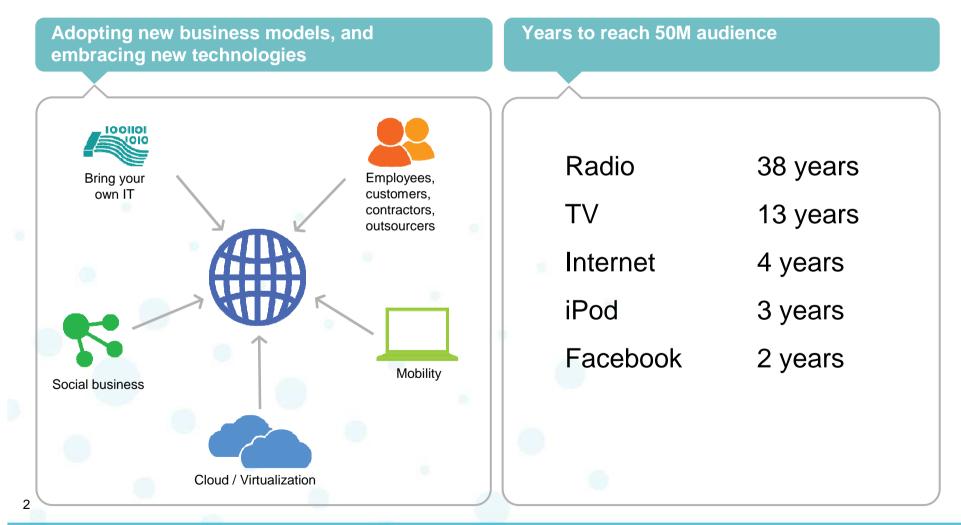
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Samuele Battistoni Security Intelligence e

Analytics nei servizi gestiti



The Perfect Storm : Number of vulnerabilities increase radically with emergence of new business models and technologies



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Unmatched global coverage and security awareness



IBM Research

IBM Institute for Advanced Security Enabling cybersecurity innovation and collaboration 10B analyzed web pages and images
150M intrusion attempts daily
40M span and phishing attacks
46K documented vulnerabilities and millions of unique malware samples



Worldwide managed security services coverage

- 20,000-plus devices under contract
- 3,300 GTS¹ service delivery experts
- 3,700-plus MSS² clients worldwide
- 15B-plus events managed per day
- 1,000-plus security patents
- 133 monitored countries (MSS)

¹IBM Global Technology Services (GTS); ²Managed Security Services (MSS)



IBM offers a broad managed service portfolio to help address a variety of business requirements

- Managed Security Services (CPE)
- Managed security incident and event management
- Managed firewall services
- Managed and monitored IPS and IDS services
- Managed UTM services
- Managed protection services for networks, servers and desktops
- Managed identity services







Managed Security Services (Cloud)

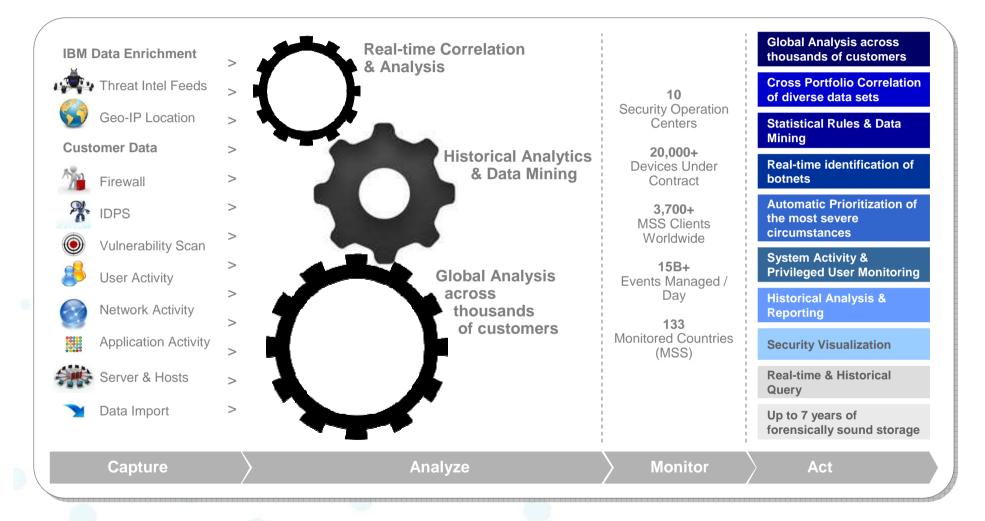
- Hosted security event and log management services
- Hosted vulnerability management services
- Hosted application scanning
- Hosted mobile device security management
- Hosted managed e-mail and web security
- Hosted IBM X-Force threat analysis service



Multiple device types and vendors supported



IBM Security Services analytic capabilities

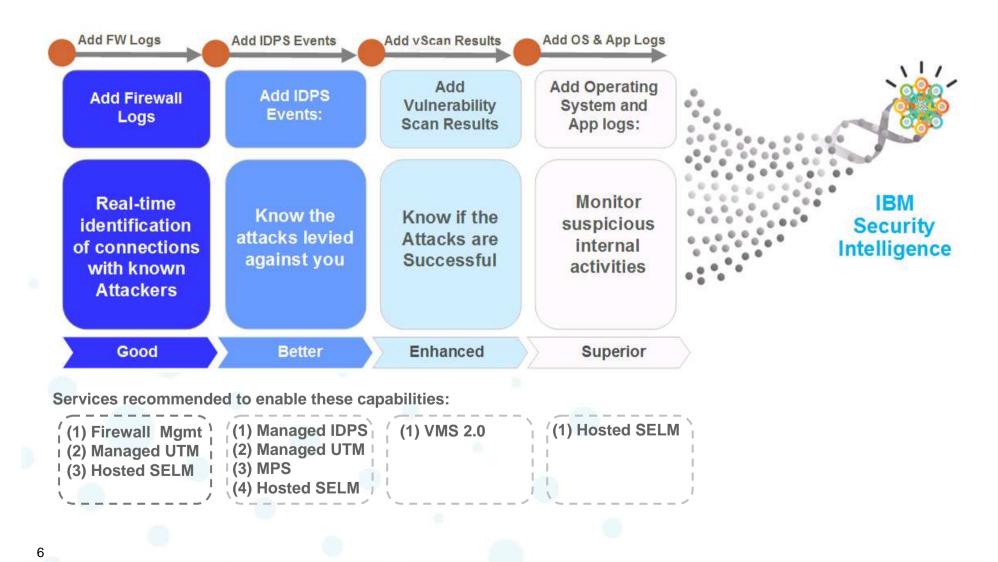


Enabled by the X-Force Protection System, a multi-tenant environment that collects, aggregates, stores, summarizes, and analyzes data to deliver security intelligence

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We can help you optimize security intelligence







IBM MSS Security Analytics





Suspicious Host Dashboard

Identifies connections with botnet command and control, and prioritizes the most active....

Available to all customers who send firewall logs to the Virtual SOC Portal.

Use Case #1 : Identification of reconnaissance (e.g. TCP port 1443 from suspicious host) Use Case #2 : Gain visibility despite encryption or obfuscation

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Best Practice usage of Suspicious Host Results available in the vSOC Portal

- 1. Validate the threat
- 2. Adjust FW/IPS Policy
- 3. Quarantine the machine
- 4. Scan the machine

5. If malware if identified: follow your incident response procedure

6. If no malware if found: consider to reimage the OS and application and monitor Suspicious Host Dashboard for additional indication

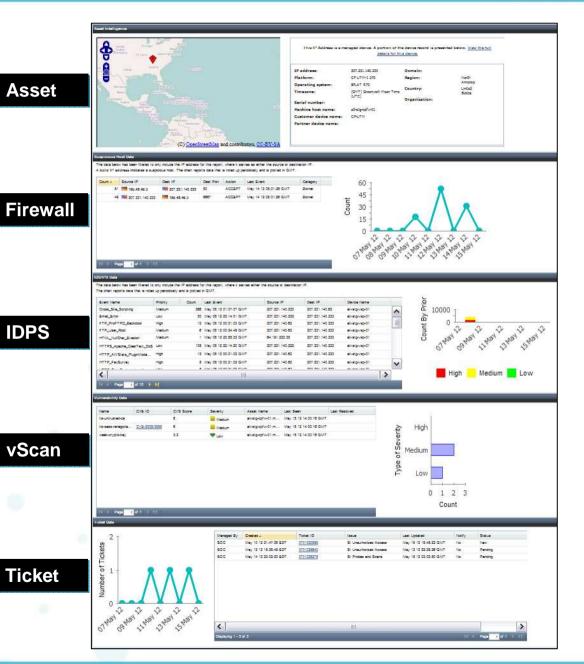
7. Record all mitigation activities

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^PIP Intelligence Report

- On demand IP Reputation and Profiling of attacker or victim addresses.
- Saves customers time and complexity by consolidating multiple summary views into a single pane.
- Available in the Virtual SOC Portal to all customers who subscribe to one or more of the following services:
 - 1. Managed FW
 - 2. Managed IDPS
 - 3. Managed UTM
 - 4. Managed Protection Services
 - 5. Hosted Vuln Mgmt Service
 - 6. Hosted SELM
- Accessible from most places where an IP address is displayed
- 10 displayed





Automated Intelligence (AI) and Type of Correlations provided



Behavioral correlation based on sequence of alerts

Historical cross-platform correlation

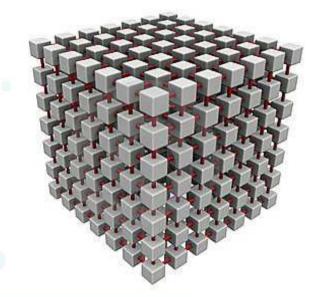
based on the availability of up to 7 years of forensically sound, live data

Vulnerability correlation

based on vulnerable and critical hosts information

Global Intelligence correlation

number of customer targeted industries affected attack sequence and tools used vulnerability exploited

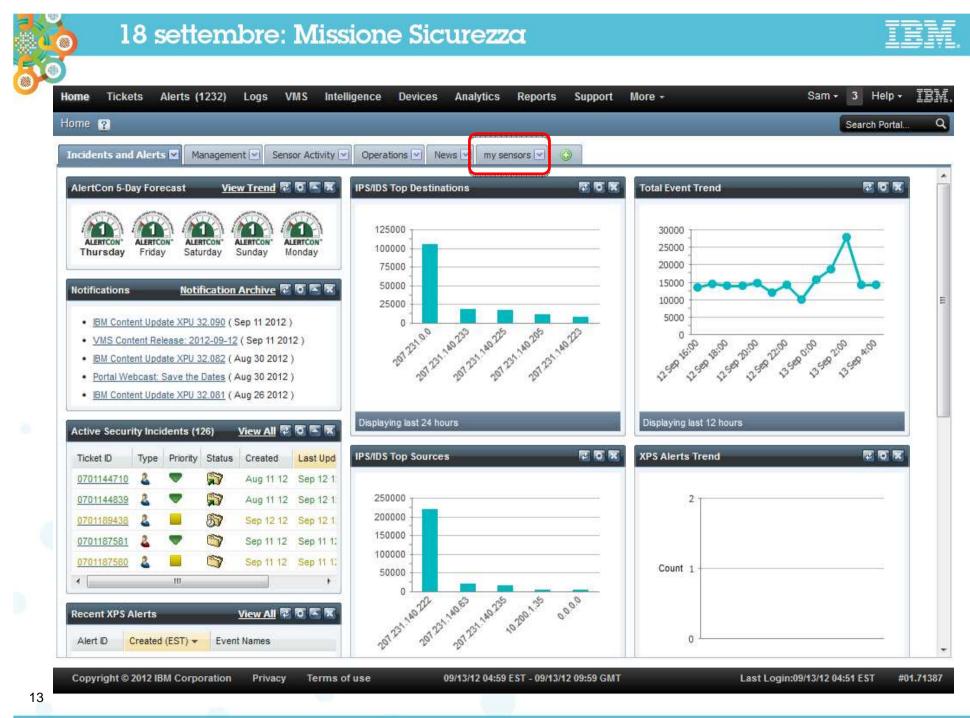






vSOC Portal Overview





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18 settembre: Missione Sicurezza



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Reports (Create New)	PCI 1: Install and maintain a firewall configuration to protect cardholder data	
Vulnerabilities	PCI 2: Do not use vendor-supplied defaults for system passwords and other security	
Sites	parameters	
	PCI 4: Encrypt transmission of cardholder data across open, public networks	
Reports (Create New)	PCI 5: Use and regularly update anti-virus software	
Vulnerabilities	PCI 6: Develop and maintain secure systems and applications	
Sites	PCI 7: Restrict access to cardholder data by business need-to-know	
	PCI 8: Assign a unique ID to each person with computer access	



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Thank you ! 18