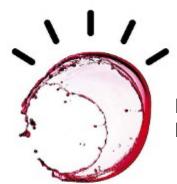




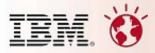
Degustare la crescita Un percorso in 4 tappe alla

Security Intelligence: visione unificata e informazioni dettagliate sui rischi

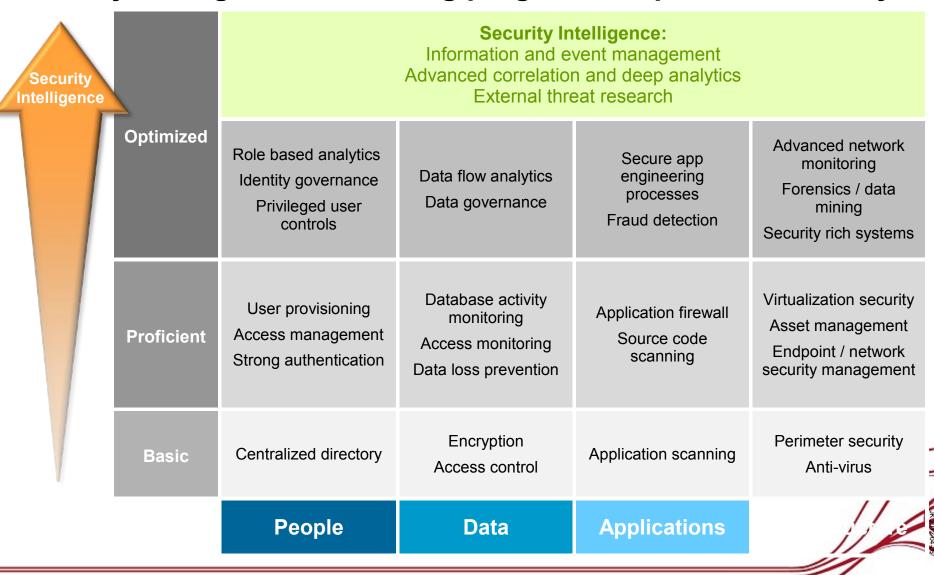
scoperta delle soluzioni IBM



Domenico Ercolani IBM Software Group Security Systems

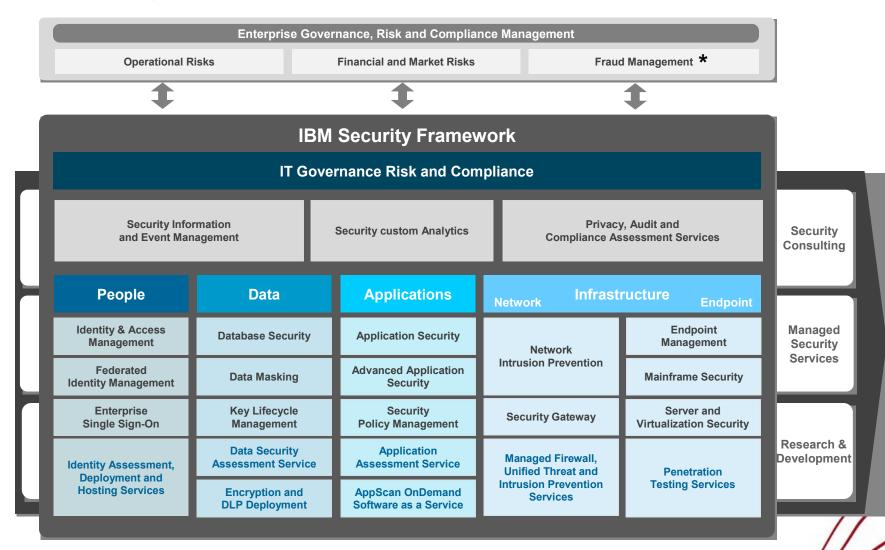


Security Intelligence is enabling progress to optimized security





IBM Security Framework



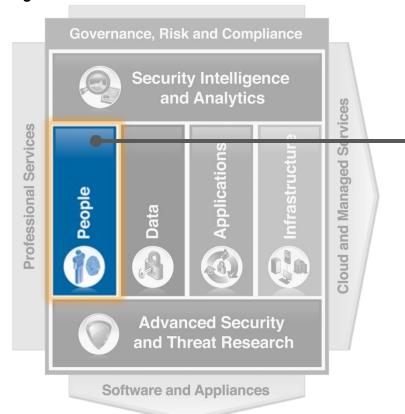
^(*) Per la gestione delle Frodi in ambito Financial Services IBM ha elaborato ulteriormente il Framework con una contestualizzazione specifica: una sorta di Framework nel Framework.





Area of Focus

Manage and extend enterprise identity context across security domains with comprehensive Identity Intelligence



Portfolio Overview

IBM Security Identity Manager

- Automate the creation, modification, and termination of users throughout the lifecycle
- Identity control including role management and auditing

IBM Security Access Manager Family

- Automates sign-on and authentication to enterprise web applications and services
- Entitlement management for fine-grained access enforcement

IBM Security zSecure suite

- User friendly layer over RACF to improve administration and reporting
- Monitor, audit and report on security events and exposures on mainframes

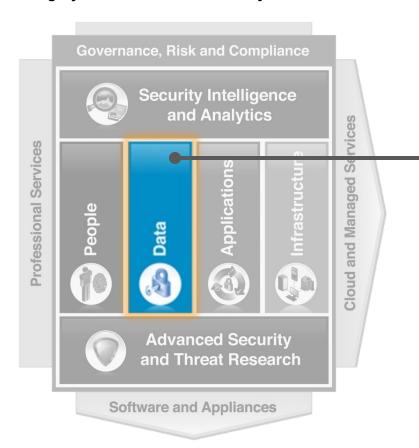




Data

Area of Focus

Enterprise-wide solutions for helping secure the privacy and integrity of trusted information in your data center



Portfolio Overview

IBM InfoSphere Guardium Product Family

- •Database Activity Monitoring continuously monitor and block unauthorized access to databases
- •Privileged User Monitoring detect or block malicious or unapproved activity by DBAs, developers and outsourced personnel
- •Database Leak Prevention help detect and block leakage in the data center
- •Database Vulnerability Assessment scan databases to detect vulnerabilities and take action
- •Audit and Validate Compliance simplify SOX, PCI-DSS, and Data Privacy processes with pre-configured reports and automated workflows

IBM Security Key Lifecycle Manager

- •Centralize and automate the encryption key management process
- •Simplify administration with an intuitive user interface for configuration and management



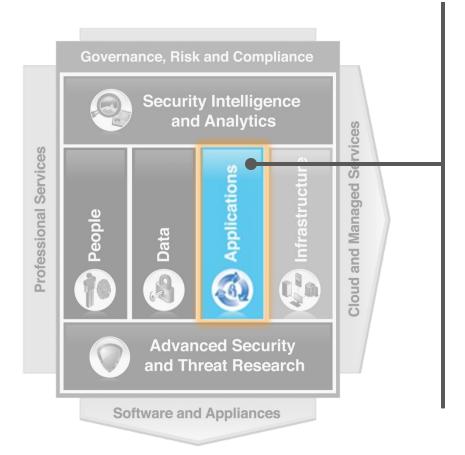




Applications

Area of Focus

Reducing the cost of developing more secure applications



Portfolio Overview

AppScan Enterprise Edition

- •Enterprise-class solution for application security testing and risk management with governance and collaboration
- •Multi-user solution providing simultaneous security scanning and centralized reporting

AppScan Standard Edition

•Desktop solution to automate web application security testing for IT Security, auditors, and penetration testers

AppScan Source Edition

 Adds source code analysis to AppScan Enterprise with static application security testing

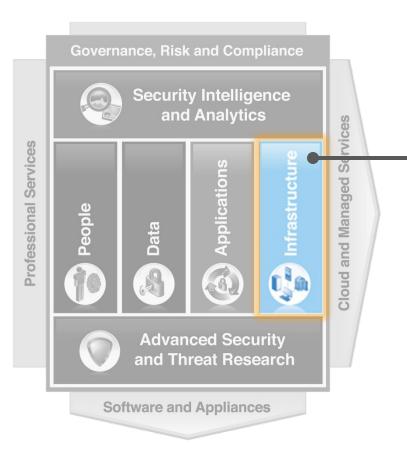




Infrastructure (Network)

Area of Focus

Help guard against sophisticated attacks with insight into users, content and applications



Portfolio Overview

IBM Security Network Intrusion Prevention (IPS)

- •Delivers Advanced Threat Detection and Prevention to help stop targeted attacks against high value assets
- •Proactively improves protection with IBM Virtual Patch® technology
- •Helps protect web applications from threats such as SQL Injection and Cross-site Scripting attacks
- •Integrated Data Loss Prevention (DLP) monitors data security risks throughout your network
- •Provides Ahead of the Threat® protection backed by world renowned IBM X-Force Research

IBM Security SiteProtector

 Provides central management of security devices to control policies, events, analysis and reporting for your business



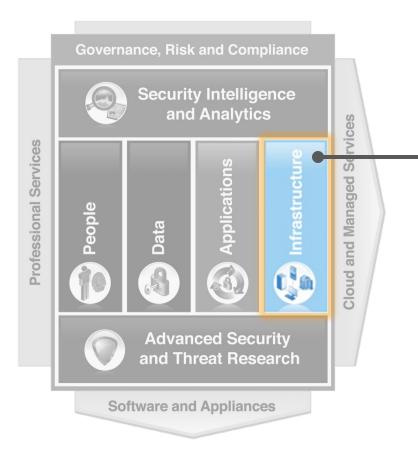




Infrastructure (Endpoint and Server)

Area of Focus

Helping endpoints, servers, and mobile devices remain compliant, updated, and protected



Portfolio Overview

IBM Endpoint Manager for Security and Compliance

 Addresses distributed environments with endpoint and security management in a single solution

IBM Endpoint Manager for Core Protection

•Helps protect endpoints from malware and other threats in real-time

IBM Endpoint Manager for Mobile Devices

 Manage and help secure traditional endpoints as well as iOS, Android, Symbian, and Microsoft devices

IBM Security Server Protection

 Helps provide multilayered protection against threats, supporting a broad range of operating systems

IBM Security Virtual Server Protection for VMware

 Helps provide dynamic security for virtualization with VM rootkit detection, auditing, network intrusion prevention

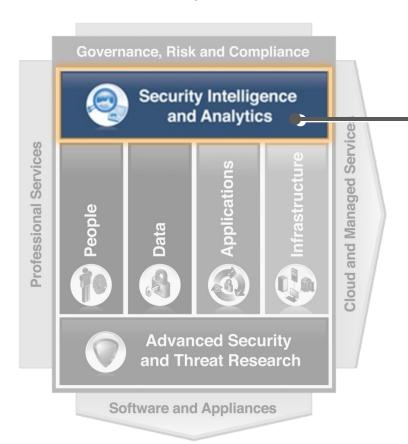




Security Intelligence and Analytics

Area of Focus

Helping customers optimize security with additional context, automation and integration



Portfolio Overview

QRadar SIEM

- Integrated log, threat, compliance management
- Asset profiling and flow analytics
- Offense management and workflow

QRadar Risk Manager

- •Predictive threat modeling and simulation
- Scalable configuration monitoring and audit
- Advanced threat and impact analysis

QRadar Log Manager

- Turnkey log management
- Upgradeable to enterprise SIEM

Network Activity Collectors (QFlow / VFlow)

- Network analytics, behavior and anomaly detection
- Fully integrated with SIEM



Solutions for the Full Compliance and Security Intelligence Timeline

What are the external and internal threats?

Are we configured to protect against these threats?

What is happening right now?

What was the impact?

Vulnerability

PREDICTION / PREVENTION PHASE



Exploit

REACTION / REMEDIATION PHASE

Remediation



Prediction & Prevention

Risk Management. Vulnerability Management.
Configuration Monitoring. Patch Management.
X-Force Research and Threat Intelligence.
Compliance Management. Reporting and Scorecards.



Post-Exploit

Reaction & Remediation

SIEM. Log Management. Incident Response.
Network and Host Intrusion Prevention.
Network Anomaly Detection. Packet Forensics.
Database Activity Monitoring. Data Loss Prevention.









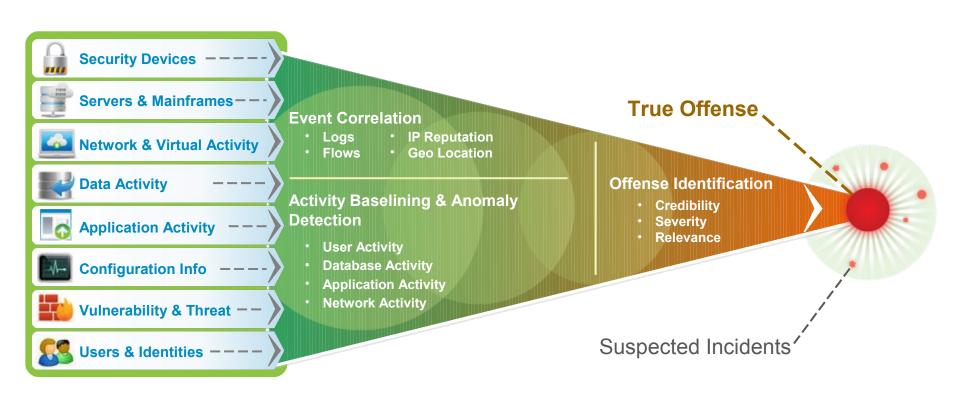








Context and Correlation Drive Deepest Insight



Extensive Data Sources

Deep Intelligence



Exceptionally Accurate and Actionable Insight



Fully Integrated Security Intelligence

Log Management



- Turn-key log management and reporting
- SME to Enterprise
- Upgradeable to enterprise SIEM

SIEM





- · Log, flow, vulnerability & identity correlation
- · Sophisticated asset profiling
- Offense management and workflow

Configuration & Vulnerability Management





- · Network security configuration monitoring
- Vulnerability prioritization
- Predictive threat modeling & simulation

Network Activity & Anomaly Detection







- Network analytics
- · Behavioral anomaly detection
- Fully integrated in SIEM

Network and Application Visibility

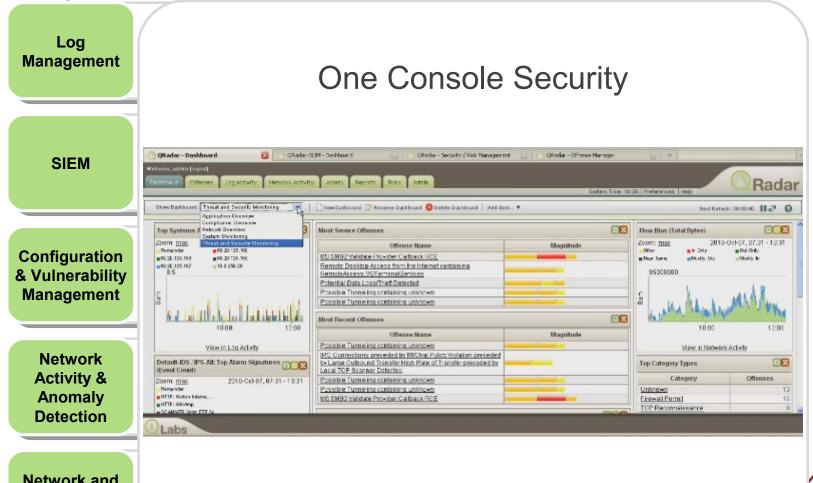




- · Layer 7 application monitoring
- Content capture for deep insight & forensics
- · Physical and virtual environments



Fully Integrated Security Intelligence



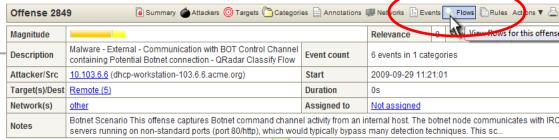
Network and Application Visibility

Built on a Single Data Architecture



Example 1: Detecting Threats

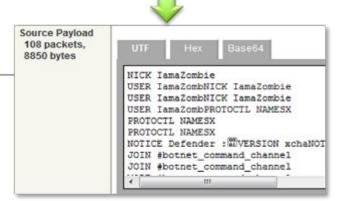
Potential Botnet Detected? This is as far as traditional SIEM can go



IRC on port 80? IBM Security QRadar QFlow detects a covert channel

First Packet Time	Protocol	Source IP	Source Port	Destination IP	Destination Port	Application	ICMP Type/Coc	Source Flags			
11:19	tcp_ip	10.103.6.6	48667	62.64.54.11	80	IRC	N/A	S,P,A			
11:19	tcp_ip	10.103.6.6	50296	192.106.224.13	80	IRC	NA	S,P,A			
11:19	tcp_ip	10.103.6.6	51451	62.181.209.20	88	IRC	N/A	S,P,A			
11:19	tcp_ip	10.103.6.6	47961	62.211.73.232	80	IRC	N/A	F,S,P,A			

Irrefutable Botnet Communication Layer 7 flow data contains botnet command control instructions



Application layer flow analysis can detect threats others miss



Example 2: Addressing Regulatory Mandates



PCI compliance at risk?

Real-time detection of possible violation



Event Name ▼	Log Source	Source IP	Source Port	Destination IP	Destination Port
Compliance Policy Violation - C	Flow Classification Engine-5:	10.103.12.12	1482	10.101.3.30	23

Unencrypted Traffic

IBM Security QRadar QFlow saw a cleartext service running on the Accounting server PCI Requirement 4 states: Encrypt transmission of cardholder data across open, public networks

Compliance Simplified

Out-of-the-box support for major compliance and regulatory standards
Automated reports, pre-defined correlation rules and dashboards