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*“Enterprise security is no longer about technology alone. It has clearly become a strategic business priority for the board of directors.”*

—Brendan Hannigan, General Manager,  
IBM Security Systems

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## IBM Security: Intelligence, integration, expertise

*One of the broadest, most advanced and integrated enterprise security product and service portfolios*

### Highlights

- Focus investment on what is most important by leveraging a risk-based approach to securing people, data, applications and infrastructure
- Detect and respond to complex threats by deriving security intelligence from integrated controls and analysis of an increasingly broad spectrum of security telemetry
- Take advantage of innovations in cloud and mobile technology to improve the security of IT infrastructure, as well as the delivery of new products, services and intelligence

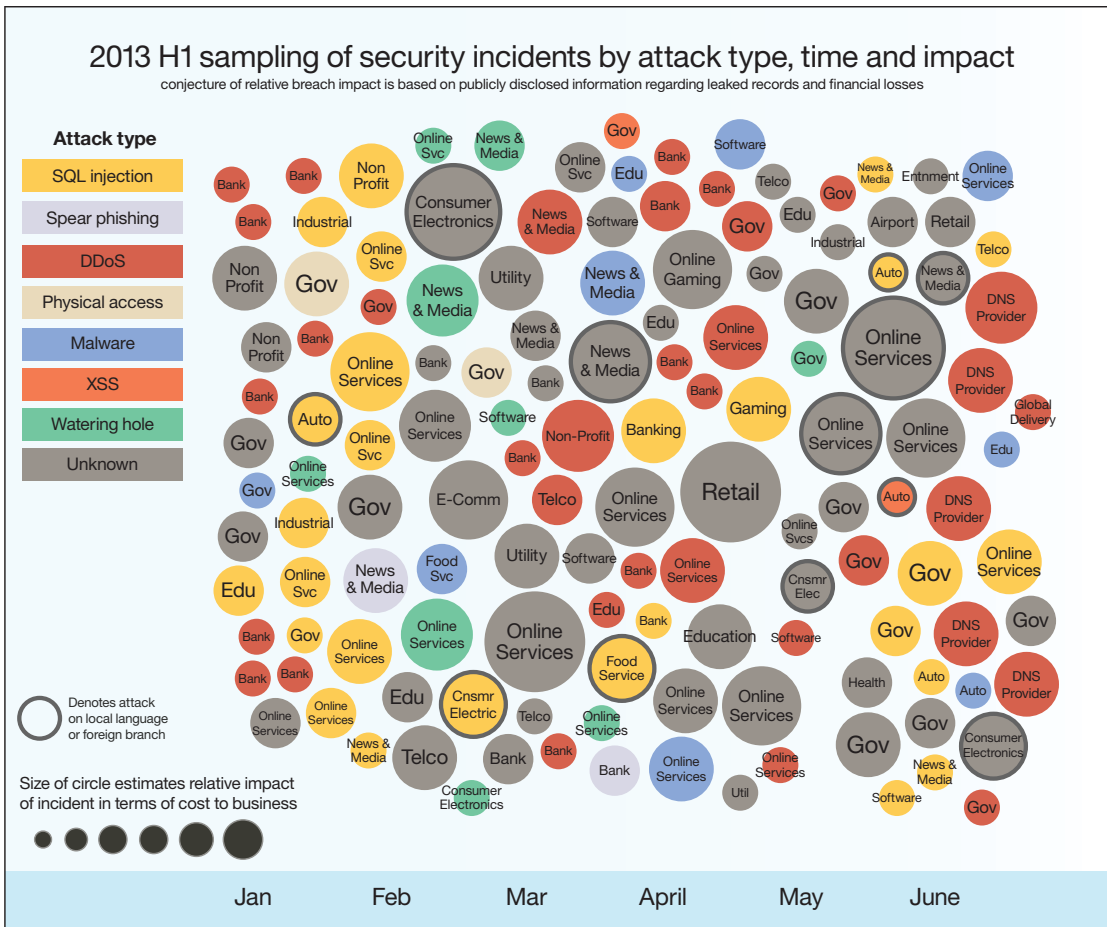
### An increasingly intense threat landscape

Over the last decade, the pervasiveness of technology has driven change throughout nearly every facet of social interaction, commerce, business and entertainment. The impact of this shift can be found within evolving enterprise IT models as well in the way products and services are designed and delivered to increasingly web- and mobile-centric consumers.

As technology plays a critical role in how organizations deliver value to their customers, IT security has become a challenge that represents significant organizational risk.

Sophisticated attackers, cybercriminals and malicious insiders are using Internet-driven attacks to deny or disrupt service, steal sensitive business data and intellectual property, perpetrate fraud and identity theft, and gain long-term access to strategically significant networks.



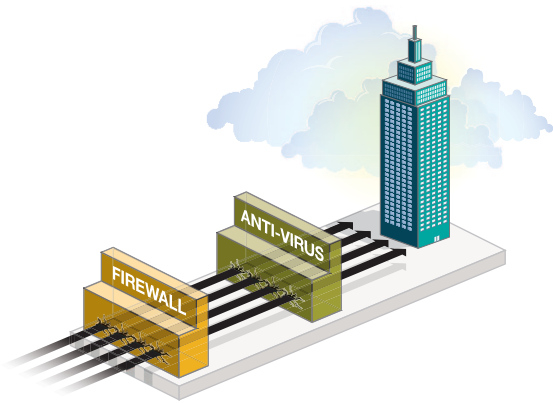


The IBM X-Force research and development team found the threat activity continuing to escalate in 2013.

### Traditional defenses bypassed

Designed to gain continuous access to critical business information, targeted threats are the new reality. These attacks are well-researched, utilize cutting-edge tactics and involve custom malware that can run undetected for long periods of time. These attacks have eroded the effectiveness of traditional

IT defenses including firewalls and anti-virus solutions—even bypassing these controls completely in some cases. A fundamentally different approach to security is required—one that more completely understands and embraces the dynamic nature of attacks and the need for more integration across tools, teams and processes.



Traditional defenses are no longer sufficient.

### IBM Security Systems

The IBM® Security Systems division helps IT and business leaders around the world more effectively address the challenges of security threats. The IBM approach moves beyond point products and static controls. It is based on dynamic technologies that approach defense through the lens of behavioral analysis, including system, network, endpoint, end-user or application behavior. IBM has invested in a security strategy built on three core tenets—intelligence, integration and expertise. The result is a comprehensive security framework that spans hardware, software and services expertise, working together to provide integrated security solutions customized to meet unique needs and deliver a low cost of ownership.

### Intelligence

While independent controls are important, given the complex nature of modern attacks, a comprehensive view of an organization's security posture is also necessary. Organizations need to be able to collect and analyze behavioral data related to their own internal users, networks and systems. They also need to extend that data to include external threat intelligence such as IP reputation and information about malware. IBM security



The IBM approach to security is multilayered.

solutions enable organizations to collect billions of security events a day, normalize and correlate that data across sources, and prioritize only a handful of the most critical issues for immediate human response. This approach enables organizations to strategically prioritize and contain the incidents that represent a significant potential threat.

## Integration

Many large organizations deploy a mixture of security controls for each new threat, and typically, these controls do not integrate with one another. In addition to increasing the cost and complexity of the IT environment, this disjointed approach can make it very difficult to detect a stealthy attacker. To help organizations overcome these challenges, IBM is focused on five primary categories of integration:

- **Extensible platforms:** IBM QRadar® Security Intelligence Platform provides a single dashboard, delivered through an integrated set of modules, from which a security analyst can have a comprehensive view of enterprise security risks, vulnerabilities and events—and take action.
- **Cross-domain solutions:** Meaningful integrations exist throughout the portfolio, allowing organizations to understand the context of events and create policies to help detect, predict and remediate threats, far beyond the reach of a siloed system.
- **Secure-by-design approach:** Security capabilities are built into—rather than bolted onto—application development tools and platforms.

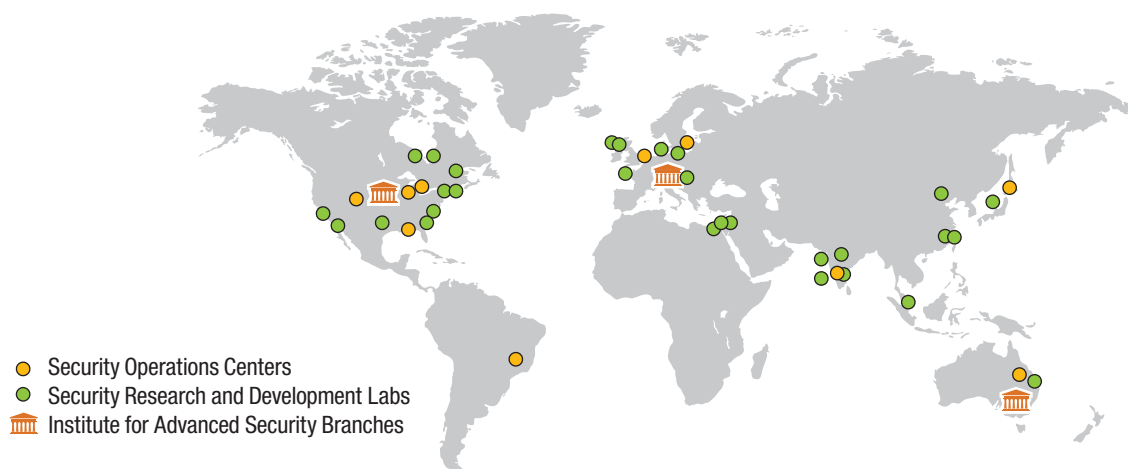
- **Integrated research:** Threat intelligence from the world-renowned IBM X-Force® research and development team is integrated across the security portfolio.
- **Third-party support:** IBM has a vast number of technical integrations with other vendors.

This focus on integration enables organizations to more effectively build security into the development processes, correlate and analyze security events, reduce cost and complexity, and ultimately detect the threats that otherwise might go unnoticed.

## Expertise

With more than 6,000 researchers, developers and subject matter experts engaged in security initiatives, IBM operates one of the world's broadest enterprise security research, development and delivery organizations. This powerful combination of expertise is made up of the X-Force research and development team—with one of the largest vulnerability databases in the industry—and includes the malware analysis team from Trusteer, an IBM company;<sup>1</sup> 10 security operations centers monitoring billions of events for clients every day; 10 IBM Research centers; and 19 software security development labs worldwide.

### IBM operates one of the world's broadest security research and development and delivery organizations



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## Applying security innovation to cloud and mobile environments

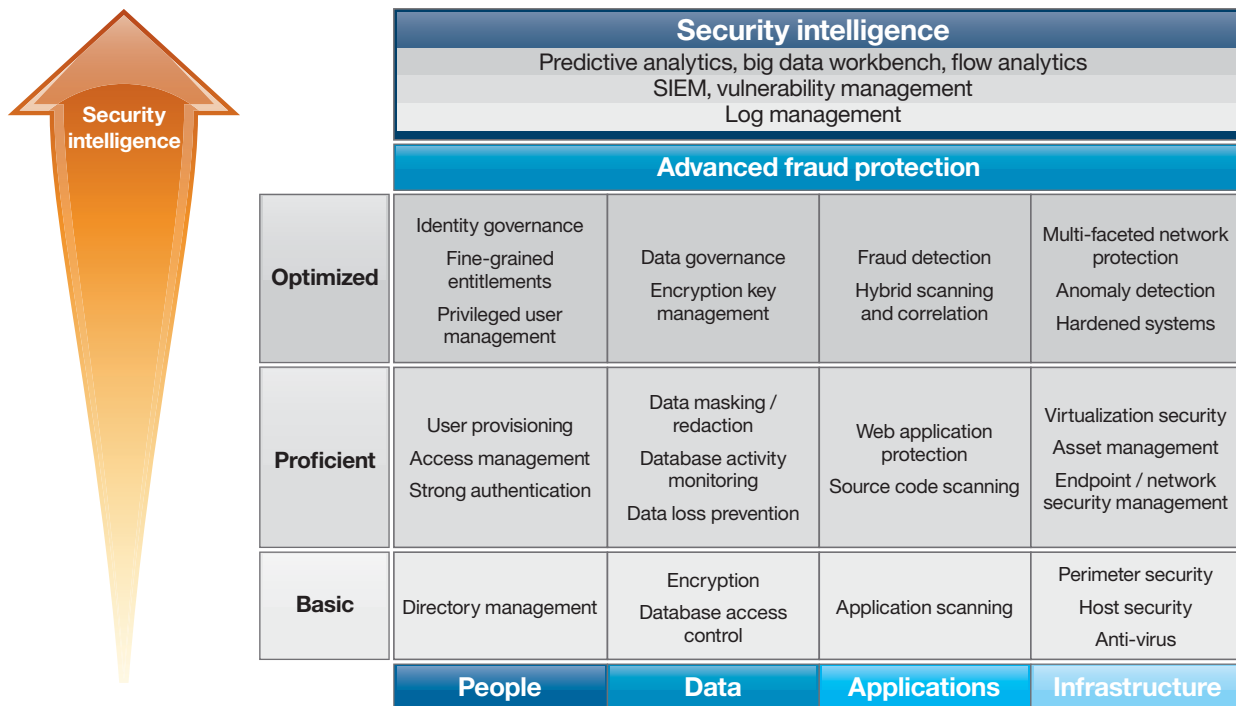
While new computing models bring inherent change, the extension of established security technology, principles and best practices to cloud and mobile environments can help reduce the challenges of migration and adoption, and pave the way for approaching innovation with confidence.

## For more information

To learn more about IBM Security, please contact your IBM representative or IBM Business Partner, or visit: [ibm.com/security](http://ibm.com/security)

**IBM. Security Intelligence. Think Integrated.**

### Reaching security maturity



IBM Security products have many leading capabilities in every segment.

## About IBM Security solutions

IBM Security offers one of the most advanced and integrated portfolios of enterprise security products and services. The portfolio, supported by world-renowned X-Force research and development, provides security intelligence to help organizations holistically protect their people, infrastructures, data and applications, offering solutions for identity and access management, database security, application development, risk management, endpoint management, network security and more. These solutions enable organizations to effectively manage risk and implement integrated security for mobile, cloud, social media and other enterprise business architectures. IBM operates one of the world's broadest security research, development and delivery organizations, monitors 15 billion security events per day in more than 130 countries, and holds more than 3,000 security patents.

Additionally, IBM Global Financing can help you acquire the software capabilities that your business needs in the most cost-effective and strategic way possible. We'll partner with credit-qualified clients to customize a financing solution to suit your business and development goals, enable effective cash management, and improve your total cost of ownership. Fund your critical IT investment and propel your business forward with IBM Global Financing. For more information, visit: [ibm.com/financing](http://ibm.com/financing)



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<sup>1</sup> Trusteer was acquired by IBM in August of 2013.



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