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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

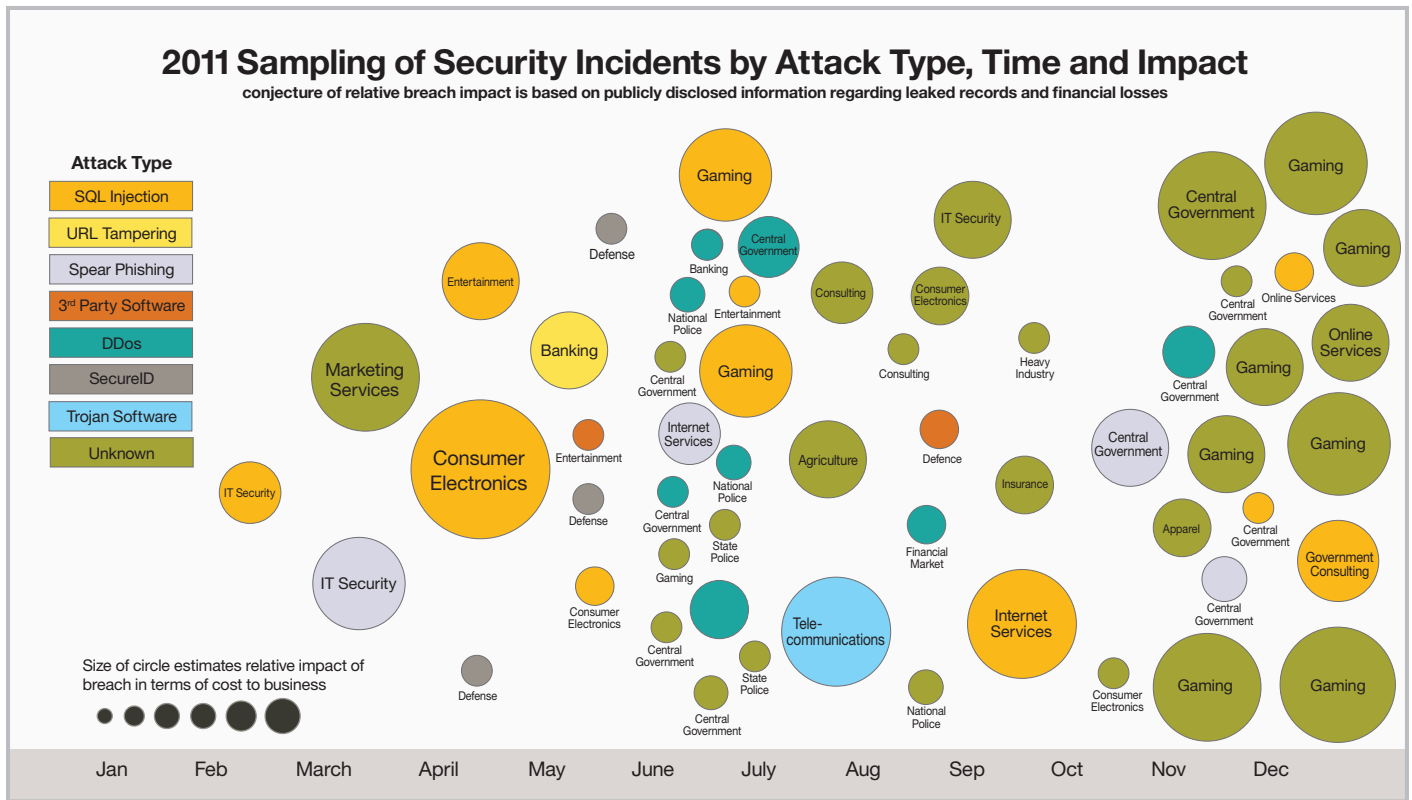
- Utilize Security Intelligence to help detect, predict and remediate breaches that may not be detected by point products alone
- “Plug the holes” of competitive point product approaches with an integrated solution from the *recently formed IBM Security Systems division*
- Enable today’s cutting-edge technology platforms, from mobility to cloud to social

### A Hyper-connected Business World

The era of big data has arrived with an explosion of digital business information accessed from, and stored on, virtualized cloud and social platforms, and on mobile devices that are part consumer, part business. Everything is everywhere. The complexity is overwhelming; the possible points of attack near limitless.

By traditional metrics, the IT security industry has recently shown significant improvement in the fight to secure this environment. But the attacks have recently grown in sophistication, severity and frequency—leading to 2011 being declared “The Year of the Security Breach” by the renowned IBM X-FORCE® research and development team.<sup>1</sup> Ranging from cybercrime to apparent state-sponsored and terror-inspired motivations, these attacks leave no one immune. And in an environment where business is increasingly dependent upon a company’s online presence, today’s threats are directly aimed at the business, not the technology.

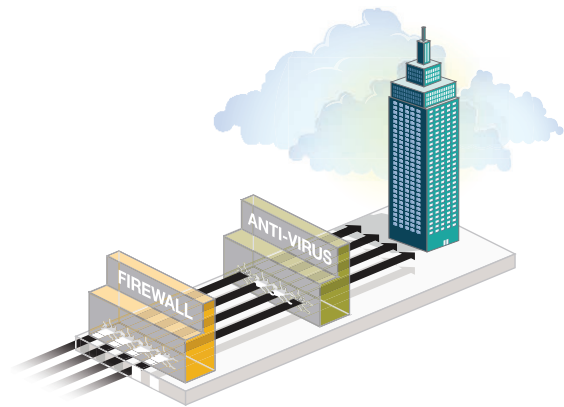




Labeled as “The Year of the Security Breach” by the IBM X-FORCE research and development team, 2011 was marked by a high volume of severe and varied security attacks.

### Traditional Defenses Bypassed

Designed to gain continuous access to critical business information, Advanced Persistent Threats are the new reality. These attacks utilize cutting-edge methodologies, can last for long periods of time and are specifically targeted. These methods have eroded the effectiveness of traditional IT defenses including firewalls and antivirus solutions—even bypassing these controls completely in some cases. A fundamentally different security approach is required to help secure today’s enterprise, not only with effective technology, but with rigorous processes and organization. Siloed point products protecting only the perimeter are no longer enough.



Traditional defenses are no longer sufficient.



## Introducing the IBM Security Systems division

At the beginning of 2012, IBM formed the Security Systems division to develop the integrated strategy and roadmap needed in today's environment of ever-increasing security complexity. To help address the overwhelming need for enterprise security in today's hyper-connected, big data, everything-is-everywhere business world, IBM based this division on three main tenets—Intelligence, Integration and Expertise.

### Intelligence

Leveraging deep IBM expertise in analytics, the first tenet is Security Intelligence: millions of events are processed in real-time to help *detect, predict and remediate breaches that no other system can.*

### Integration

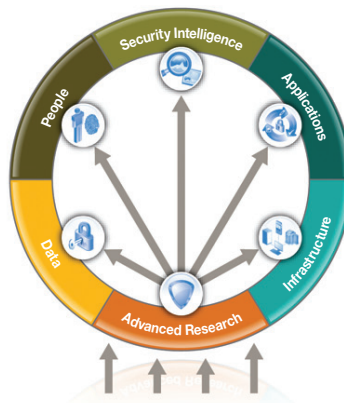
The second tenet is the integration of the IBM portfolio of Security Intelligence, X-FORCE research and core protection assets. This helps collapse data silos for easier compliance

The IBM approach to security is multilayered.

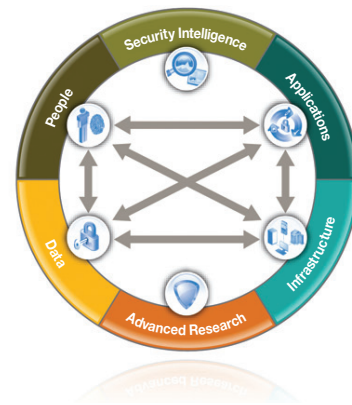
### Integrated Intelligence.



### Integrated Research.



### Integrated Protection.



The integration of Security Intelligence, X-FORCE research and core protection assets is a powerful combination.

## IBM Software

reporting and improved Security Intelligence, reduce complexity and lower the cost of maintaining a strong security posture. In addition, integration:

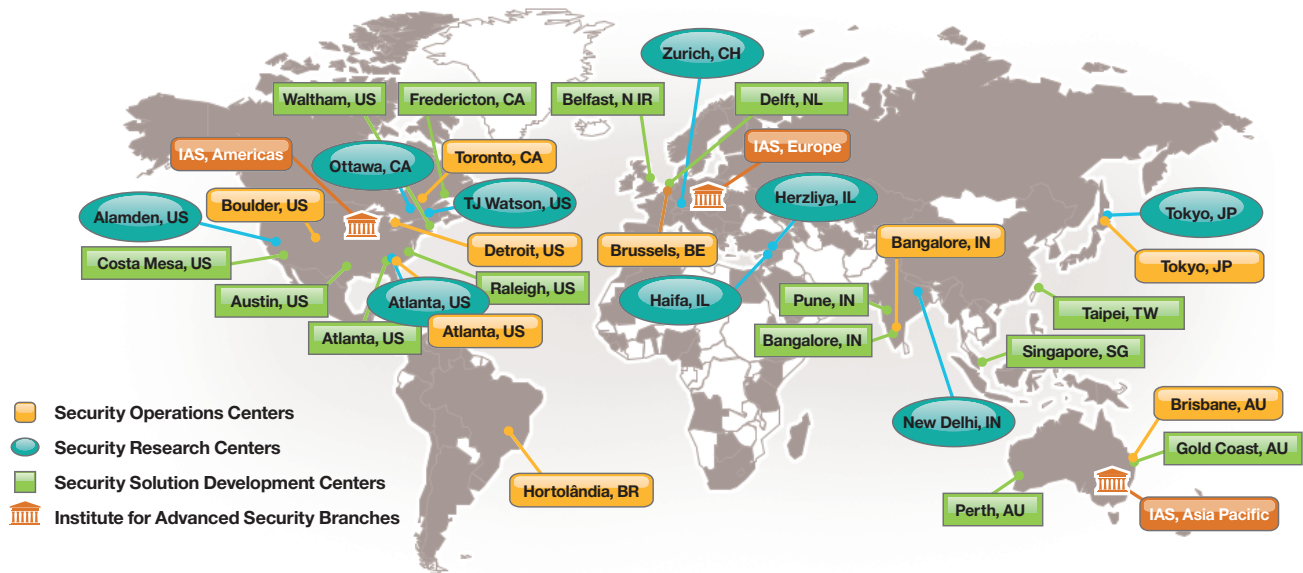
- Provides external and internal contextual information to help breach detection, prediction and remediation
- Automates updates for devices and software for researched vulnerabilities
- Can link authentication and authorization with suspicious database activity
- Automates compliance and risk assessment activities

### 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 award-winning X-FORCE research and development team—with one of the largest vulnerability databases in the industry—and includes nine security operations centers, nine IBM Research centers, 14 software security development labs and the IBM Institute for Advanced Security with chapters in the United States, Europe and the Asia Pacific region.

IBM currently monitors more than 13 billion security events per day for its clients in more than 130 countries. IBM has the consultants and expertise to help any organization move toward optimized, integrated security controls with Security Intelligence.



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

**From Mobility to Cloud to Social:  
a framework of capabilities for  
any environment**

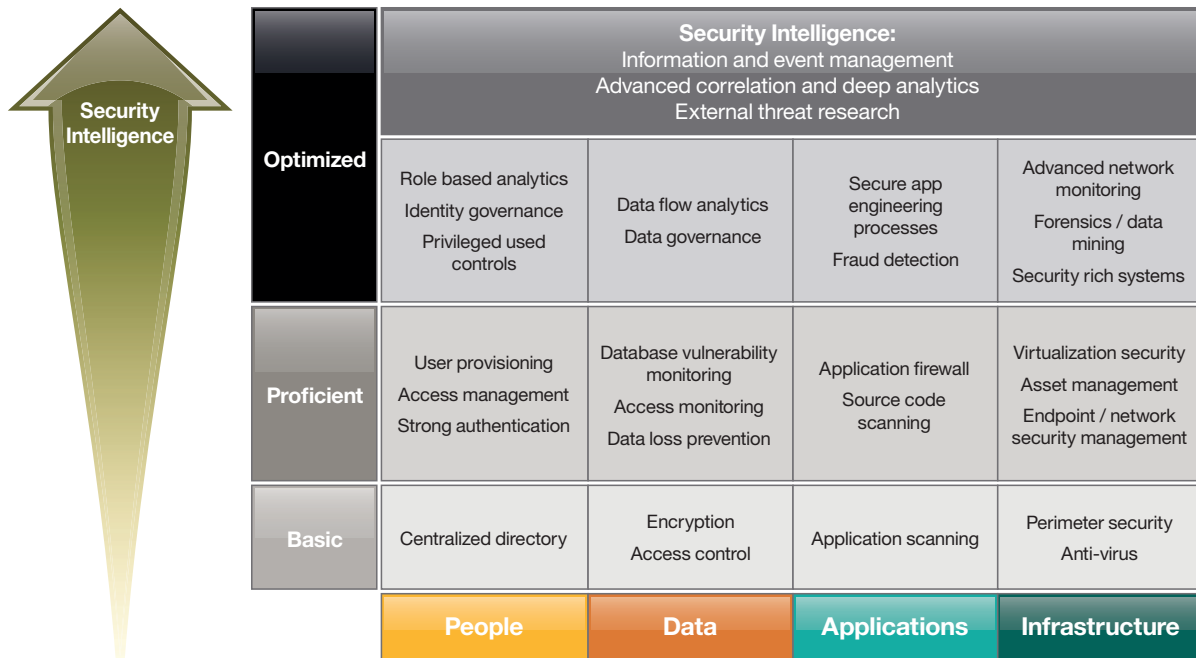
Today’s cutting-edge environments can bring tremendous opportunity as well as risk. The IBM integrated and comprehensive approach to security—reaching across People, Data, Applications and Infrastructure—provides the core structure for an adaptive approach when implementing new technologies, now or with unknown futures.

**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)

To join the Institute for Advanced Security, please visit: [www.instituteforadvancedsecurity.com](http://www.instituteforadvancedsecurity.com)

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



IBM Security products have many leading capabilities in every segment.

## About IBM Security

The IBM security portfolio provides security intelligence to help organizations holistically protect their people, infrastructure, data and applications, offering solutions for identity and access management, database security, application development, risk management, endpoint management, network security and more. IBM Security products, services and expertise enable organizations to more effectively manage risk and implement integrated security solutions for mobile, cloud, social media and other enterprise business architectures. IBM operates one of the world's broadest security research and development and delivery organizations. This comprises nine security operations centers, nine IBM Research centers, 11 software security development labs and an Institute for Advanced Security with chapters in the United States, Europe and Asia Pacific. IBM monitors 13 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> "IBM X-FORCE 2011 Trend & Risk Report," page 12, IBM, March 2012, <http://public.dhe.ibm.com/common/ssi/ecm/en/wgl03012usen/WGL03012USEN.PDF>



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