

**Pulse**  
Comes to You



**IBM**

*Managing the World's Infrastructure*

# Protecting the Evolving Infrastructure

*Bhriagu Nagal*

*Product Manager – Security Services*



© 2009 IBM Corporation

# We simply cannot be held back!

## THE TIMES OF INDIA

US

Home Cities India World Business Cricket Sports Health & Science Info

US Indians Abroad Pakistan South Asia UK Europe China Middle East

### US electricity grid hit by cyber attacks: Report

8 Apr 2009, 2122 hrs IST, AFP

### China cyber attack: NIC most affected, 9 embassies hit

9 Comments | Post Comment

BOOKMARK

Share icons

Larger | Smaller

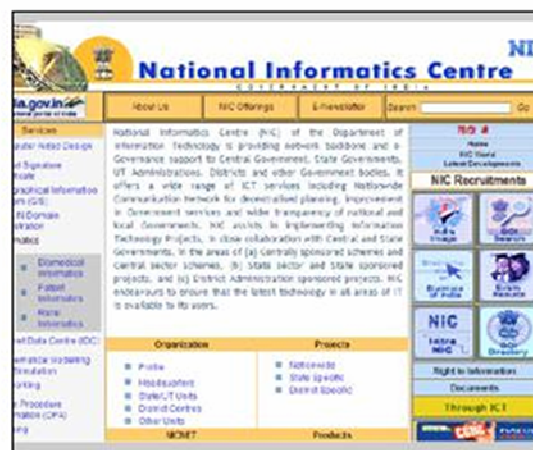
Manu Pubby

Posted: Tuesday, Mar 31, 2009 at 0848 hrs IST

#### New Delhi:

Computers of nine key Indian embassies, including offices in the US, UK and Germany, were infected by the mysterious GhostNet, a China-based cyber espionage network that has been uncovered by a Canada-based research organisation.

More worryingly, the cyber investigation says that India's premier National Informatics Centre (NIC), which governs and hosts all government websites, was infected by the mysterious GhostNet at least 12 times in the past two years.



Share Save Comment Text

an cyber-spies have hacked into the US mes that could be used to disrupt the system, a report said on Wednesday.

Quoting unidentified intelligence sources and homeland security officials, the Wall Street Journal said cyber-spies penetrated the system repeatedly last year, without disrupting it.

"The Chinese have attempted to map our infrastructure, such as the electrical grid," the paper said quoting a senior intelligence official, and "so have the Russians."

In this smarter world, we need our infrastructure to propel us forward, not hold us back.

**Infrastructure that is instrumented, interconnected and intelligent.  
Infrastructure that brings together business and IT to create new possibilities.**

**Mobility  
Infrastructure**



**Facilities  
Infrastructure**



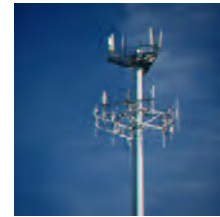
**Production  
Infrastructure**



**Technology  
Infrastructure**



**Communications  
Infrastructure**



We need a *dynamic* infrastructure.

# Dynamic Infrastructure

## Smart is: Managing Risk

Not only addressing today's security, resiliency, and compliance challenges, but also preparing for the new risks posed by an even more *connected* and *collaborative* world.

### SMART IS

Connecting to the world securely with 100% availability.



**Australian Open:** Securely, resiliently provides scalable resources 100x normal scalability, real-time analysis and prevention of attacks and achieves 23% reduction in energy consumption, with 100% website availability.

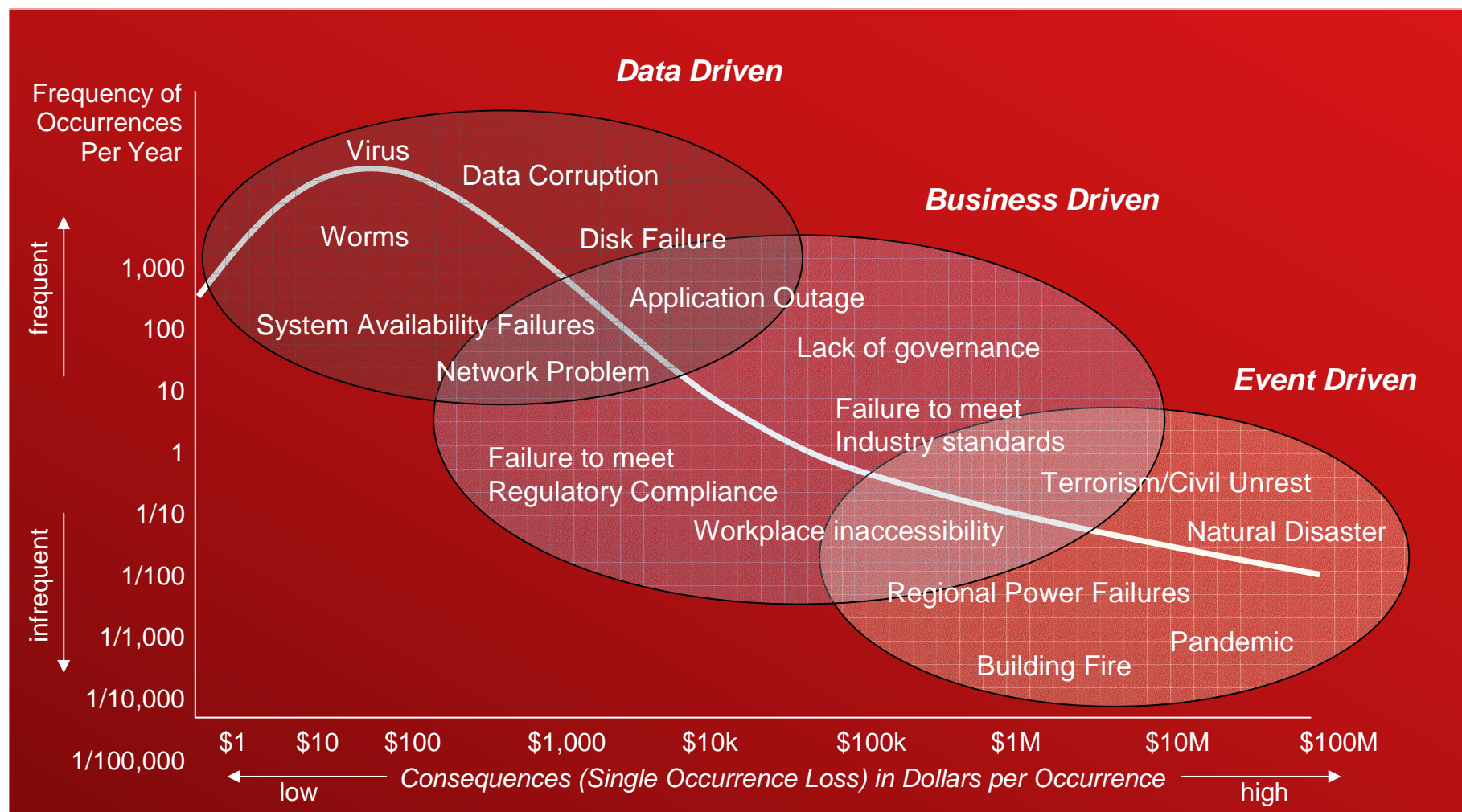
### SMART IS

Protecting your customer... and your brand with no loss of data.



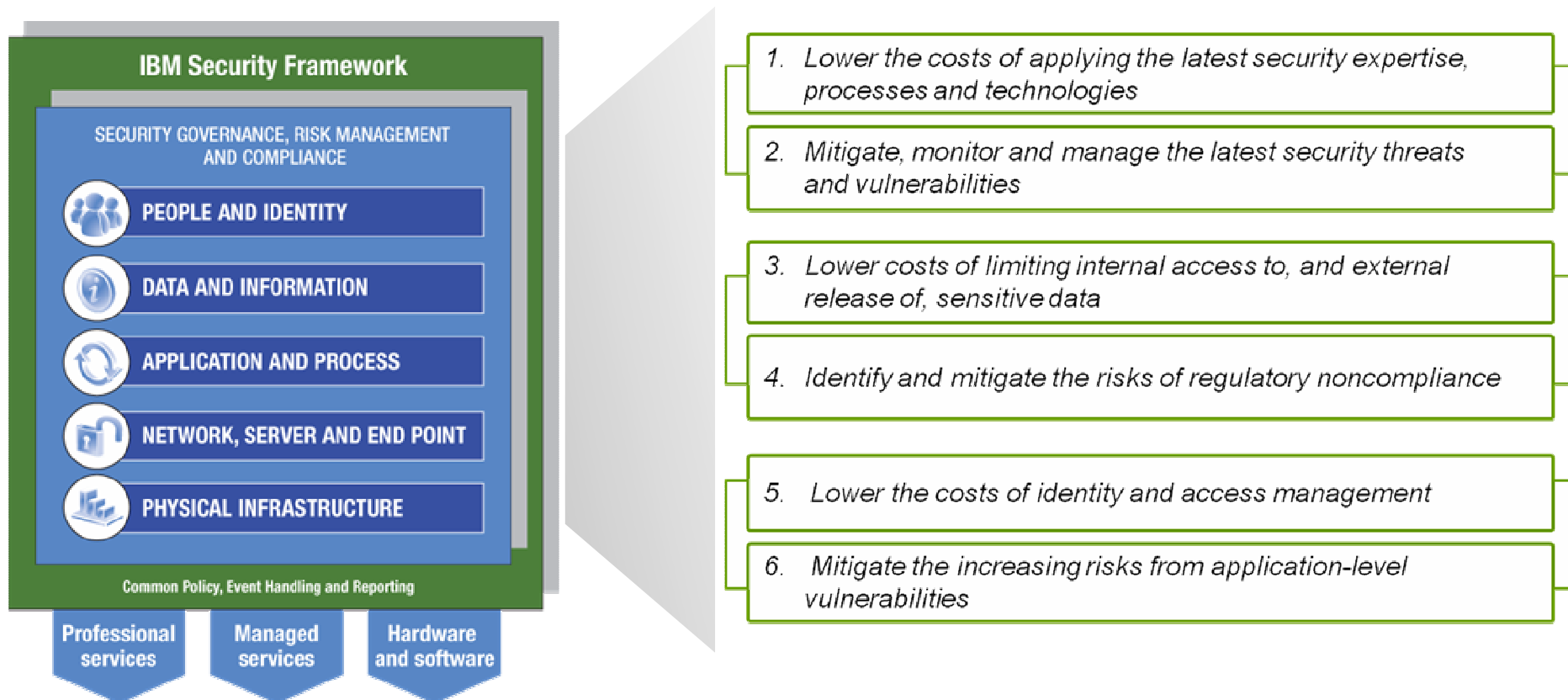
**Bank of Montreal:** Providing a recovery point of zero and a recovery time of 2 hours helps reduce operational risk, increase client trust, improve availability, and meet stringent regulatory compliance requirements.

# Evolving Threats...



# IBM Security Framework

Provides the Business Answers You Need in Uncertain Times



# Professional Security Services

## Security & Governance

Information Security Assessment

Vulnerability Assessment

Penetration testing

Application Security Testing

Security Policy & Procedures

Risk Assessment

ISO 27002 Gap Analysis

PCI Assessment Services

Deployment Services

Awareness & Training

Emergency Response Services

## Identity & Access Mgmt.

Assessment & Strategy

Lifecycle Management

Access Management

## Data Security

Encryption

Data Loss Prevention

Log Analysis

## Physical Security

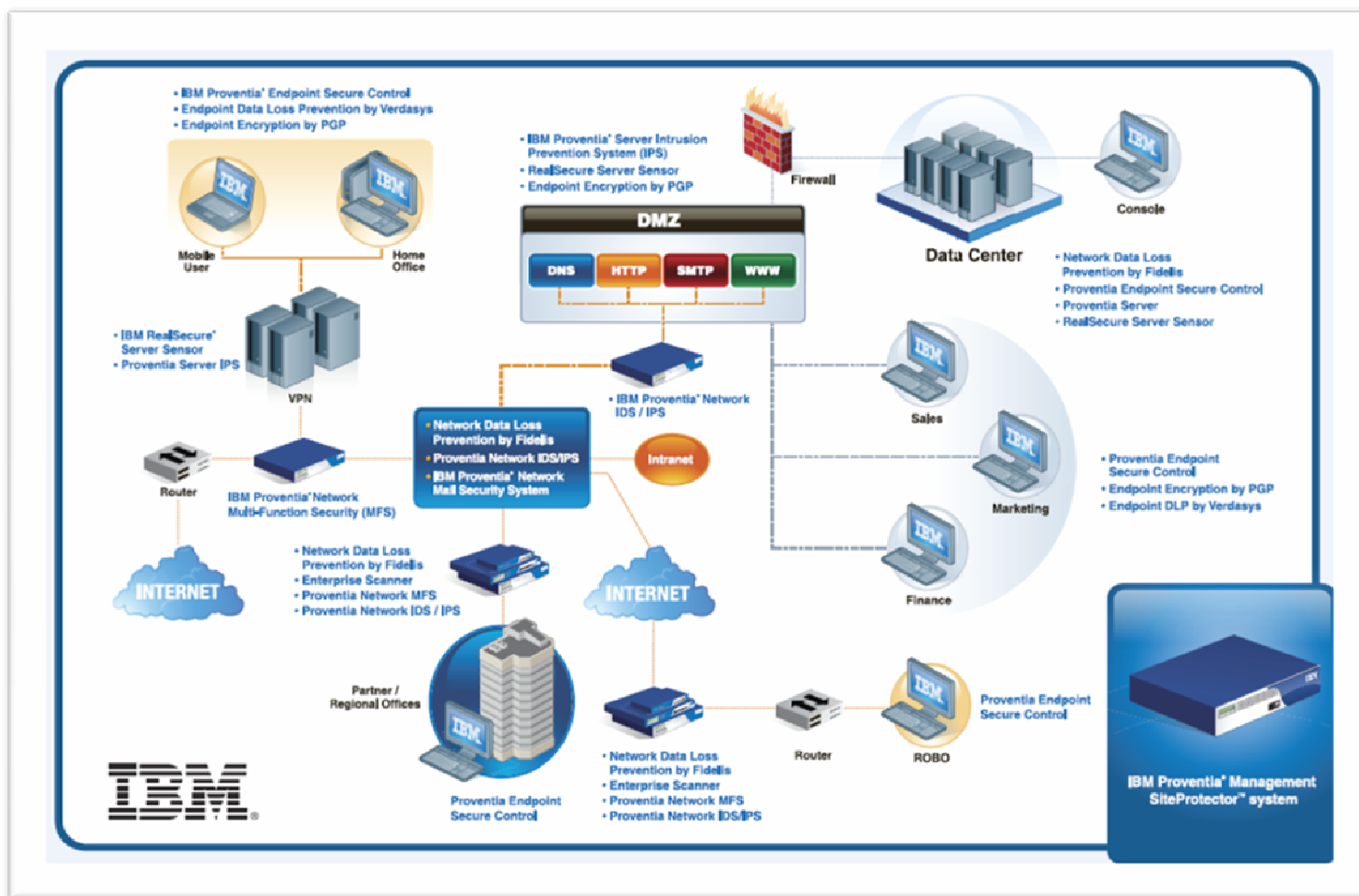
Smart Surveillance Solution

# Managed Security Services

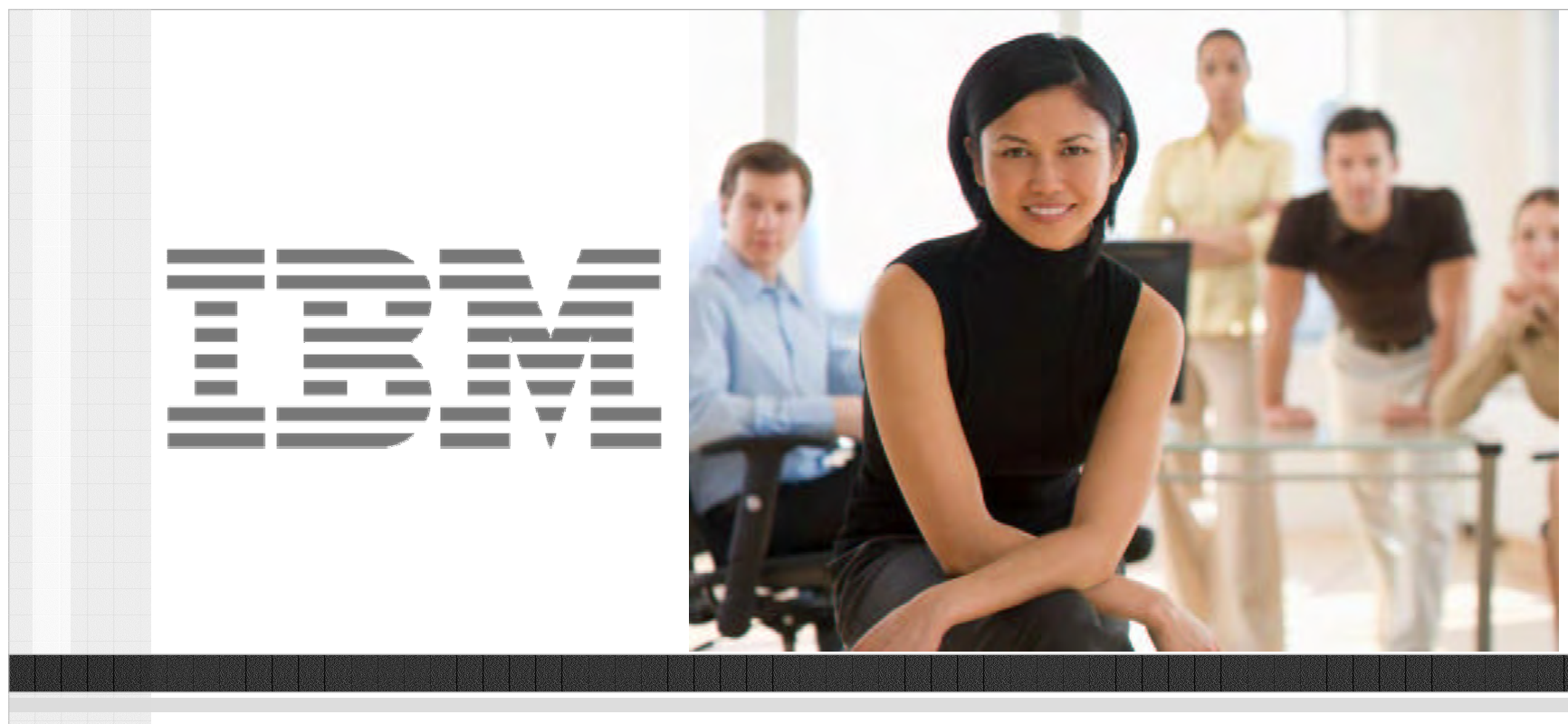




# Integrated Products

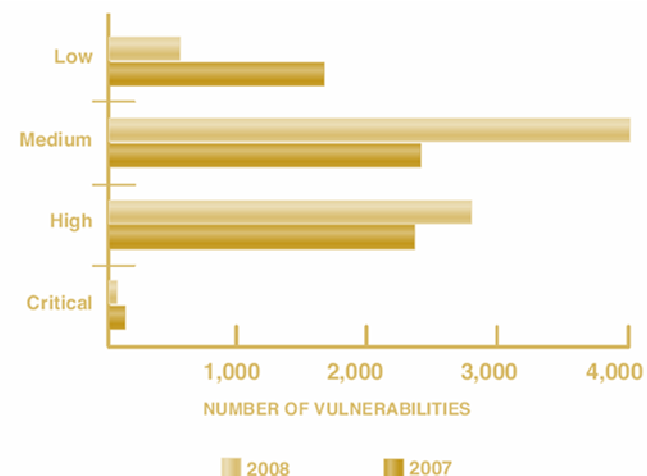


Why...



# The IBM ISS X-Force Advantage

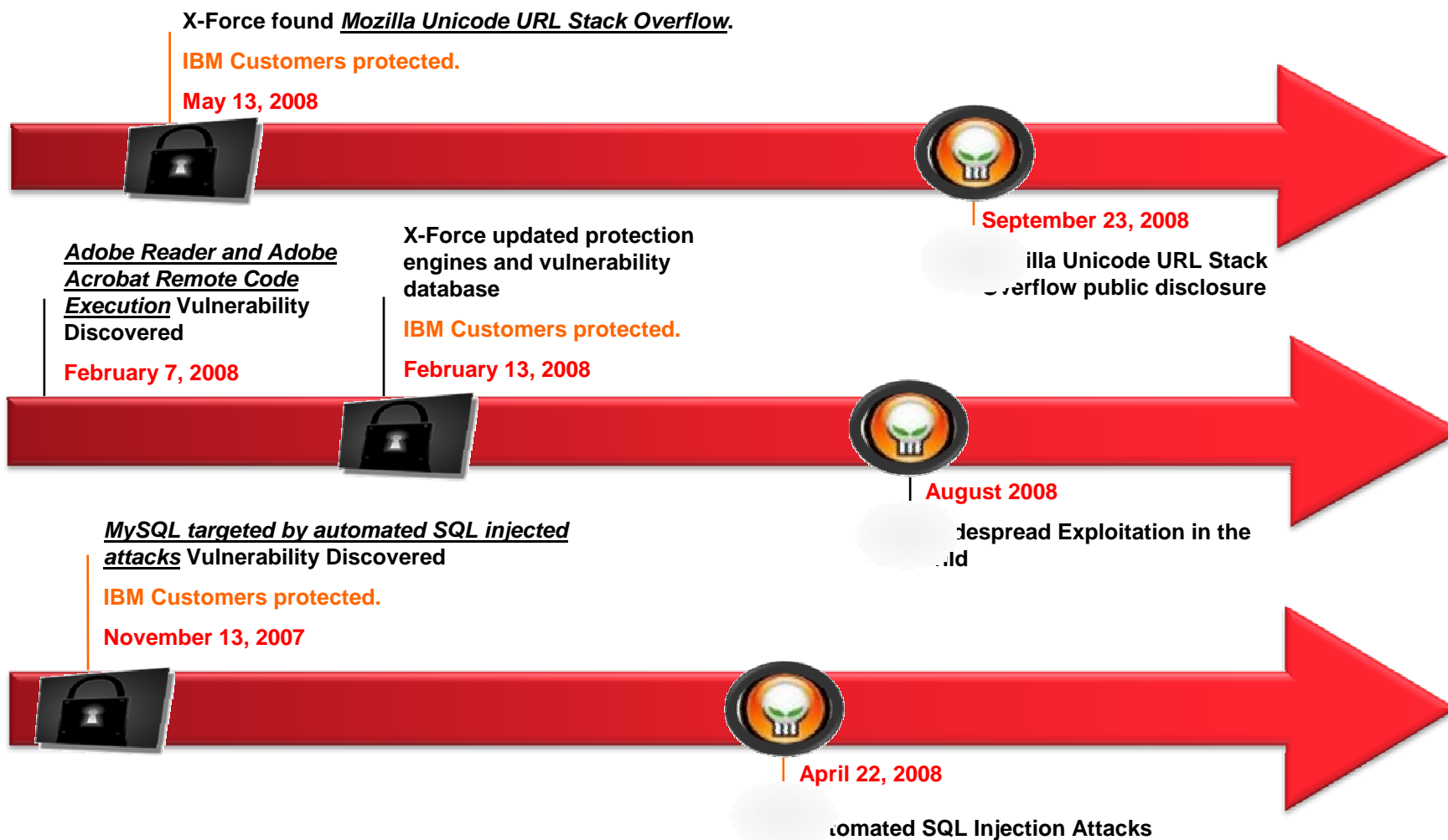
- The **CORE** of IBM Security
- Most comprehensive Vulnerability Database in the world
  - Over **38,000** unique vulnerabilities catalogued
  - Entries date back to the 1990's
  - **9.1B** Web Pages & Images Analyzed
  - **150M** Intrusion Attempts Daily
  - **40M** Spam & Phishing Attacks
- Updated daily by a dedicated research team
- The X-Force database currently tracks over...
  - **7,600 Vendors**
  - **17,000 Products**
  - **40,000 Versions**



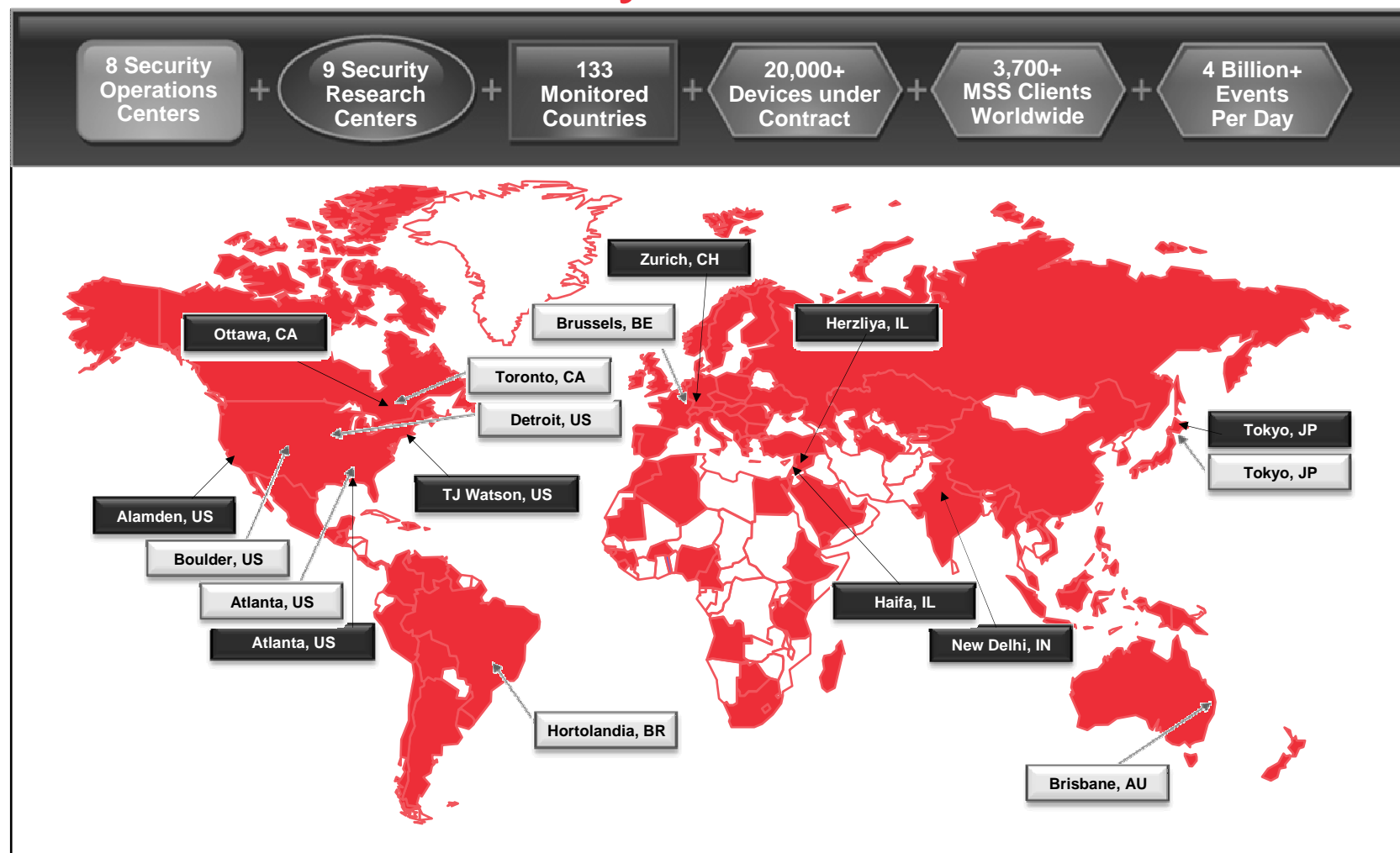
X-Force® Research and Development - The world leaders in security intelligence



# The X-Force Difference



# IBM Global Security Reach



# Why Partner with IBM?

## IBM LEADERSHIP

- **Security Leadership** for **12+ Years**
- **Consult** as well as **remediate**
- **15,000** researchers, developers and SMEs on security initiatives
- **3,000+** security & risk management patents
- 40+ years of proven success securing the zSeries environment
- **X-Force® R&D** – the unequivocal world authority in vulnerability and threat research
- \$6.0B+ in R&D per year, **\$1.5 Billion in Security - 2008**
- IBM is the **only security vendor** in the market today with end-to-end coverage of critical controls
- **Leadership in Managed Security Services** 2007 and 2008: Gartner Magic Quadrant, Forrester Wave, Frost & Sullivan
- Experience with clients of all sizes, industries, all over the world
- **8 Security Operations Centers + 9 Security Research Centers**



So show me the money...



# Customer Speak

★ *“Meeting the PCI DSS regulations was mandatory, but IBM provided us with more than just compliance. Sensitive data is secure, systems are monitored closely for performance issues, and our IT staff can focus on more mission-critical activities.”*

A Retail Company

★ *“The real key is that we have the education in place and now implement security early in the application development lifecycle, so we have less overall vulnerabilities to manage.”*

A Financial Services Firm

★ *“We looked at the TCO and it made more sense to outsource to IBM ISS.”*

A Telecommunications Company

★ *“Using Managed Protection Services instead of paying for 24/7 onsite staff with no guarantee of consistent expertise was slam dunk ROI”*

A Wealth Management Firm

★ *“IBM allowed us to meet business goals while strengthening our security systems and improving the efficiency and effectiveness of our security operations”*

A Manufacturing Organization

★ *“The Proventia Intrusion Prevention Appliance and SiteProtector management system have saved me time and money - I have saved substantial costs in hiring extra staff and lots of time in managing the 20 appliances in place today.”*

An Insurance Group





# Pulse

Comes to You



IBM

*Managing the World's Infrastructure*

## Thank You

*Bhriagu Nagal*

[bhrnagal@in.ibm.com](mailto:bhrnagal@in.ibm.com)

+91-9717200133



© 2009 IBM Corporation