

Making the Internet more secure

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Verisign: Keeping the Internet connected – always.

DELIVERING THE PROMISE OF THE INTERNET.

A lot of companies are on the Internet. But only one actually delivers more than half of the Internet around the world—up to 100 billion unique interactions—every day. Learn how we're different.

2011 MARKS A NEW CHAPTER FOR VERISIGN

VeriSign Authentication Services now part of Symantec



VeriSign
Authentication Services

Going forward

- Registry operator, serving 120 million of the world's domains
- Security expertise through 13 years of uptime



Cyber Security Trends

Increased Sophistication of Attacks / Attackers

More than **286 million** new malware variants detected in 2010 ¹

93% increase in malware attacks in 2011 ¹

56% of malicious code infections were Trojans in 2010 ¹

Reported online crime losses totaled **\$559.7M** USD in 2009 – a total of 336,655 complaints, a **111%** and **22.3%** increase from 2008, respectively. ²

Ecommerce fraud in 2010 estimated to **\$2.7** billion ³

Cyber criminals are targeting Web 2.0 and cloud technologies

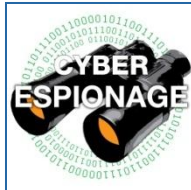
More than **115,000** reported phishing attacks in 2010 ⁴



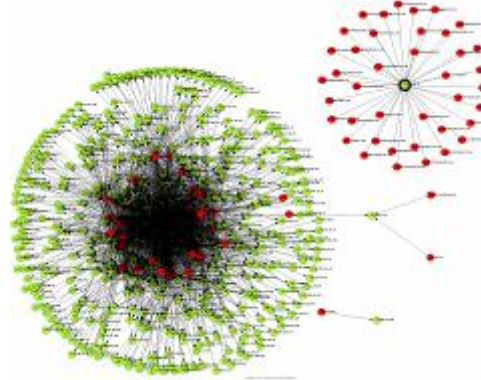
New and Emerging Attack Vectors—Real & Present



Underground Evolution



Malicious Infrastructure

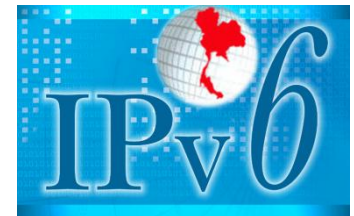


Waldec Trojan: 2500 Unique IPS

Source: Waldec: CarnalOwnege, 01/09

- Social Engineering Attacks
- Phishing/Whaling/Spear Phishing
- Data Stealing Trojans

Technology Disruptors



- Mobile Threats
- Virtualization; Cloud Computing
- IPv6



2011 Trends in Hacktivism

- Deepened Blurring of Criminal and Political Activity: Hacktivism Is Not Just for Hackers Anymore
 - The definition of a political or criminal actor is blurring, as criminals increasingly engage in political activity, and political actors are themselves becoming increasingly integrated with the criminal world.



Movement on International Cooperation



UN Secretary General Ban Ki-moon .

Source: <http://www.unmultimedia.org/photo/index.jsp>

Historically, most prominent international agreements on cyber issues have focused on combating cyber crime and on crafting national laws that police activity conduct on the Internet.

2010 saw momentum in the treatment of cyber crime as an international security issue.



VERISIGN™

Government and Business cyber-security solutions

Hot trend: Managed DNS

- **Cloud-based DNS** hosting service
- Deliver **100% DNS resolution**
- Improved security of DNS zones
- Heightened response integrity
- Faster DNS response time
- Simplified DNS management
- Access to experts in managing and maintaining DNS infrastructure



Hot trend: DDoS protection

Verisign's industry-leading expertise in building and protecting infrastructures and maintaining these with 100% availability for 12+ years

Best-of-breed tools for **DDoS monitoring and mitigation**

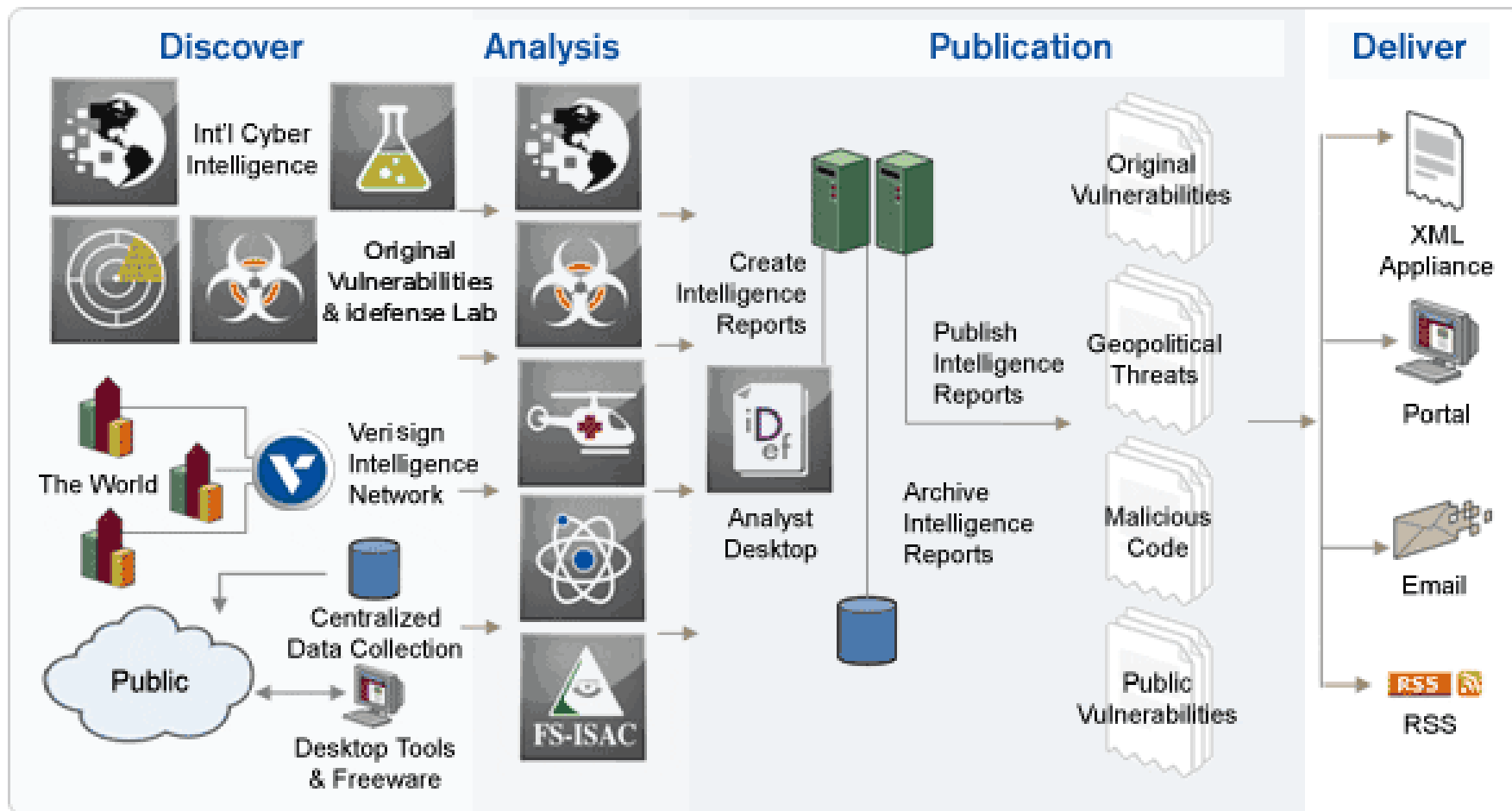
Proprietary technology and expertise to provide the most comprehensive service

Scaled to deal with even the largest of known DDoS attacks



The Verisign iDefense Intelligence Process

VeriSign iDefense executes a disciplined process to get intelligence data to users



Thank You