

A Collaborative Approach to Protecting the Nation Against Faceless Enemies

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Evidence Room



Cybersecurity – A *CEO/Boardroom* Level Issue

\$3trillion

Estimated market value destroyed from cybercrime industry²

556m

Victims of cyber crime per year³

140⁺days

Median # of days between infiltration and detection⁴

71%

Of companies admit they fell victim to a successful cyber attack the prior year¹

458%

Increase in attempted company hacks in 2014⁵



Cyber Incidents -Notified last 6 months...

Banks

- **DDOS – Net banking availability.**
- **Ransomware – key executives Office files encrypted.**
- **Domain admin-lock malware.**

BlueChip

- Business email frauds – remittance out and remittance in.
- Ransomware – via emails as you open resume.
- I may have malware, how do I check, tell who ?

Energy Companies

- Ransomware- locks the server data.
- Service disruption malware for email and domain systems.

Nation State Attacks

Cybercrime becoming *Targeted & Sophisticated*

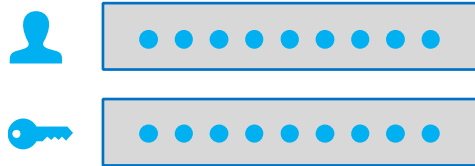
Indiscriminate	→	Targeted
Consumer	→	Enterprise Target
Single Vector	→	Multi-vector
Manual	→	Automated
Desktop	→	Device and Cloud
Visible	→	Concealed
Lone Agent	→	Organised Ecosystem
Spam	→	Information Theft
Information Theft	→	Information Destruction

Common cyber-attacks and exploits

Tools and Techniques

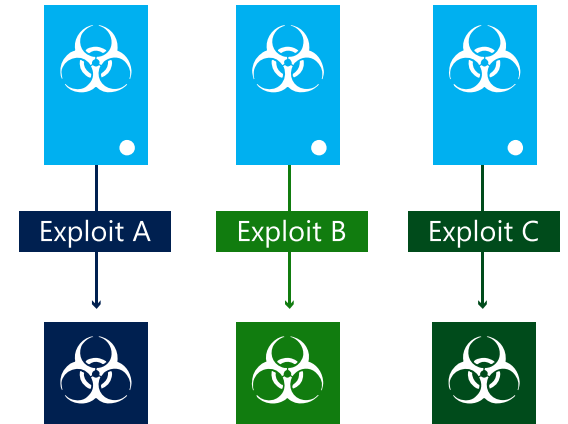


Distributed Denial of Service (DDoS)



Credential Compromise

(Password reuse, spear phishing, default credentials, etc.)



Malware Exploits

Cyber Fraud and Tech Support scams

How the scam works

Fraudsters pose as after sales, Insurance agents or technical support from reputable company

Scams reach customers either by the cybercriminals calling victims, or by search engine ads directing customers to the fraudsters' websites

Victims give access to their PCs, pay for the fake service, and are harmed by the cybercriminals' malware and identity theft

Millions of victims globally every year, suffering losses over Billions



Kolkata BPO cheating US citizens busted

Rohit Khanna | TNN | Jun 30, 2017, 09:36 PM IST



Fake call centre racketeers dupe over 300 jobseekers

TNN | Jun 28, 2017, 10:14 AM IST

Financial fraud: Punjab cops' brush with Darknet, Bitcoins

The Punjab Police are investigating their first case of financial fraud committed using the unregulated virtual currency Bitcoin to pay for information on the Darknet.

PUNJAB

Updated: Jul 20, 2016 10:11 IST



Chitleen K Sethi
Hindustan Times

Fake call centre directors arrested

Shafaque Alam | TNN | Updated: Jun 16, 2017



offering lotteries and investments in the stock market.

The accused persons were identified as Ikram Khan and [Mohammad Amir](#), residents



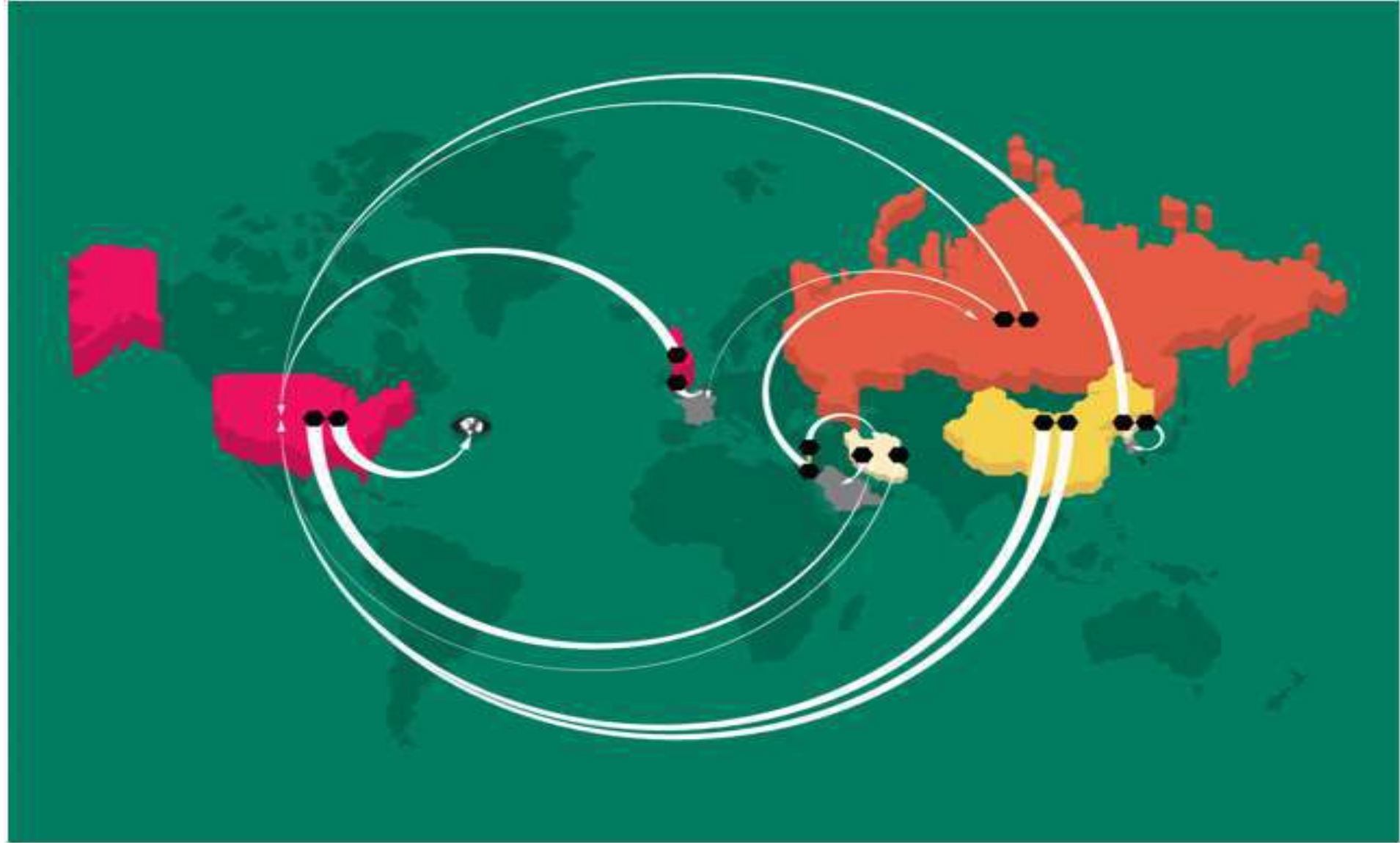
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Are we witnessing a Cyber War?



XII Five-year plan on information technology sector Report of Sub-Group on Cyber Security





While Cybercrime will continue to evolve, Microsoft will continue to,

- Invest in the latest tools and technologies
- Increase our knowledge of the criminal infrastructure
- Undertake pro-active disruption
- Build strong and secure products and cloud services
- Forge strong public-private partnerships on cyber threat intelligence

THANK YOU

A wide-angle photograph of a modern office interior. The foreground features a lounge area with several light-colored sofas and ottomans arranged on a dark, polished floor. In the background, a large glass-walled conference room is visible, containing a long table, chairs, and a whiteboard. The ceiling is a complex, dark structure with recessed lighting. Large windows on the right side offer a view of greenery outside.

www.microsoft.com/trustcenter

www.microsoft.com/security

www.youtube.com/DCUMicrosoft