Collaboration tools for combating Cybercrime

ESCAPE

Anuj Singh
IMPACT
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Do we really need to be bothered about it?
1 MILLION+ VICTIMS A DAY
EVERY DAY THERE ARE TWICE AS MANY CYBERCRIME VICTIMS AS NEW BORN BABIES

50,000 VICTIMS EVERY HOUR
820 VICTIMS EVERY MINUTE
14 VICTIMS EVERY SECOND

$388 BILLION
THE TOTAL BILL FOR CYBERCRIME FOOTTED BY ONLINE ADULTS IN 24 COUNTRIES TOPPED USD $388BN OVER THE PAST YEAR

$114bn
THE DIRECT CASH COSTS OF CYBERCRIME - MONEY STOLEN BY CYBERTHUGS/SPENT ON RESOLVING CYBERATTACKS - TOTALLED $114BN

$274bn
VICTIMS VALUED THE TIME THEY LOST TO CYBERCRIME AT OVER

Biggest ever cybercrime survey

24 COUNTRIES
19,636 INTERVIEWS
> 12,704 ADULTS
4,553 CHILDREN
2,379 TEACHERS

WE HAVE PROBLEMS

Cross Border Crime
Lack of Knowledge
Lack of Resources
No Direction
No legal framework
Management Challenges
New Problems
Capital intensive solutions
Need proactive solutions
Delays in Response

No emergency telephone numbers
Organisations working in silos
Lack of international collaboration
Need better early warning system

The suspect is in another country. What do I do?
I wish somebody had foreseen that this was coming

I wonder if it is possible to have more Intel on this situation

How can I notify about this threat to others?

I need more data for my research! I wonder if somebody else is working on the same thing
Current Scenario

Need for collaboration

“I believe in the power of collaboration. Working together we can achieve so much and that’s one of the things that I’ve been advocating.”
- Dr Hamadoun Touré
Secretary General
ITU

"Law enforcement efforts and cyber security policies need to be rooted in international collaboration,“
– Craig Mundie
Chief Research and Strategy Officer
Microsoft

“Security experts from both the public and private sectors agree that with the advantages of the Internet come a number of threats which require international collaboration to deal with”
- Dr Ekow Spio-Garbrah
Chief Executive Officer
Commonwealth Telecommunications Organisation

“The effort to build trust in the cyberspace realm is one which should be pushed in capitals around the world,”
- Gary Locke
Commerce Secretary
White House
Current Scenario

Possible Solution

- Involvement of key players from
  - Regulatory Bodies
  - Law Enforcement
  - Industry Partners
  - International Organizations
  - Researchers
  - Educational Institutes
  - Representatives from Government Worldwide

- Trusted platform that enables
  - Communication between different key players.
  - Opportunities to collaborate from across the world.
  - Information Share
  - Enabling instant access to solutions
  - Sharing and Learning

- Willingness to share

- Knowledgebase to learn from past experiences

- Access to experts across the globe.
ESCAPE - Empowered individuals

Electronically Secured Application Platform for Experts

ITU-IMPACT - ESCAPE aims to bring together Governments, international organisations, researchers and international partners on a collaborative platform that aims to address problems faced by nations, international organisations and the industry on cybercrime.
A PLATFORM WHICH IS COMMUNITY DRIVEN
Thought Process Behind ITU-IMPACT ESCAPE

**AUTHENTICITY**
Ensuring all the users in the system are authenticated.
Ensuring all the data’s generated are well documented.
Providing the users of the platform a trust component.
GuardTime, Timestamps, Checksums, Dual Factor Authentication, Cryptography

**ADDRESSABILITY**
A platform for users to address their problems.
Providing the users an interface to identify a contact that can address their problem.
Ensuring that all the users get fast access to resources and share information in a secure manner.
GRC Experts, Raise a Question, Discussion Boards, Specialized views, Country Pages, User Profiles, Search

**ORACY**
Providing the users with a platform to express.
Share information with specific people.
Be heard and receive comments and suggestions on ideas, concepts, and information.
Blogs, Wall Post, Messaging, Groups, Chat

**RESPONSIBILITY**
Users are accountable and responsible for their usage.
All the experts in the platform share the responsibility of responding and sharing knowledge.
Users will often find themselves pulled into discussions, questions and request for support.
IP Logs, Account Bans, Issue Warnings, Report Abuse, Add as Friend, Invitations, Register new user

**CREATIVITY**
Escape is a platform.
Experts decide what they want to discuss, how to discuss.
It is a platform the usability of which, depends on the creativity of the experts.
Tools, Knowledge Base, Reports, News, Events, Documents, Analyst Diary, etc..
ESCAPE

Capability

Provide a collaboration space to work together jointly.

Creating a social environment to interact with peers, the best of the industry, researchers and counterparts across the globe.

Provide access to latest information in cyberspace and cybercrime areas.

Providing governments with access to their own personal support expert.

A safe monitored environment for sharing information with guarantees on who is accessing the information.
ESCAPE
Feature List

Communities  GRC Analyst  Incident Reporting  Knowledge Base  Blogs

Industry News  Information Share  Crisis Management  Groups  Discussion Boards

Chat Rooms  Collaborate

And More........
Anuj Singh

Occupation: Director | Organisation: IMPACT | Country: Malaysia
Born on: 30 Nov 1999 | Speaks: English, Hindi, Arabic

About

I am the director of the Global Response Centre (GRC). I manage the design, development and operational activities of GRC. Currently I live in Malaysia.

Expertise

- Cyber Security
- Security Analyst

Basic Info

Location: Malaysia
Languages: English, Hindi, Arabic

Education and Work

Job Title: Director
Job description: As the Director of the Global Response Centre (GRC), Anuj is responsible for the design, development and operational activities. He is also responsible for working with various global industry partners for offering comprehensive threat and remediation information to partner countries.
Job function: Managing Director
Organisation: IMPACT
Organization Affiliation: ITU

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Malaysia

Malaysia is a federal constitutional elective monarchy. The system of government is closely modelled on that of the Westminster parliamentary system, a legacy of British colonial rule. The head of state is the Yang di-Pertuan Agong, commonly referred to as the King. The Yang di-Pertuan Agong is elected to a five-year term by and from among the nine hereditary rulers of the Malay states; the other four states, which have titular Governors, do not participate in the selection. By informal agreement the position is systematically rotated among the nine, and has been held by Tuanku Zainal Abidin of Terengganu since 2007. The Yang di-Pertuan Agong's role has been mostly ceremonial since changes to the constitution in 1994.

Anuj Singh


Malaysia, one of the world’s most open economies, has achieved sustained economic growth, substantial poverty reduction and progress in human development. The economy grew at an annual average of 5.3 per cent between 2000 and 2006, and the national poverty rate fell steeply from 16.5 per cent in 1990 to 5.7 per cent in 2004.

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HACKED OFF WITH CYBER CRIMES? YOUR NOT ALONE!! (Version 1)

NISSL Report: An Insight into the dangers of cyber crimes. Report by Igy National ICT Security and Emergency Response Centre (NESER) Cyber space is a virtual space that has become as important as real space for business, politics, and communities. Malaysia’s commitment in using Information and Communication Technology (ICT) as reflected by the investment in the Multimedia Super Corridor (MSC) and its flagship increases our dependency on cyber space. However, this dependency places Malaysia in an extremely precarious position because cyber space is vulnerable to borderless cyber attacks.

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the secure zone

Cybersecurity Focus Increasing as Organizations Adopt New Computing Models

Posted on 20 Sep 2011

Mobile computing, social media use, and the consumerization of IT are providing new challenges as organizations increase their cybersecurity efforts,” said Sean Doherty, vice president and chief technology officer of Enterprise Security at Symantec. “There’s no question that attackers are using more insidious, sophisticated and silent methods to steal data and wreak havoc. Organizations today have more to lose than ever before and need to start adopting the security innovations and best practices that the industry is delivering to stay protected.

Organizations More Concerned About Cybersecurity Security continues to be a huge concern for organizations. While businesses face a variety...

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How Safe Are You From Hackers?

Posted on 20 Sep 2011

You may think hackers are only focused on FBI break-ins and bank accounts, but nothing could be further from the truth. According to a Ponemon Institute report published this June, 90 percent of surveyed businesses reported at least one IT security breach in the past 12 months. Any breach compromises user data, which means your online activity is always vulnerable to attacks. In fact, many users are most at-risk when visiting their favorite sites. Here you'll find out where you're most likely to get hacked, and how you can safeguard your personal information.
ESCAPE IS BASED ON YOUR PARTICIPATION
TO REGISTER, SEND IN YOUR REQUEST TO

cybmail@itu.int
grc@impact-alliance.org
Thank you

www.facebook.com/impactalliance