

# THE COSTLY MISTAKE

## CYBERATTACKS: a problem that is not fading away

With a huge advancement in technology almost, everything is possible via the internet: sending data from one part of the world to another, creating exciting places to shop, sharing your stories, and even playing games. But with new technology comes new challenges also and just like many other good things, the internet has its dark side too.

Today, there are a plethora of cyber attacks that you may face anytime and anywhere if you are digitally connected. These attacks can come with a range of risks from Malwares to Hackers to Denial of Service.



### IS YOUR CONNECTION SECURE?

**3 OUT OF 5** ACCESS INTERNET FROM HOME



**67%** ACCESS FROM HOTELS



**85%** ACCESS FROM OFFICES



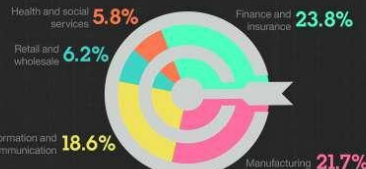
**82%** ACCESS FROM MOBILES



### HOW DO PEOPLE FALL PREY TO CYBER CRIMINALS?

- 1 Opening emails from illegitimate sources
- 2 Installing unauthorized applications.
- 3 Turning off automated security tools.
- 4 Surfing, Gambling, Porn or other dicey services.

### Over 75% of incidents targeted 5 industries



**38%**

Malicious code is the primary mode of attack...  
Software designed to disrupt systems, gain unauthorized access, or gather information about the system or user being attacked.

**20%**

...followed by sustained probes/scans...  
Reconnaissance activity usually designed to gather information about the targeted systems.

**19%**

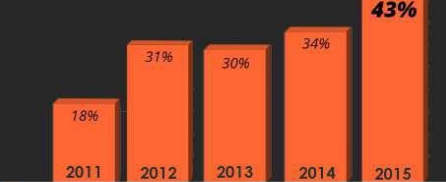
...and unauthorized access  
Usually directed suspicious activity on a system or failed attempts to access a system by a user or users who do not have access.

### \$400<sub>bn</sub> is what cybercrimes are costing the global economy every year

#### What are the target assets in any company that is vulnerable to cyber attacks (in %)



### 43% of Attackers target Small Businesses Dramatic Increase seen since 2011



**81%**

of 700 IT decision makers of SMBs plan to boost their annual IT security budget in 2016 by an average of

**22%**

**94%** of procurement managers consider cyber security standards important when given a project to a vendor.

### NOTABLE TARGETED ATTACKS IN 2016

DESTRUCTIVE MALWARE USED IN CYBER ATTACKS AGAINST POWER STATIONS IN UKRAINE	DATA STOLEN FROM DEMOCRATIC NATIONAL COMMITTEE (DNC) INTRUSION RELEASED ONLINE	SYMANTEC UNCOVERS STRIKE CYBER ESPIONAGE GROUP	DATA STOLEN FROM WORLD ANTI-DOPING AGENCY (WADA) INTRUSION RELEASED

#### Resources:

- 1) IBM's Article on CyberSecurity
- 2) ARE YOU CYBERSAFE, article by UMCA College.
- 3) <http://www.whitehats.com/publications/insight/cyber-risk-why-cyber-security-is-important>
- 4) CyberSecurity: The gap between the C-suite and the security team, 2015.
- 5) Symantec
- 6) [http://www.nytimes.com/interactive/2015/02/05/technology/recent-cyberattacks.html?\\_r=0](http://www.nytimes.com/interactive/2015/02/05/technology/recent-cyberattacks.html?_r=0)

