



PREVENTION MEASURES FOR CYBER CRIMES

Lesson # 12

LECTURE OVER VIEW

- ▶ Cyber Crime Cases
- ▶ Protection of Credit Cards and Bank Accounts
- ▶ Secure IT Infrastructure
- ▶ Password Policy
- ▶ Awareness for Staff and Organizations

CYBER CRIME CASES

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► Thursday, 13-Sept-2012

2 Cyber Criminals arrested in Bahawalpur

► Cyber Crimes against Pakistani women

► January 02, 2016

FIA cyber crime lodges first case of 2016

DANGERS AHEAD

WebSense 2014 security predictions

- Advanced malware volume will decrease
- A major data-destruction attack will take place
- Attackers will be more interested in cloud data than your network
- Perkins, Neutrino and other exploit kits will rise for power following the arrest of Blackhole's creator
- Java will remain highly exploitable and exploited—with greater repercussions
- Cybercriminals will devote more time to finding new uses for trick-and-treat attacks and phishing
- other aspects of advanced, multi-stage attacks
- Attackers will lure executives and compromise organizations via professional social networks
- As social networking continues to appeal to the business community in 2014, attackers will use professional websites to research and lure executives
- Cybercriminals will target the weakest links in the information chain



PROTECTION OF CREDIT CARDS AND BANK ACCOUNTS

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- Credit Card Safety First
- Keep Your Account Number Private
- Be Careful With Your Receipts
- Be Sure Your Device And Networks Are Secure
- Think Credit Card Protection When Shop Online
- Keep Your Password Secret
- Check Your Account Often
- Report Loss Card And Suspected Fraud Right Away



SECURE IT INFRASTRUCTURE

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➤ **Logical Network Security Segmentation**

- Network Security Zones
- Restricted Zone
- Management Zone

➤ **Security Event Logging**

➤ **Network Intrusion Detection and Prevention Systems**

➤ **Packet Capture**

PASSWORD POLICY

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This policy is designed to protect the organizational resources on the network by requiring strong passwords along with protection of these passwords, and establishing a minimum time between changes to passwords.

- Password Protection
- Password Requirements
- Choosing Passwords

AWARENESS FOR STAFF AND ORGANIZATION



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Awareness learning needs to enter the 21st Century

- 49% Intentional attack by external hackers, criminals, terrorists or activists.
- 45% unintentional Error by Employees or Contractors.
- 40% Intentional Attacks by Employees or Contractors.
- 17% Third party suppliers or joint venture partners as a route exploited by cyber criminals.

THANK YOU