



# Basics of Computer Security

Presented by  
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# What have I got worth stealing?



Bruce Wayne: I'm not afraid of you.

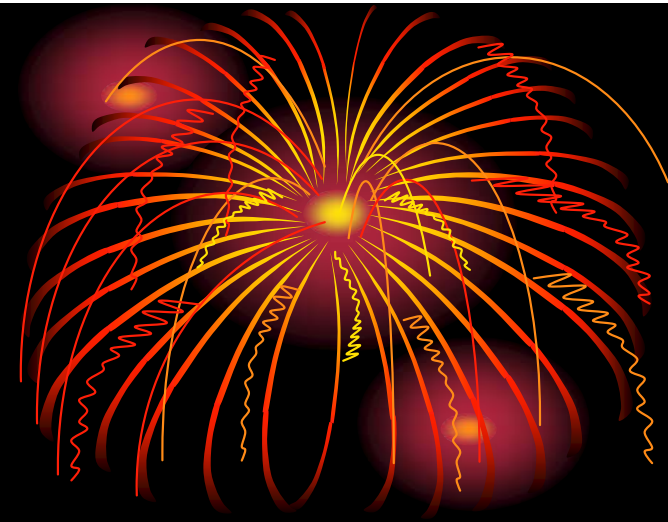
Carmine Falcone: Because you think you've got nothing to lose. But you haven't thought it through... People from your world... have so much to lose... so don't come down here with your anger, trying to prove something to yourself. This is a world you'll never understand. And you always fear what you don't understand.

Paraphrased from:

Memorable quotes – Batman Begins (WB 2005)

<http://www.imdb.com/title/tt0372784/quotes>

# Common Targets



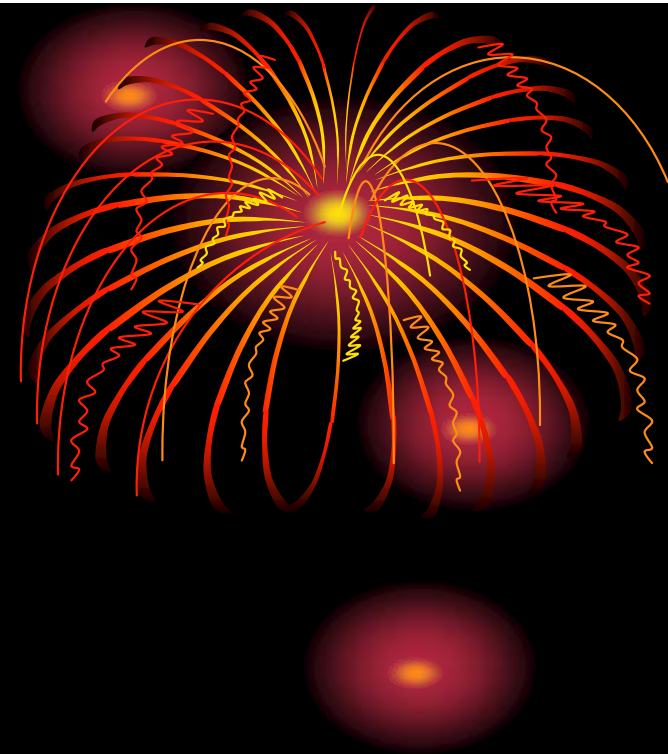
- Cash / Liquid assets
- Banking / Credit card information
- Online accounts (Amazon, eBay, PayPal etc.)
- FIM files (Quicken, MS Money, etc.)
- Personal information & habits
- Processing power & Internet connection
- Human Targets

# Attack Methods

- Viruses, Worms, Spyware
- Visiting malicious websites
- Direct attacks

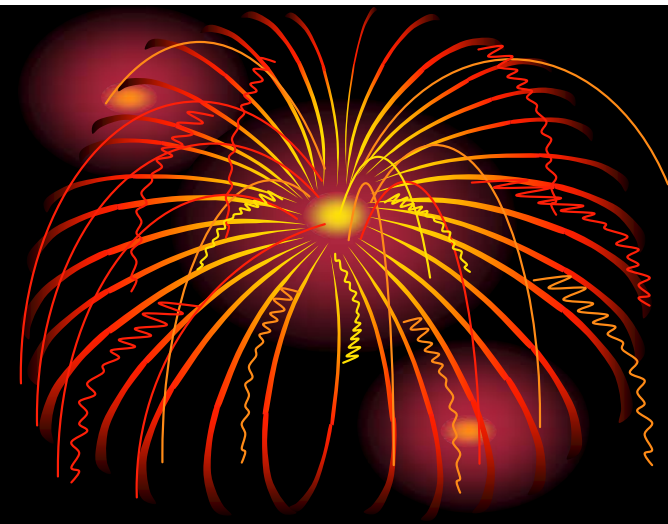


# Attack Methods 2



- E-mail / Phishing
- Malicious software
- Internet ads & pop-ups
- Open Wireless Access Points
- Known vulnerabilities
- Unsecured / misconfigured machines

# Attack Methods 3



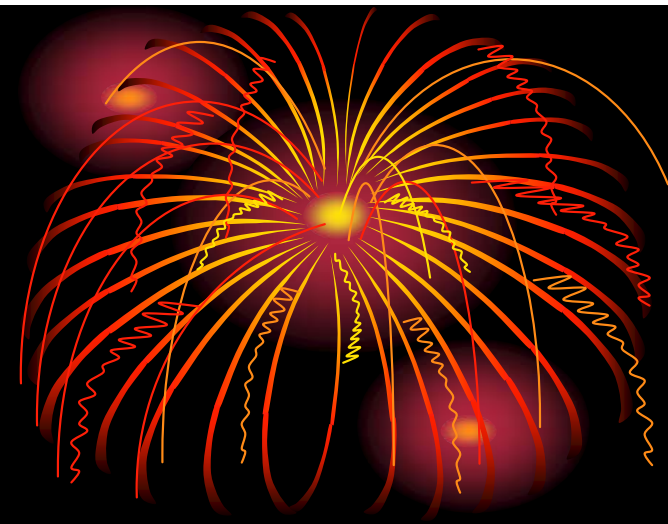
- Social Engineering
  - Urgent messages
  - Carrot dangling (Nigerian Bank scams)
  - Free or Discount offers
    - Mortgage applications
    - Discount prescription drug offers
  - Grooming (online predators)

# Threat Remediation



- Firewall (Hardware or software?)
- Anti-virus/anti-spyware software
- Anti-spam software
- Regular software updates
- User awareness
  - Microsoft Internet Explorer download
  - Guaranty Bond Bank
  - Guard personal information

# Useful Links



- Microsoft Baseline Security Analyzer  
<http://www.microsoft.com/mbsa>
- Free anti-virus / anti-spyware software  
AVG Anti-Virus / Anti-Spyware: <http://free.grisoft.com>  
Lavasoft Ad-aware: [http://www.lavasoft.com/products/ad-aware\\_se\\_personal.php](http://www.lavasoft.com/products/ad-aware_se_personal.php)  
Spybot Search & Destroy: <http://www.safer-networking.org/en/download/index.html>
- Cost or subscription-based software worth a look:  
Symantec:  
[http://www.symantec.com/home\\_homeoffice/products/index.jsp](http://www.symantec.com/home_homeoffice/products/index.jsp)  
Network Associates: <http://www.mcafee.com/us/>

# More Useful Links



- Online security
  - <http://www.microsoft.com/athome/security/default.mspx>
  - <http://security.yahoo.com/>
- Keeping your kids safe online
  - <http://www.safekids.com>
  - <http://www.safeteens.com>
  - <http://www.perverted-justice.com>
  - <http://www.fbi.gov/publications/pguide/pguidee.htm>
- Internet Fraud schemes
  - <http://www.fbi.gov/majcases/fraud/internetschemes.htm>
  - <http://www.lookstoogoodtobetrue.com>