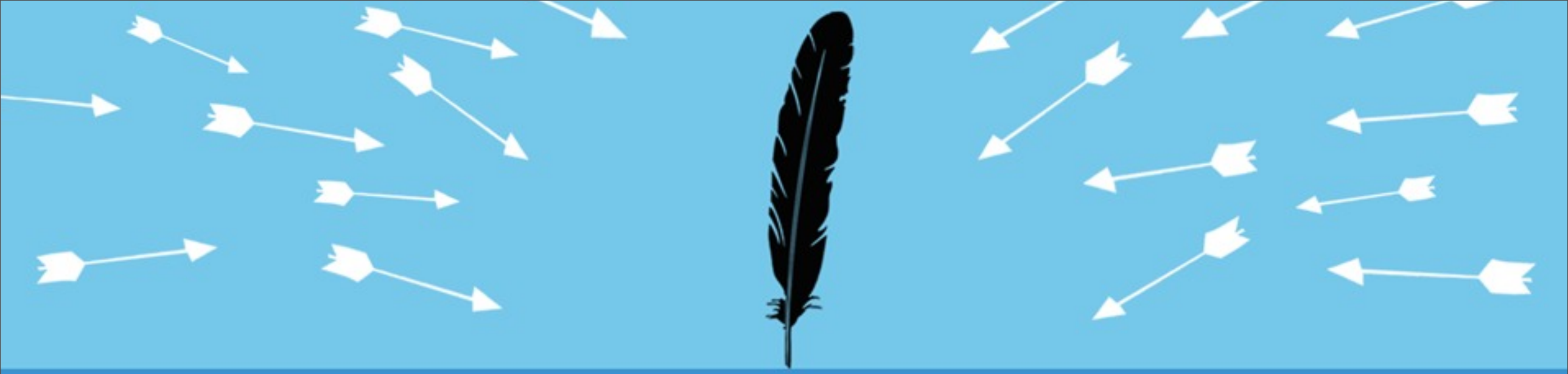
77BBB2E8 6A 00 PUSH 0
77BBB2EA FF70 0C PUSH DWORD PTR DS:[EAX+C]
77BBB2ED FFD6 CALL ESI
77BBB2EF A1 BC49BF77 MOV EAX,DWORD PTR DS:[77BF49BC]
77BBB2F4 FF70 10 PUSH DWORD PTR DS:[EAX+10]
77BBB2F7 6A 00 PUSH 0
77BBB2F9 FF35 D849BF77 PUSH DWORD PTR DS:[77BF49D8]
77BBB2FF FF15 4810BA77 CALL DWORD PTR DS:[<&KERNEL32.Heap
77BBB305 A1 C049BF77 MOV EAX,DWORD PTR DS:[77BF49C0]
77BBB30A 8B15 C449BF77 MOV EDX,DWORD PTR DS:[77BF49C4]
77BBB310 8D0480 LEA EAX,DWORD PTR DS:[EAX+EAX*4]
77BBB313 C1E0 02 SHL EAX,2
77BBB316 8BC8 MOV ECX,EAX
77BBB318 A1 BC49BF77 MOV EAX,DWORD PTR DS:[77BF49BC]
77BBB31D 2BC8 SUB ECX,EAX
77BBB31F 8D4C11 EC LEA ECX,DWORD PTR DS:[ECX+EDX-14]
77BBB323 51 PUSH ECX
77BBB324 8D48 14 LEA ECX,DWORD PTR DS:[EAX+14]
77BBB327 51 PUSH ECX
77BBB328 50 PUSH EAX
77BBB329 E8 12CE0100 CALL msvcrt.memmove
77BBB32E 8B45 08 MOV EAX,DWORD PTR SS:[EBP+8]
77BBB331 83C4 0C ADD ESP,0C
77BBB334 FF0D C049BF77 DEC DWORD PTR DS:[77BF49C0]
77BBB33A 3B05 BC49BF77 CMP EAX,DWORD PTR DS:[77BF49BC]
77BBB340 76 04 JBE SHORT msvcrt.77BBB346
77BBB342 836D 08 14 SUB DWORD PTR SS:[EBP+8],14
77BBB346 A1 C449BF77 MOV EAX,DWORD PTR DS:[77BF49C4]
77BBB34B A3 CC49BF77 MOV DWORD PTR DS:[77BF49CC],E
MOV EAX,DWORD PTR SS:[EBP+8]
MOV DWORD PTR DS:[77BF49BC],E
MOV DWORD PTR DS:[77BF49D4],E



Human Hacking Exposed
6 Preventative Tips That Can Save Your Company

Christopher Hadnagy
Social-Engineer.Com

Session ID: HOT-204

Session Classification: Intermediate

RSA CONFERENCE 2012

Human Hacking Exposed

Who Am I?

Chris Hadnagy... aka loganWHD

Professional Social Engineer

Best-Selling Author, Podcaster, Framework Writer, Human Hacker

Go To www.social-engineer.com

Human Hacking Exposed

What is Social Engineering?

...the act of influencing a person to take an action goals that may or may not be in the “target's” best interest. This may include obtaining information, gaining access, or getting the target to take certain action.

Go To www.social-engineer.com

Human Hacking Exposed

Why Care About This Session?

LOCKHEED MARTIN
We never forget who we're working for™

epsilon

HBGary

citibank

SONY

PBS

Go To www.social-engineer.com

Human Hacking Exposed

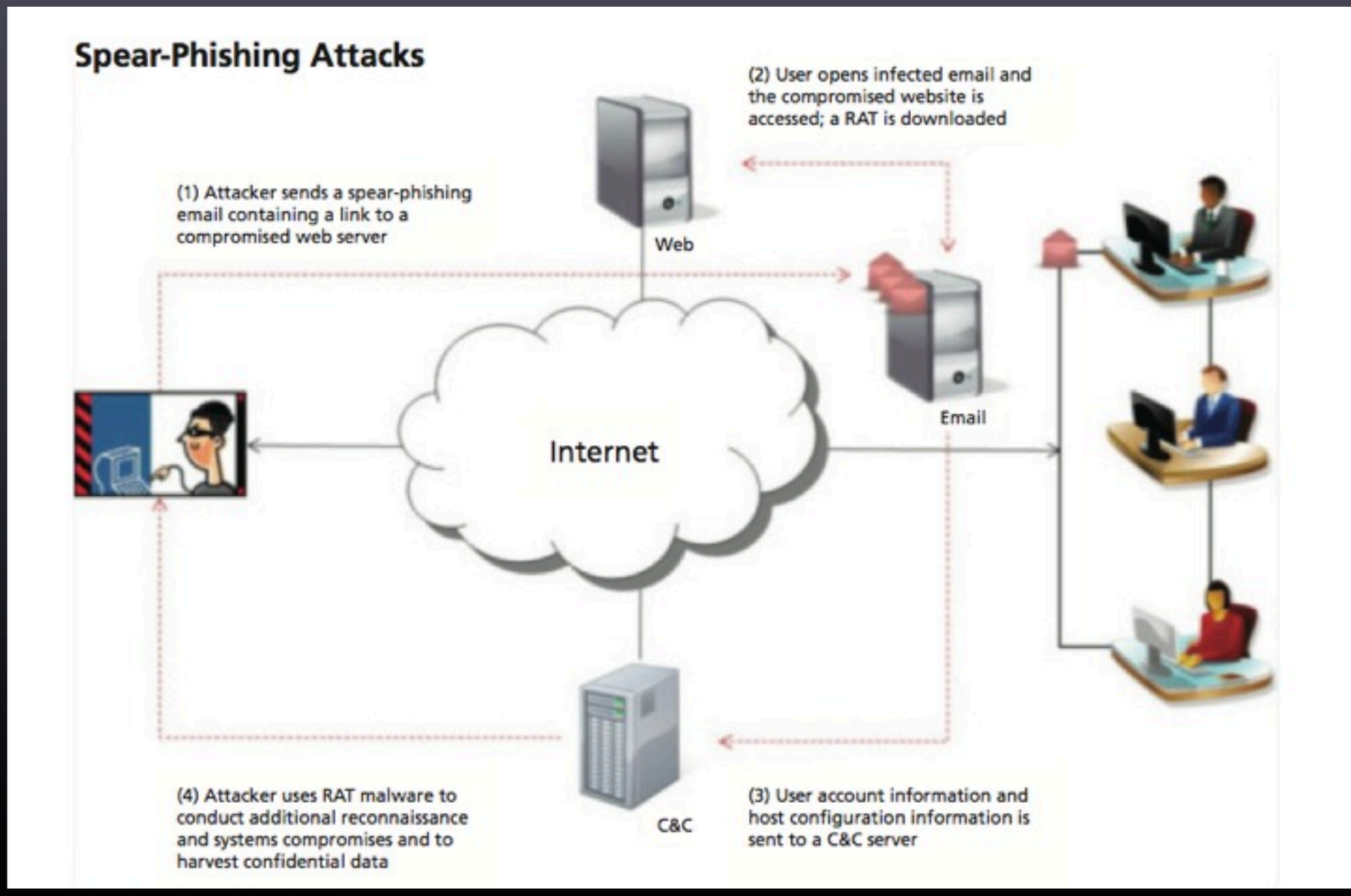
Why Care About This Session?

> In my mind social engineering is the biggest issue today.... But what good is that if you can get someone to give you their password or turn off the firewall because you say you are Greg from computer maintenance just doing testing? SparkyBlaze, Anonymous

Go To www.social-engineer.com

Human Hacking Exposed

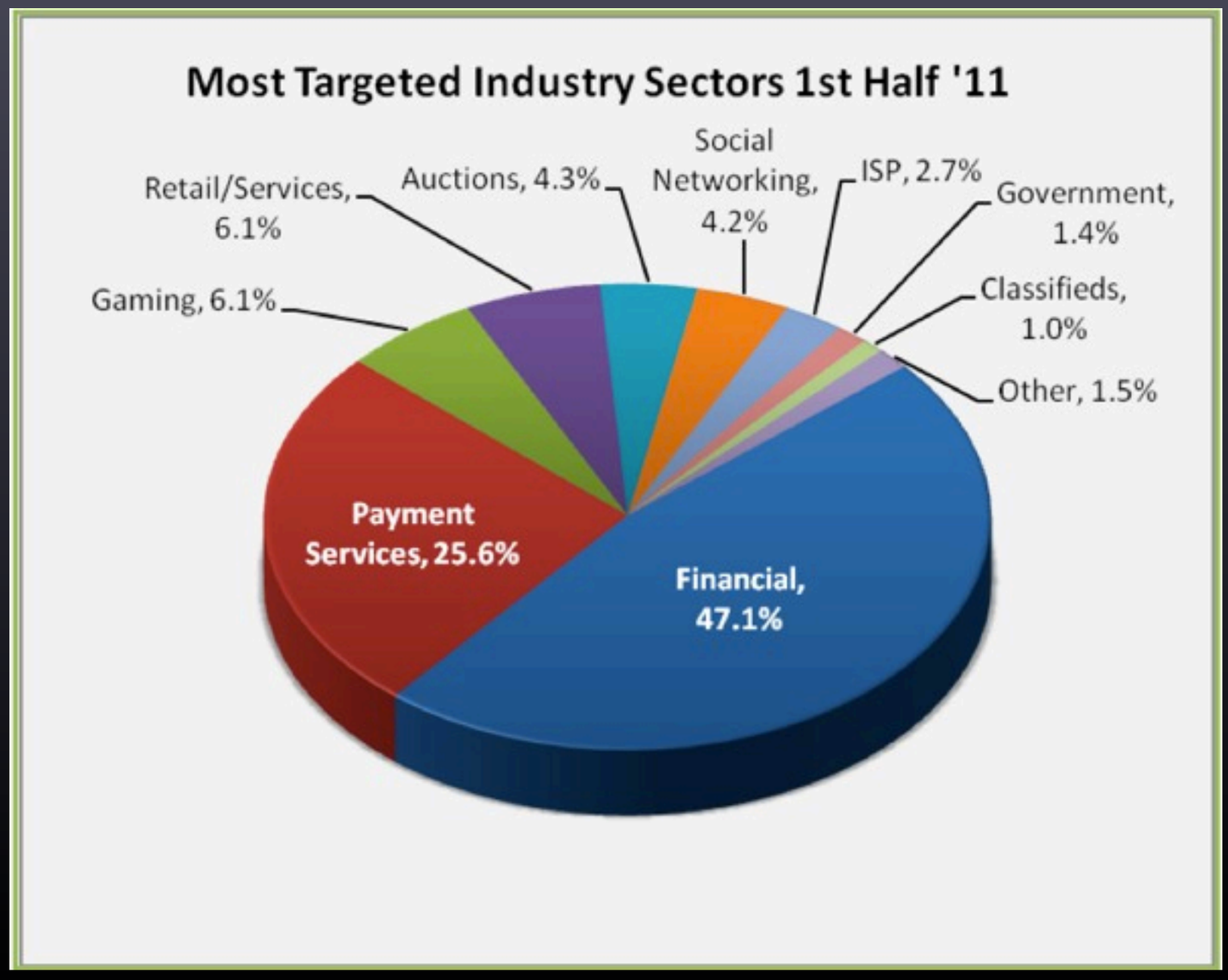
Operation 'Night Dragon'



Go To www.social-engineer.com

Human Hacking Exposed

Why Should You Care?



* credits to apwg.org

Go To www.social-engineer.com

Human Hacking Exposed

Why Should You Care?

"I am convinced that every company in every conceivable industry with significant size and valuable intellectual property and trade secrets has been compromised (or will be shortly), with the great majority of the victims rarely discovering the intrusion or its impact." - Dmitri Alperovitch, McAfee's former vice-president of threat research

Go To www.social-engineer.com

Human Hacking Exposed

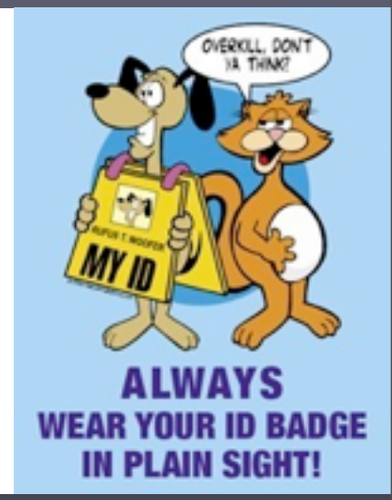
Prevention Tip # 1

Learn to Identify Social Engineering Attacks

- Information Gathering
- Be Aware of the types of attacks used

Human Hacking Exposed

Prevention Tip # 2



Security Awareness should not be a boring, forced event, but interactive, fun and *personal*

- Canned, impersonal sessions have little impact
- Base training off specific weaknesses

Human Hacking Exposed

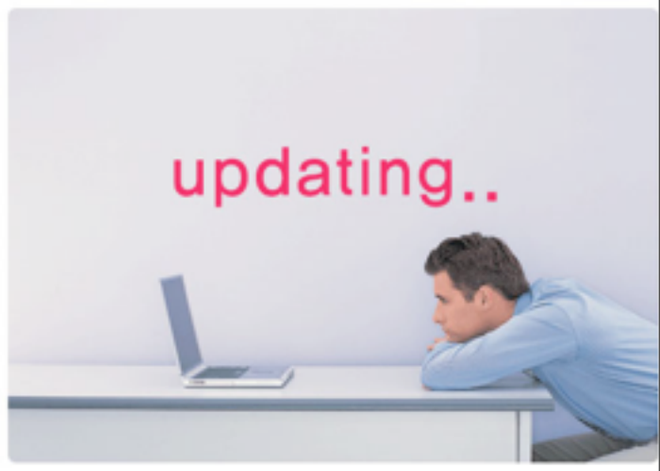
Prevention Tip # 3

Employees Need To Understand the Value of the Information they possess

- Even small pieces of info can lead to a breach
- Critical Thinking Is Key

Human Hacking Exposed

Prevention Tip # 4



Security & Software Updates: Essential To Security Despite the Difficulties

- Old, outdated browsers can lead to a breach
- Vulnerable software can give an attacker an "in"

Human Hacking Exposed

Prevention Tip # 5

Develop Scripts

- If you know the enemy and know yourself you need not fear the results of a hundred battles. - Sun Tzu
- Critical Thinking Is Key
- Threats can come from inside or outside

Human Hacking Exposed

Prevention Tip # 6

Have and Learn from Audits

- More than compliancy is needed
- The thicker the report doesn't mean it was a better job

Human Hacking Exposed

Put It All Together

Decisive Clear Action Plan Toward Implementation

- Although surgery may be needed, prevention is best
- Work Backwards To Success

Human Hacking Exposed:

6 Preventative Tips That Can Save Your Company

Question and Answer Time....

SE Pentesting: www.social-engineer.com

Human Hacking Exposed

Contact Me

www.Social-Engineer.com

chris@social-engineer.com