CLARITY CONSULTING CORPORATION

Improving Business Profitability and Efficiency®

Security Presentations

Real World Hack Attacks: Actual Case Studies from the Trenches

(Alternative title: Advanced Attack Strategies and Countermeasures) - This presentation is a journey into the tactics and mentality of the world's worst cyber pest, the professional hacker. Through a detailed examination of real world case histories, learn how small failures of process, people, procedure, software, tools, training and techniques over time ultimately resulted in massive multi-million dollar losses to esteemed corporations. Experience the frustration of law enforcement at the difficulty of tracking down the perpetrators and bringing them to timely justice. Understand firsthand the difficulty of detecting, stopping or preventing targeted professional hacker attacks.

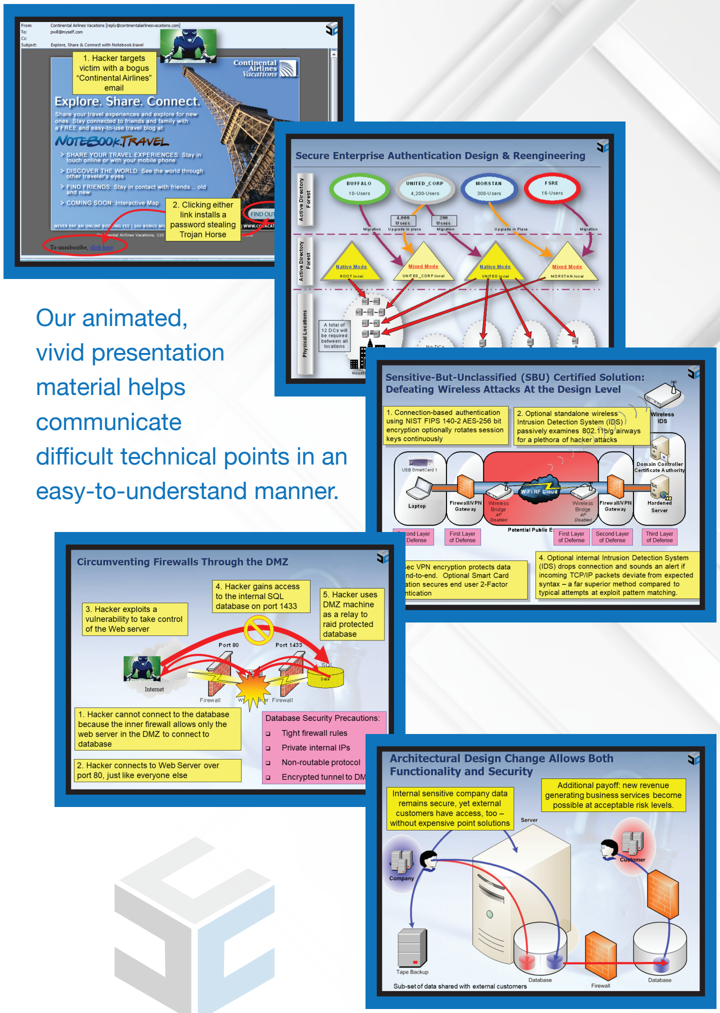
More importantly, learn the advanced tactics, skills, and mentality needed to successfully combat information security threats. This is an interesting and entertaining presentation designed to raise executive level and IT department cyber security awareness.

Duration: 2 hours including Q&A; shorter 1 hour and longer half-day or full day seminar versions are also available.

The Evolving Threat Landscape

This presentation is a cyber intelligence forecast of upcoming hacker activity. Learn about emerging new threats appearing on the horizon today that will become the great hacker attacks of tomorrow. This presentation focuses on new cyber security threats and enhancements to old attacks that are not yet being widely discussed anywhere else. Note: this presentation is intended primarily for law enforcement and professional cyber crime investigation audiences.

Duration: 1 hour including Q&A; 2 hour version also available.



From: Continental Airlines Vacations [reply@continentalairlinesvacations.com]
To: pwill@myself.com
Cc:
Subject: Explore, Share & Connect with Notebook.travel

1. Hacker targets victim with a bogus "Continental Airlines" email

Explore. Share. Connect.

Share your travel experiences and explore for new ones. Stay connected to friends and family with a FREE and easy-to-use travel blog at NOTEBOOK.TRAVEL

- SHARE YOUR TRAVEL EXPERIENCES: Stay in touch online or with your mobile phone
- DISCOVER THE WORLD: See the world through other traveler's eyes
- FIND FRIENDS: Stay in contact with friends... old and new
- COMING SOON: Interactive Map

2. Clicking either link installs a password stealing Trojan Horse

To unsubscribe, click here

Continental Airlines Vacations
FIND OUT
NEVER PAY AN ONLINE BOOKING FEE | 500 BONUS MIL
WWW.CO.VACAT

Secure Enterprise Authentication Design & Reengineering

A total of 12 DCs will be required between all locations

Sensitive-But-Unclassified (SBU) Certified Solution: Defeating Wireless Attacks At the Design Level

1. Connection-based authentication using NIST FIPS 140-2 AES-256 bit encryption optionally rotates session keys continuously

2. Optional standalone wireless Intrusion Detection System (IDS) passively examines 802.11b/g airways for a plethora of hacker attacks

…ec VPN encryption protects data …nd-to-end. Optional Smart Card …ation secures end user 2-Factor …ntication

4. Optional internal Intrusion Detection System (IDS) drops connection and sounds an alert if incoming TCP/IP packets deviate from expected syntax – a far superior method compared to typical attempts at exploit pattern matching.

Circumventing Firewalls Through the DMZ

3. Hacker exploits a vulnerability to take control of the Web server

4. Hacker gains access to the internal SQL database on port 1433

5. Hacker uses DMZ machine as a relay to raid protected database

1. Hacker cannot connect to the database because the inner firewall allows only the web server in the DMZ to connect to database

2. Hacker connects to Web Server over port 80, just like everyone else

Database Security Precautions:

- ❑ Tight firewall rules
- ❑ Private internal IPs
- ❑ Non-routable protocol
- ❑ Encrypted tunnel to DM

Architectural Design Change Allows Both Functionality and Security

Internal sensitive company data remains secure, yet external customers have access, too – without expensive point solutions

Additional payoff: new revenue generating business services become possible at acceptable risk levels.

Our animated, vivid presentation material helps communicate difficult technical points in an easy-to-understand manner.

Foundations of Information Systems Insecurity

This eye-opening interactive half-day security seminar delves deep into the heart of design-level security. Understand the root causes behind operating system insecurities and hacker breaches. Explore cost-effective solutions to a wide array of common cyber security headaches. The emphasis of this presentation is on common-sense solutions already inherent within operating systems and common security products, not the purchase of additional expensive security products.

Duration: 4 hours including two breaks and Q&A; shorter 2 hour version available.

For more information or to schedule an event contact:
Paul Williams • 281-719-9345 • PaulW@TheClarityCorp.com

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Pitfalls of Best Practices IT Auditing

This eye-opening presentation examines Best Practices IT Auditing in the light of the many targeted malware and other major hacker attacks over the years that have afflicted numerous Fortune 500 companies. Short comings of Best Practices IT Auditing are examined in detail relative to actual hacker attack case studies. Discover new ways of obtaining better results while reducing overall risk exposure by adding an additional evaluation dimension to IT Audits and Vulnerability Assessments.

Duration: 1 hour including Q&A.

Cyber Attack Disaster Recovery Strategies

This presentation examines the havoc professional hackers inflict on corporate networks despite standard cyber defenses such as firewalls, Intrusion Detection Systems (IDS), anti-virus software, and the conscientious application of security patches. The presentation outlines common sense on ways to detect, prevent and mitigate hacker intrusion attempts, and provides practical business disaster recovery steps in the event an unexpected cyber intrusion event actually occurs.

Duration: 2 hours including Q&A.

Physical and Cyber Intrusions of Facilities & Networks

This topic uses real world case history examples to illustrate the importance of improving cooperation and coordination between IT and Physical Security personnel.

Duration: 1 hour including Q&A.

Securing Critical Databases and Applications

This presentation examines the ease with which professional hackers can and do make a mockery of standard cyber defenses such as firewalls, anti-virus software, Intrusion Detection Systems (IDS), and the conscientious application of security patches. The presentation provides cost effective recommendations to mitigate the bulk of the methods hackers use to bypass standard security defenses.

Duration: 2 hours including Q&A.

Seven Steps to Enterprise Network Security

This presentation examines seven common holes in enterprise network security that hackers use to exploit corporate networks. Learn cost-effective ways to close these holes without necessarily resorting to expensive security software and hardware purchases.

Duration: 2 hours including Q&A.

Global Cybersecurity Threats Facing America

This presentation is a masterful high-level overview of the thorny cyber challenges facing our nation. Covered topics include a discussion of America's biggest cyber vulnerabilities, the cyberwar capabilities of our nation's most powerful cyber adversarial nation-states, and a realistic look at what would likely happen to America if an all-out cyberwar erupted with each of these adversary nations individually. Also covered is what needs to be done at the federal and private sector levels to most cost effectively reduce our national risk from hostile nation-state actors.

Duration: 60 minutes including Q&A.

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Other Security-Related Topics (presentation content and length adjustable)

- Viruses, Worms and Trojans: Who's Attacking Your Computer and Why
- Cyber Crime Forensics through Psychological Analysis *[law enforcement only]*
- Importance of Coordinating IT Security with Physical Security
- The Real World Experiences of a Hacker
- Understanding Design Level Security
- Layered Security
- Defense in Depth
- Practical Security Explained
- Professional Cyber Attack Strategies
- Outsourced Security-Avoid the Common Pitfalls
- Evolution of Virus Defense – How the Game Has Changed
- White Hat Hacker Perspective
- Security Risk Management
- Detecting and Defeating Information Security Threats
- SCADA/DCS Security
- Active Directory Enterprise Network Design & Migration Explained
- Wireless Security Vulnerabilities
- Practical Security Policies
- Cyber Terrorism

Paul Williams

Paul Williams is regarded as one of the foremost experts on secure network design in the U.S. today. Mr. Williams has forty-four years of breakthrough innovation and invention in cyber security, artificial intelligence, high speed databases, professional software development, software quality test engineering, electronics, communications, mechanical engineering, weapons development and defense related technologies.

Mr. Williams has consulted for numerous Fortune 500 businesses and is a regular lecturer and sought after speaker. Mr. Williams is an active public speaker who attracts large audiences and has often drawn coverage from radio, television and print media. He conducts scores of high profile cyber-security speaking engagements every year. Mr. Williams regularly speaks at seminars and conferences conducted by prestigious national organizations like the United States Secret Service, U.S. Department of Justice, InfraGard, ACP, ASIS, IIA, ISACA, ISSA, as well as at universities and colleges across the nation.

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