INFORMATION SECURITY

...is good Business

Survival Tools & Techniques

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NIST
National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

Information Security - Survival Tools and Techniques

NIST

NIST is a non-regulatory federal agency within the U.S. Department of Commerce. NIST's primary mission is to promote economic growth by working with industry to develop and apply technology, measurements, and standards.

NIST carries out its mission through a portfolio of four programs:

Measurement and Standards Laboratories provides technical leadership for the Nation's measurement and standards infrastructure, and assures the availability of essential reference data and measurement capabilities

Advanced Technology Program stimulates U.S. economic growth by developing high risk and enabling technologies through industry-driven cost-shared partnerships

Manufacturing Extension Partnership strengthens the global competitiveness of smaller U.S.-based manufacturing firms by assisting in the adoption of advanced technologies, techniques, and business practices

National Quality Program enhances U.S. competitiveness, quality, and productivity, manages the Malcolm Baldrige National Quality Award, and provides global leadership in promoting quality awareness

NIST Mandates

- Develop standards and guidelines for the Federal government for sensitive (unclassified) systems
  - Computer Security Act of 1987
  - IT Management Reform Act of 1996
  - OMB Circular A-130
  - FY 2001 Defense Authorization Act (P.L. 106-398) Title X, subtitle G, "Government Information Security Reform."
- Contribute to improving the security of commercial IT products and strengthening the security of users' systems and infrastructures

NIST Small Business Information Security Meetings

Seminars provided across the U.S. that:

- Inform small businesses about useful security mechanisms
- Provide computer security training that is practical and cost-effective
- Help small businesses become more educated consumers

Co-Sponsored by the Small Business Administration and NIPC InfraGard

Regional Security Meeting Goal

Promote

- Awareness of the importance and need for IT security
- Understanding of IT security vulnerabilities and corrective measures

Small Businesses Will Learn

- How their data is vulnerable
- What they can lose through an IS breach
- Practical steps to protect their business
- How to use IS vendors and consultants
- How to evaluate tools and techniques based on their needs

Sample Meeting Agenda

Morning Sessions

1. Information Security…What is it and why is it needed?
2. Information Security…Why Invest?
3. Information Security…Defining Your Needs

Lunch/Vendor Exhibits of Security Products and Services

Afternoon Sessions

4. Information Security … Common Practices
5. Information Security…The Mechanisms and Technologies

Vendor Exhibits for Security Products and Services

Who Should Attend

Representatives from organizations operating without fulltime IT support

- Small business owners
- Employees at small, local government agencies
- Computer users at small manufacturing facilities
- School administrators
- Teachers with internet access in their classrooms
- Information handlers at non-profit organizations
- Individuals looking for IS awareness training or materials

Why *Small* Businesses?

Availability

Confidentiality

Integrity

- Malicious code is expected to cost businesses billions of dollars
- Hackers scan thousands of computers looking for identities to steal and vulnerable systems to attack – or vulnerable systems to *use in an attack*
- As many as 90 percent of all information security breaches originate from *inside*

Three Common Threats

Theft of data and resources

Stealing computer files, misuse of computer accounts, intercepting email, stealing computers

Denial-of-service attacks

Locking up equipment or crashing systems

Malicious codes and viruses

Deleting or compromising data, locking up computers or systems, *CREATING CO-CONSPIRATORS*

Potential Consequences

- Embarrassment
- Repair costs
- Misinformation
- Decreased productivity
- Increased labor costs
- Legal liability
- Loss of business

When and Where?

Wednesday, February 20, 2002
8:30am – 4:00pm
Sheraton Birmingham Hotel
2101 Richard Arrington Jr. Boulevard North
Registration Fee $50

(Lunch provided by the Alabama Technology Network.)

Contact Dr. Alicia Clay at regionalmeetings@nist.gov or 301-975-3641 if you have questions or if you are interested in attending as a vendor of information security products or services. There is no fee but vendor space is limited. *Call to reserve a table!*