Ethical Hacking Services
Wireless Security

The demands of modern business have made wireless technology a necessity. The mobile workforce has spurred the development of technologies that make it possible for your employees to instantly access data and network infrastructure from nearly any place in the world. With that access, however, comes significant risk.

The BT Ethical Hacking Center of Excellence (EHCOE) can complete a Wireless Security Ethical Hacking Assessment to measure the security of your wireless infrastructure and provide you with a roadmap to ensure the integrity and availability of its information and resources.

The BT EHCOE helps organizations protect their information assets and business reputation. In fact, our dedicated EHCOE consultants have helped many of the world's largest financial institutions protect their web-based service delivery systems. Utilizing our structured Information Security engagement methodologies, our team of security experts identifies vulnerabilities that could impact organization and provides business-oriented solutions. Through extensive research and experience, BT ethical hacking experts continually develop new intrusion testing techniques and add to our proprietary library of manual tests and custom developed tools.

BT Ethical Hacking services are backed by our comprehensive Security portfolio. You can count on our unsurpassed security expertise; BT is the highest rated NSA-certified organization. We are quality-focused, and use a highly-tuned delivery methodology and toolset. Our dedicated security practice includes of the largest and most experienced security consulting teams in the world, and is deeply engaged in the science, technology and art of information protection. Our security consultants maintain certifications across leading security disciplines and technologies, and have extensive knowledge and experience with current security standards, best practices and government regulations, including ISO 17799/BS 7799, HIPAA, Sarbanes-Oxley and Gramm-Leach Bliley.

The BT Approach

With each consulting engagement, BT takes a business-centric approach to mapping people, process and technology with corporate objectives. Utilizing our structured methodologies, our consultants work closely with your executive and functional staff to understand your business needs, deliver in-depth analyses and provide solution recommendations. We also ensure thorough knowledge transfer via hands-on explanations, formalized training for key personnel and detailed engagement deliverables to help you establish an operational framework as a foundation for continued success. With 15 years of technology integration and business solution delivery experience, our expertise spans the entire IT enterprise, from strategy, planning, compliance and governance to networking, security, storage and application development and integration. By combining our comprehensive expertise with our best practices and proven processes, we are able to deliver consistent and exemplary results that help innovate your business operations and create a foundation for continuous improvement.

Realize the Results

- Identify vulnerabilities within your wireless environment

- Implement wireless technologies securely

- Reduce the risk of data loss or corruption

BT's Ethical Hacking Services provide various types of testing, including:

- Application Testing
- Network Testing
- System Hardening
- War Dialing
- Wireless Security

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The BT Wireless Security Ethical Hacking Assessment is composed of multiple phases. Each phase provides the EHCOE consultants with more information that acts as the foundation for the next. The three phases of the project are: Map and Identify Active Wireless Networks, Assess Wireless Implementation for Vulnerabilities, Exploit Vulnerabilities and Access Other Networks.

During the first phase, Map and Identify Active Wireless Networks, BT will determine your network's vulnerability to an attacker with radio access to the wireless network space. The EHCOE consultants will attempt detect the 802.11 wireless networks in place (including any ad-hoc networks identified), determine the locations and ranges of the wireless networks, evaluate the range of the wireless access area, determine network configuration information and probe points of entry for identifying system information or access parameters.

In the second phase of the engagement, Assess Wireless Implementation for Vulnerabilities, BT will pose as someone with normal user access and evaluate the security measures taken to secure infrastructure, including the following ESSID, the use and strength of WEP encryption, network segmentation and access control devices.

During the Exploit Vulnerabilities and Access Other Networks phase of the project, BT will attempt to use the vulnerabilities discovered during Phase 2 to obtain access to other network segments. If the consultants are successful, they will test different methods to exploit that access. This phase will determine which network segments and systems the wireless network infrastructure can access, the security controls that separate the wireless network from other network segments and if the wireless network can be used as a launching point to attack other systems.

Before the project begins, BT will develop boundaries for actions and events that our consultants can perform during the vulnerability assessment. For the Wireless Security Ethical Hacking assessment, the EHCOE consultants will use a variety of publicly available and proprietary tools. All publicly available tools used by BT have undergone source code review and thorough evaluations (including sniffer logs) in our testing lab.

Any High-Risk vulnerabilities/risks identified during the assessment will be communicated immediately to you. After the testing has been completes, BT will provide your organization with a formal report that:

- Lists all identified weaknesses and vulnerabilities

- Explains the risks associate with the current network configuration

- Presents recommendations to increase the security of your wireless infrastructure

About Us

BT in the U.S. and Canada provides solutions that help enterprises effectively use technology to drive business growth. The expertise of our more than 4,000 employees enables us to help customers globalize their businesses in innovative and sustainable ways. Through strategic development, strong partnerships and a diverse collection of best practices and methodologies, BT has emerged as a leader in networked IT services providing professional services and consultancy, managed services and full outsourcing for business and IT transformation. Our professional services are driven by the needs of our customers. In our role as a trusted advisor we shape our business around helping our customers navigate the rapidly changing technology landscape through solutions that reduce costs, increase flexibility, strengthen security, ensure compliance and improve efficiency.

For additional information, please contact your local BT professional services representative.
You can also visit our web site at http://bt.ins.com or call 1-888-767-2988.

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