

# Ethical Hacking Services War Dialing



With modern business relying so heavily on information sharing and connectivity, many organizations have information technology systems that can be accessed remotely through modem-based dialup connections. While authorized connections can be made secure, sometimes unauthorized dial-in modems may exist.

BT War Dialing services, delivered by our Ethical Hacking Center of Excellence (EHCOE) identify unauthorized modems that bypass protections that exist to safeguard the internal corporate infrastructure. Traditionally, War Dialing, also called modem scanning, is time-consuming, labor-intensive and expensive. However, the BT war-dialer suite uses advanced techniques and tone/carrier recognition software to complete in 10 days what conventional war dialers would require over a month to do.

The INS 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, EHCOE consultants 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

- Improve security by identifying unauthorized points of access to your technical environment
- Understand and manage the risks associated with external access
- Close unsecured entries to your environment
- Protect your data from corruption and theft

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

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

BT utilizes a two-phased approach for its War Dialing engagements: modem identification and vulnerability exploitation. First, BT will find unauthorized modems that provide access to your network. Then BT will attempt to access your network by taking advantage of weaknesses in security.

During the modem identification phase of the engagement, the war dialer will sweep within a range of predetermined numbers to search for modems. Two sweeps will be done. The first will sweep will be conducted during normal business hours and the second will be done after hours. The after-hours sweep commonly uncovers modems that employees use to access their work from home, after they have gone home for the day.

A log that includes the number called, the date, the time, and the call results will be maintained for each number dialed. For each modem found, we will work to ascertain the communications software or host operating system. BT will develop a log of all systems we believe to be potential penetration targets.

During the vulnerability exploitation phase of the engagement, BT will attempt to break into modem-connected hosts. This phase of testing is intensive and relies heavily on the experience and skills of EHCOE consultants. Our experts will analyze information obtained during Phase 1, formulate hypotheses regarding the type of device answering the line, and establish a customized attack scenario for each device. The techniques used to establish access will vary according to the configuration and location of the systems attached to the modems. Additionally, BT will use a variety of commercial, publicly available and proprietary tools, all of which have been thoroughly evaluated in our testing lab.

We will immediately report any high risk vulnerabilities identified during testing. At the end of the assessment, BT will provide a formal report that lists:

- All identified weaknesses and vulnerabilities
- An analysis of the associated risks and recommendations for remediation
- A list of all numbers dialed
- The suspected system type for all carriers

## About Us

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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.

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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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