

Ethical Hacking Services System Hardening



As information technology becomes more integrated with daily business, the security of your organization's network infrastructure becomes more important. Your network's security cannot be left to chance. The BT Ethical Hacking Center of Excellence (EHCOE) can provide you with a System Hardening Assessment to determine your network's overall security by analyzing possible configuration issues, running services, and vulnerabilities that reside on the system. A System Hardening Assessment focuses exclusively on the network environment.

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 some 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 system
- Tighten your network security
- Reduce the risk of service interruptions and security breaches

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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BT understands the importance of appropriate information security controls in ensuring the integrity of information and computing resources. Effective implementation of these controls prevents unauthorized, accidental or deliberate disruption of information technology resources.

A System Hardening Assessment is completed in three phases. During the first phase, the EHCOE consultants will review your network to find gaps in security updates and other common security defects, then consultants will scan remote access devices for vulnerabilities, and then finally they will exploit any weaknesses in the system to obtain access to the host system. BT tests for over 1,000 network-level vulnerabilities during the System Hardening Assessment.

Phase one of the assessment, Map and Identify Missing Security Updates and Common Configuration Vulnerabilities, is a straightforward review of your network's security. BT will examine your network and determine if there are any required security updates or configuration vulnerabilities.

During phase two, Scan Host Device for Vulnerabilities, BT checks the host operating system to determine what services are available to remote users and ascertain if those services are vulnerable to remote exploitation. BT will test all TCP/IP services including, FTP, Telnet, Sendmail, DNS, SMTP, SNMP, all 65,535 TCP Ports, and the most commonly used and exploited UDP ports. Additionally, the EHCOE consultants will use packet fragmenting and loose-source routing to try to bypass filtering routers and firewalls.

The final phase of the engagement, Exploit Vulnerabilities, is the most complex. The EHCOE consultants will use the information obtained during the first two phases to exploit vulnerabilities and weaknesses that were discovered to attempt access to the host system.

Throughout the System Hardening Assessment, a number of publicly available and BT proprietary tools will be used. All of these tools have been strictly reviewed and evaluated to ensure your security.

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

- Lists and prioritizes all identified weaknesses and vulnerabilities
- Explains the risks associated with the current network configuration
- Presents technical and procedural recommendations to increase the security 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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