

Ethical Hacking Services Network Testing



Today's businesses depend on information technology. Networks that enable information sharing, messaging and collaboration are all integral parts of modern commerce. To preserve the integrity, confidentiality and availability of your information and computing resources it is imperative to validate the effectiveness of implemented security controls and identify vulnerabilities

BT Network Testing services, delivered by our Ethical Hacking Center of Excellence (EHCOE), identify vulnerabilities in external networks, internal networks, network services, network protocols, network convergence solutions and network systems and devices. This service also focuses on VPN technologies, with activities that include gaining access, traffic manipulation, authentication manipulation, denial of service and data analysis.

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, 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

- Determine the effectiveness of your security controls and architecture
- Identify vulnerabilities before they are exploited
- Protect your organization's information assets and reputation
- Understand your level of risk
- Prioritize security initiatives based upon risk

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

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

The stringent network testing that BT performs has a number of different components, including a series of external vulnerability and penetration assessments, internal vulnerability and penetration evaluations, VPN vulnerability and penetration tests and, if applicable, an analysis of VoIP within your environment. Additionally, BT will verify the findings of these assessments.

Assessment commonly includes security tests of Internet facing routers and switches, Internet firewalls or other screening devices, Mail servers (SMTP, POP, IMAP), Web and FTP servers, DNS servers, and other systems that are identified during testing.

During the testing, the EHC OE consultants start by attempting to learn about the network architecture, determine the devices and services available and identify as much information about the target area as possible using publicly available sources, including InterNIC, ARIN, DNS records and hacker sites. After collaborating with your technical team to ensure that testing can continue without impacting operations, the consultants will begin scanning for vulnerabilities. They will test all TCP and UDP services and ports. Packet fragmenting and loose-source routing may be used in an attempt to bypass filtering routers and firewalls. The next step in the testing process is manual verification of vulnerabilities. Lastly, the consultants will try to exploit the vulnerabilities that they've found to Gain Privileged Access. The goal of this step is to demonstrate the consequences of vulnerabilities if exploited by an adversary.

We will immediately report any high risk vulnerabilities identified during testing. When the testing has been completed, you will receive a formal report that will contain:

- A detailed explanation of the work that was completed and the methods used by the team to determine the results
- A listing of all the vulnerabilities and weaknesses of your environment with a ranking of their level of risk, the ease with which they can be exploited, and mitigating factors
- An explanation of how to mitigate or eliminate the vulnerabilities including enhancement of customer policies, adoption of industry best practices, changes to security processes and enhancement to the security architecture

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.

All trademarks and registered trademarks are properties of their respective holders. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to BT products or services.