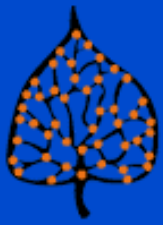


Bangalore Labs | Internet Infrastructure Managers

PENETRATION TESTING



How secure is your Information systems infrastructure – even the security elements - to external attacks? Have you been able to keep track of information security on a continual basis with all the new business and infrastructure changes that have been taking place in the organization? Do you have the right internal controls in place? Is your firewall secure?

The penetration testing services tries to answer these questions for you – an acid test for checking all the problem areas for your infrastructure elements and the business risks associated with them. These tests are detailed check on the robustness of the critical information resources as well as the security elements themselves in the face of the threats posed by external and internal threat-agents.

The services comprising of bespoke designed checks on the devices and processes, provide you with an element level – network, system, applications and processes – as well as an overall organization level view of the risks that you might be carrying.

Deliverables

As a deliverable to the tests, Bangalore Labs provides information that can then be used to incorporate the appropriate security features to make the infrastructure more secure:

- Description of the method used for penetration testing
- Vulnerabilities found as a result of the penetration testing exercise
- The information exposed as a result of the penetration testing exercise

Benefits to Customer

Real Security picture: The penetration testing service provides a realistic picture of the organizations security state with vulnerabilities identified. This can help your organization minimize the risk of a hacker causing damage to your network, hosts and services

Business relevant information: Post detection of vulnerabilities, a comprehensive analysis of the same is done to filter out only business-relevant risks, prudently arranged in the order of criticality thus making it very “actionable”

A sound starting point: Penetration testing gives a valuable starting point to organizations that need to assess the need for security and is the first point in setting a security baseline for you.

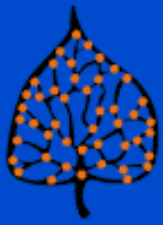
Benchmarking Organizational Security: The results of the penetration testing are compared against best standards and the results of other companies to build an indicative benchmark for your security-state

It's safe: The b-secure@BL team simulates a real intruder's attacks but in a controlled, safe way for you. During the course of the test, your IS infrastructure is not harmed at all.

Bangalore Labs Differentiators

An expert resource pool: Bangalore Labs has a dedicated team of penetration testers who specialize in finding new vulnerabilities and exploits. The on-the-ground consultants who bring in their project experiences to bring the real world flavor to the service support this team.

Best technical facilities: The IMaRC – International Management and Resource Center, a command center with a collection of standard and in-house developed tools, trained people and certified processes tools provides an ideal host to the high importance and complex activities that need to be performed in the penetration testing.



Confidentiality and Privacy: Bangalore labs security practice division understands the importance of privacy and confidentiality. You can also check www.bangalorelabs.com for additional information on our security services. If you need a stronger agreement in place before you feel comfortable performing an audit, please do let us know.

Our Approach

As a part of its security consulting practice Bangalore Labs offers vulnerability assessment service on a mutually agreed upon contract. The attack based approach to finding the loopholes in the IS ecosystem comprises of:

Foot printing is the preliminary groundwork needed to gain a firm understanding of the infrastructure under test. It would involve Network mapping and systems identification, Identify network address blocks, domain names and registrations, Identify routers, firewalls, proxies, gateways and caching systems, Identify operating systems and application services, Identify active databases services and Remote access exposure review

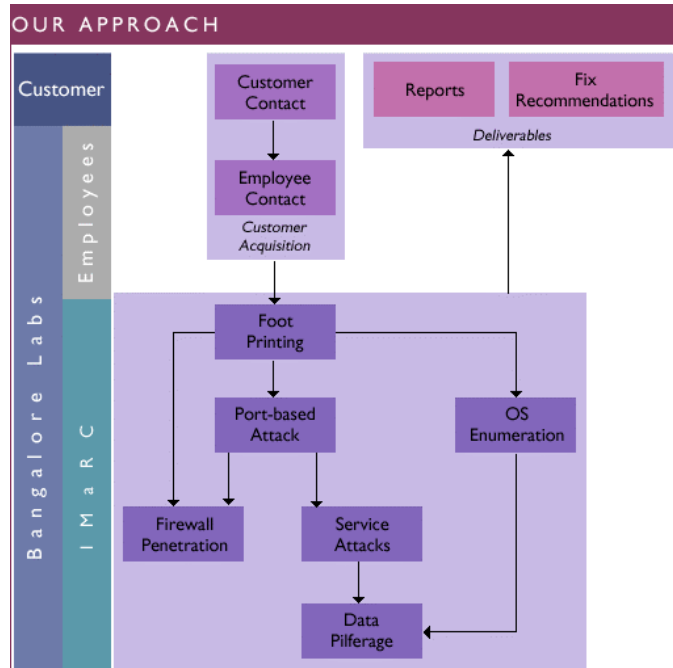
Port based attack: A cracker identifies open ports to initiate an effective attack.

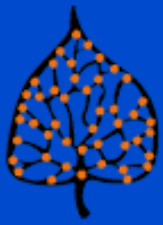
In this stage b-Secure@BL team will identify all the exposed ports and the services associated with each of the identified ports. Using a combination of commercially available tools and internally devised scripts Bangalore labs will analyze the vulnerability and provide recommendations on how to circumvent a port based attack.

Operating System enumeration involving more intrusive probe to check for vulnerabilities associated with mis-configurations, vulnerable user accounts and poorly protected resource shares. The techniques, tools and procedures depending on the operating system and how well it is protected by the perimeter security in your organization.

Services and data pilferage check in which the identified services like application services or database services or host-based services are enumerated and the confidentiality of the data and the availability of the services are checked by custom-designed tools developed by the security consulting team

Checking the security systems themselves is undertaken as the culmination of the penetration testing exercise. A firewall is the first perimeter security protection available to any network. Firewall Penetration Testing would enumerate the firewall system by collecting information of the kind of firewall deployed, the underlying operating system and detect vulnerabilities and simulate attacks. This will provide a better understanding of both how well a firewall is installed and how well the security policy is implemented.





About Bangalore Labs

Bangalore Labs is a focused IT infrastructure services company, with presence in India, Australia and US. With increased automation and computing, managing IT infrastructure effectively has become very critical to the success of an organization.

Bangalore Labs believes that an organization needs to address availability, performance and security issues in the IT infrastructure at the lowest total cost of ownership. Bangalore Labs helps organizations address this through its Managed Services Division. This division offers Managed Infrastructure and Managed Security Services. Managed Services are delivered through a state of the art facility called the "International Management and Resource Center" (IMaRC™), the first of its kind in India.

Additional information about Bangalore Labs is available at: <http://www.bangalorelabs.com> .

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