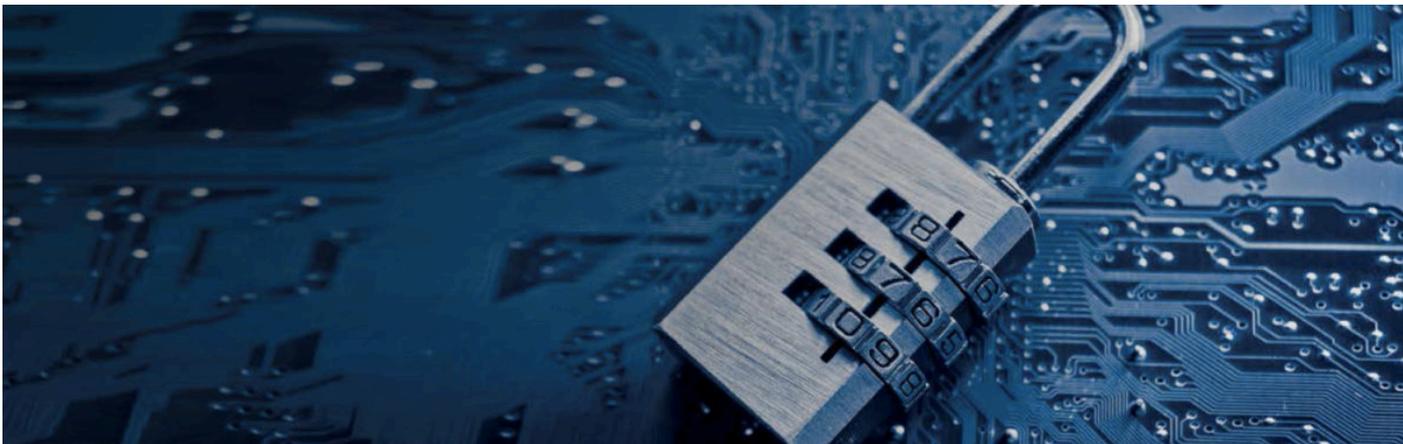


## Vulnerability and Penetration Testing Services



### What is Vulnerability and Penetration Testing from MSP1?

MSP1 understands the need to be agile, introduce new systems, technologies and ways of working to be competitive and improve efficiency. Our security vulnerability assessment services maximize risk reduction whilst minimising any disruption to the delivery of business. We evaluate systems by subjecting them to external Internet attacks or by considering insider threats. By using our testing services at regular intervals, our clients will stay one step ahead of potential attackers, enabling their IT systems to grow with their business, without lowering the defences of the enterprise.

Our approach to Vulnerability and Penetration testing provides a thorough, quality service whilst allowing the flexibility necessary to test a wide range of IT systems.

### Challenges for IT

- Did you know that the number of vulnerabilities in your operating systems and applications are extremely high?
- Did you know that unattended vulnerabilities will expose your company to data leakage / theft and can result in costly down time due to malicious attacks?
- Is it possible to identify these vulnerabilities periodically and patch them to avoid being attacked by hackers?
- Is there a way to attempt penetration into my network and applications in a controlled manner to identify

weaknesses in my security architecture and Information Security Management System (ISMS)?

All applications and operating systems have in-built vulnerabilities due to improper development of their software code. These vulnerabilities can be used by hackers to launch attacks on the network, websites and servers of enterprises. Such attacks can result in costly downtime, theft of proprietary information and loss of customer data. This can result in loss of image among customers as well as costly lawsuits filed by customers or regulatory agencies. It is important for enterprises to periodically assess these vulnerabilities and patch them to avoid such attacks.

Organisations depend on business and IT systems to operate effectively and competitively in this digital age. These systems are frequently updated and even a small change can introduce new vulnerabilities. Significant effort is invested to ensure that the systems run efficiently, and that the necessary security controls are incorporated, yet organisations don't always test that the security controls are implemented correctly or are sufficient. Left to chance, vulnerabilities will only be discovered once security has been breached, leaving the organisation open to potential regulatory fine, financial loss, reputational damage or theft of business-critical information or intellectual property.

## Vulnerability and Penetration Testing: how does it work?

Since any network can be breached with time and skill, there will always be risk. It's all about Risk Management and clients are keen to understand the risk to their organization.

Our service helps to reduce risks:

- Identifies technical and architectural vulnerabilities that can be exploited by attackers;
- Assesses ability to withstand common attacks;
- Ensures coverage of systems and issues that automated tools are unable to identify;
- Prioritizes vulnerabilities by criticality to assist in remediation planning;
- Provides remediation suggestions drawn from extensive practical experience and industry best practices;
- Evaluates the client detection and response capabilities and performance when security events occur;
- Intrusive and non-intrusive options.

Our service is based on the most popular industry-recognized penetration test and security assessment methodologies, frameworks and standards, including Open Web Application Security Project (OWASP) Testing Guide v4, U.S. National Institute of Standards and Technology (NIST), Special Publications series and Public source security Advisories, whitepapers and articles.

We deliver clear and actionable results:

- Effort put into presenting findings in a clear and actionable hand-written report of findings;
- Includes a concise executive summary;
- Summary of findings shows:
  - priority of each significant vulnerability;
  - possible remediation actions;
  - direct links to relevant bulletins, patches and advisories.
- Detailed results are presented in clear language;
- Findings are grouped by Risk level.

## Benefit from MSP1 Vulnerability and Penetration Testing

Our primary objectives are to demonstrate, to the highest level of assurance possible, that a system is either susceptible or not susceptible to particular security weaknesses, to provide clear recommendations for vulnerability mitigation that is both straightforward to implement and tailored to the required functionality of the system under test and last but not least to help our clients ensure that their IT systems are not the weakest link in their security infrastructure.

## MSP1 Highlights

- Accurate service; automated assessment tools supported by manual verification
- Controlled service; tests designed to ensure no steps are missed and reduce impact on target systems
- Repeatable service; test parameters recorded to allow retesting under the same conditions
- Specific client needs can be included
- Highly skilled and experienced experts



MSP1 helps businesses fight cybercrime, protect data and reduce security risk. With cloud and managed security services, integrated technologies and a team of security experts, ethical hackers and researchers, we enable businesses to transform the way they manage their information security and compliance programs.

We deliver automated, sustainable and cost-effective data protection, risk management and threat intelligence to our customers.

With automation, tools and intelligence, we find better ways for businesses to overcome their security challenges. Our qualified security assessors, ethical hackers and other experts are some of the industry's most trusted sources for risk assessments, threat research, forensic investigations, and security training.

North America

46721 Fremont Blvd,

Fremont, CA 94538

United States

+1 (408) 769 5030

<https://msp1services.com>

India

11/11 Kamdhenu,

Hariom Nagar, Mulund East,

Mumbai 400081, India

+ 91 9769757668