



PCYSYS

Pcysys Automated Pen-Testing Platform

A Thousand Pen-Testers
at Your Service.
Not on Your Payroll.

THE CHALLENGE

As hackers become more sophisticated, corporate security officers and regulators become more aware of the need to integrate the hacker's perspective into their ongoing cyber defense strategy.

Traditionally, penetration testing has been done manually by service firms, deploying expensive labor to uncover hidden vulnerabilities, producing lengthy reports, with little transparency along the way.

Professional services-based penetration testing, as we know it today, is time consuming, intrusive, costly, represents a point in time snapshot, and cannot comply with the need for continuous security validation within a dynamic IT environment.

THE SOLUTION

Focused on the *inside* threat, Pcysys' automated penetration-testing platform mimics the hacker's attack - automating the discovery of vulnerabilities and performing ethical exploits, while ensuring an uninterrupted network operation. Detailed reports are produced together with proposed remediations, one step ahead of tomorrow's malicious hacker.

PRODUCT FEATURES



Agentless

Zero agent installations or network configurations. Penetration testing starts with physical LAN access without any credentials. Just like a hacker would.



Harmless Exploits

Like a hacker, we perform real-exploits without disruption of service: e.g. reconnaissance, lateral movement, remote execution, credential reply, password cracking, ethical malware injection and privilege escalation.



Attack Vector Visibility

Every step in the attack vector is presented and reported in detail to document and explain the attack "kill chain" and select the minimal amount of vulnerabilities to stop the attack.



Automated

Press 'Play' and get busy doing other things while the penetration test progresses. All you need to do is define a range of IPs and check the type of tests you want to perform.



Attack Checkpoints

For mission-critical systems, a company's security officer can assume discrete control for higher-order exploitative stages to selectively control the intrusiveness level of the attack.



Prioritized remediation

Get a clear packaged summary of the critical remediation steps to perform based on threat-facing priorities that are relevant to your organizational network and critical assets.



Latest Hacking Techniques

Know that your penetration testing techniques are the most up-to-date.



Custom Business Alerts

You can set any starting point and penetration testing target and run a targeted attack to allow testing for a specific weakness or for the cyber resilience of specific applications.

Benefits

Continuous Protection

Test as frequently as needed - daily, weekly or monthly

Because networks, users, devices and applications constantly change and expose vulnerabilities, it is critical to pen-test continually. Pcysys allows you to validate your cybersecurity posture as often as you need, keeping your guard up at all times.

Consistent Validation

Hold all of your networks to the same high standard

It is critical to consistently check your security controls and defenses across your organizational networks . Pcysys' automated penetration testing platform tests your entire infrastructure with a wide array of hacking techniques ensuring that you remain resilient regardless of how the hacker is trying to break in.

Current Defense

Keep up with the latest hacking techniques

Malicious hackers constantly evolve their techniques and tools, therefore it is critical that your risk validation tools evolve as fast the hackers'. Pcysys assures that you match and evolve the depth of "off the books" pen-testing techniques.



EASY DEPLOYMENT

The Pcysys software is locally installed on your network effectively securing your vulnerabilities from the internet and the outside world. The software requires standard hardware and installation only takes a few hours, at the end of which the entire functionality is accessible to you in any environment.

MACHINE BASED PT VS. HUMAN BASED PT

A global shortage of information security professionals and the increase in cyber threat sophistication drives the need for automated penetration testing software. We improve the way organizations validate their cybersecurity risk, by delivering the most sophisticated, continuous and cost-effective penetration testing platform.

Criteria	Automated PT	Human Based PT
Test Frequency	Continuous / On Demand	Annual / Quarterly
Speed	Minutes-Hours per full PT run	Days-Weeks per limited PT run
Consistency	Highest - software runs millions of attack vectors, non-stop	Partial and highly dependent on the individuals performing the act
Scope	Entire network / complete coverage	Based on the time and the number of PT consultants deployed
Project Approach	None. It's a Plug-and-Play Solution.	Intense project team needs to be assigned & vendor's personnel involved
Privacy	PT findings only visible to company's personnel	External PT consultants exposed to confidential information, intrusive, unpleasant
Most Current	Automated PT is updated monthly with latest vulnerabilities and exploit	Highly dependent on the PT company playbook that is often outdated

About Pcysys:

Pcysys delivers an automated penetration-testing platform that assesses and reduces corporate cyber security risk. By applying the hacker's perspective, our software identifies, analyzes and remediates cyber defense vulnerabilities. Security officers and service providers around the world use Pcysys to perform continuous, machine-based penetration tests that improve their immunity against cyber attacks across their organizational networks.