



2023

# Penetration Testing as a Service (PTaaS)

ITB & CyberCrowd



### THE CHALLENGE

Vulnerabilities and misconfigurations pose significant challenges for organisations as they can be exploited by cybercriminals, resulting in unauthorized access, data breaches, and disruptions.

Threat actors are continuously discovering and exploiting vulnerabilities at an alarming rate. Traditional annual or bi-annual penetration tests alone are no longer adequate; organisations must also regularly scan for known vulnerabilities.

Given the rapid weaponization of attacks and the constant evolution of CI/CD workflows, organisations need to swiftly reduce their attack surface and decrease their Mean Time to Respond (MTTR). Timely action is crucial to effectively mitigate risks and respond to security incidents.



*“According to Edgescan, In 2021, the average time taken to remediate internet-facing vulnerabilities was 57.5 days. This high MTTR provides a large attack surface for threat actors who (on average )weaponize vulnerabilities in just 20 days.” – Mark Lambourne, ITB Technical Director*

### Our Approach



identify



define



map



action



report



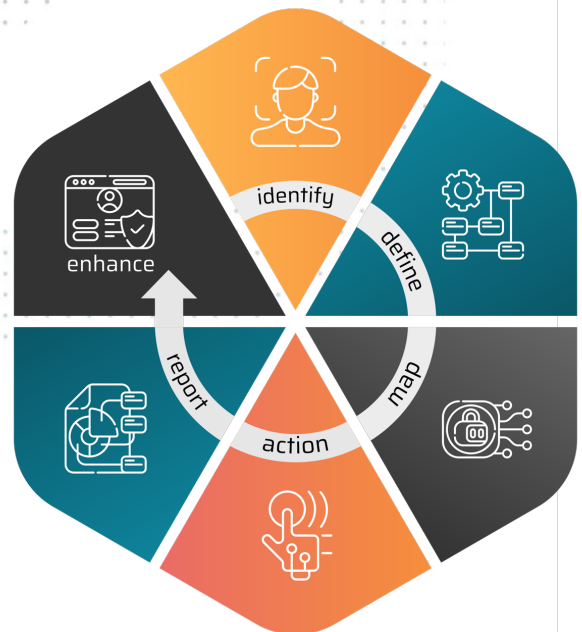
enhance

ITB provides comprehensive and innovative solutions to address any cybersecurity challenge. Our advanced technologies, paired with simple but effective methods, reduce the burden of cybersecurity.

By offloading the complexities of managing cybersecurity, you can optimize resources, helping you achieve your security goals.

Our skilled professionals become part of your security journey, identifying and implementing robust strategies to enhance your security posture.

As your trusted partner, we work closely with you, overcoming budget and resource limitations, and safeguarding your assets.



### How do organisations respond to vulnerabilities and reduce their MTTR?



### THE SOLUTION

Penetration Testing as a Service is a sequence of penetration tests carried out across an agreed timescale for a pre-agreed monthly price.

We utilize our brand partner CyberCrowd to carry out Crest Certified penetration tests against an agreed regular schedule over a 12 months period. Additional monthly vulnerability scans give an evolving view of security issues that present themselves - allowing a better view of the effectiveness of mitigations and remediations.

This service based offering helps to reduce your Mean-Time-To-Respond (MTTR), providing a holistic view of your organisation's vulnerabilities across the year and providing a great way to bolster your security posture.

Internal

External

Application Testing

### THE BENEFITS

Opting for Penetration Testing as a Service means that you have access to a Certified Ethical Hacker whenever you need them. Our team is available should you have a new software launch, need something checking over or are simply wondering how your organisation's cybersecurity looks or could be improved.

PTaaS facilitates more frequent testing across all environments and gives you an ongoing view of your organisational cybersecurity posture, and allows you to validate remediation and mitigation efforts. You can identify vulnerabilities more frequently than an annual pen test and feel rest assured.

It provides a cost-effective service offering with flexibility, regular testing and the option to include vulnerability scans in between testing periods.



Black Box

White Box

Grey Box

On Demand



- ✔ On-going view of your organisation's vulnerabilities across the year.
- ✔ Validate remediation and mitigation efforts across multiple engagements.
- ✔ Better priority and measurement of remediation activities.  
Annual pen tests often result in one large report of remediations, carrying this exercise out across the year allows for optimised security operations, giving a clear picture of resource and time required to improve security.
- ✔ Experts on demand  
We provide an on hand point of contact within the pen test team to ensure that any remediations or activities that you carry out across the year can be checked through the eyes of a hacker to ensure the appropriate security measures are in place.



## Reducing your attack surface in days, not months...

Since 2008 we have been helping our customers secure their businesses, data and people from potential threats.

To simplify the role cybersecurity plays within a business, we have established a robust journey that we take with our customers.

We're here to guide you through the various penetration testing options. Speak with our of our cyber advisors today to scope out your needs.

[solutions@it-b.co.uk](mailto:solutions@it-b.co.uk)  
T: +44 (0) 1865 595 530

