

# Penetration Testing

Device security is of the utmost importance when you run a business. Implementing penetration testing allows us to use our wealth of knowledge and training to ethically hack your systems and signpost you to any current weaknesses.

## Why is penetration testing important?

Ethical hacking is a fantastic way of ensuring you have the correct protection in place, offering additional security for when, at some point in the future, a malicious hacker may attempt to gain entry to your device or data.

We have numerous tests that we can implement to your systems and team to see where your weaknesses lie. Remember, alongside device weakness, you should also factor in human error and vulnerability. While some hackers may attempt to breach your existing security, others may bypass it entirely through fraud emails with potentially dangerous links or download attachments.

## > Support every step of the way

Syn-Star will keep you updated on tests, results, and how effective new strategies have been.

## > Full testing to suit you

Penetration testing will not get in the way of your business day. We can run our tests at days or times that best suit you.

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### A trusted provider

The Syn-Star family lives for technology. You can rest assured that your data will not be harmed with our tests. If anything, the work we do will help to protect your data better than before.



### Real-time activity tracking

It is imperative that your business has the means to detect and respond to hacking or malicious activity on any device used for business purposes. Our intensive pen testing creates logs for each individual activity, allowing you to monitor and keep track of solutions.



### Meeting compliance

Meeting compliance requirements is essential for building trust in your business, as well as avoiding ramifications should data breaches occur. All Syn-Star pen tests give you the certification you require to prove how you meet those standards.



## Our methodology

At Syn-Star, we do not believe in one-size-fits-all. Our penetration tests can be adjusted based on your business needs.

**As standard, your testing will contain:**



### Authentication

Validate any user credentials to see how much access they have.



### Privilege Escalation

Using valid credentials, we will attempt to gain access to high-ranking sections of data and seek out sensitive information.



### Simulations

We will attempt to upload fake malware into your systems or devices to see how effective your monitoring and anti-virus are.



### Exported Data

Any data coming away from your business is a security risk. We will attempt to gain access to confidential data and show where data security needs to be fixed.

## Track your activity

While pen testing can allow you to make changes to existing security, you may also want to plan ahead. Pen testing creates a log for any activity that takes place, allowing you to see how your existing monitoring solutions work in comparison. This can improve your ability to detect and act on malicious behaviours.

## Greater Compliance

As a responsible business, you need to show various organisations and audits that you have done your utmost to improve security and prevent data breaches. Pen test certification can be used as proof of your efforts.

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## Assessment Capabilities

You get two different types of assessment within your pen testing. These will give you a comprehensive outlook into your network security.



**Internal network pen test**

Using a device connected to your network and systems, we will look for security risks that exist within the network. Sadly, malicious attacks can come from authorised users, and it is better to plan for issues rather than offer blind trust.



**External network pen test**

Most cyber-attacks come from someone not affiliated with your company. External network tests can highlight vulnerabilities without authorised access, pinpointing weaknesses in firewalls, virus protection, patching, and general settings.