The Small Business Guide To

Cyber Security

40%
of SMEs reported a security incident in the last year

60%
of companies go out of business 6 months after a breach

Average cost of cyber attack is
£11k
to SMEs in the UK

Over
1.3million
SMEs lack the skills to protect against cyber attacks

jovasi
TECHNOLOGY

Introduction

What is cyber security?
Cyber security is the practice of protecting systems, networks, and applications from digital attacks. These attacks are usually aimed at accessing, changing or destroying sensitive data or information in order to extort money from users and organisations (or to disrupt normal business operations). Whilst most of these attacks originate externally from the internet, others can be done via your internal network, Wi-Fi or staff.

Why is it important?
An organisation is nothing without its data (e.g. customers, suppliers, financial, legal), and with an ever increasing number of organisations going online, it is critical that this data is protected from malicious users who extort money to recover it or release it publically to destroy your reputation. The biggest mistake an organisation can make is to think they will never be the target of a cyber attack. Cyber attackers do not discriminate between large global industries or a small family business.

How can we protect the organisation?
Protecting your organisation from a cyber attack is not as difficult as you may think - from basic good practices and staff training to more complex technical security measures. Whilst it's easy to think these are already in place - think again. Over the years, we've found weaknesses in all sorts of organisations who thought they were well protected.

How do we find someone to help?
Jovasi Technology is an NCSC Assured Service Provider, which means we have been accredited by the UK National Cyber Security Centre to deliver expert cyber advice to help organisations put the cyber security building blocks in place - working with your organisation either onsite or remotely in both English and Welsh.

Our Services

Cloud
With more and more data stored in the cloud, it is crucial to ensure it is secured. Our cloud security architects can help you develop your cloud strategy with the major platforms (such as Amazon AWS, Microsoft Azure and Google GCP).

Physical Security
These days criminals don't break into your property to steal your computers - they break in to get access to your data (which is much more valuable). We can advise you on best practices to secure your premises from cyber criminals.

Cyber Advisor
Our NCSC accredited Cyber Advisor was one of the first awarded in the UK, and is currently the only one in Wales. The service provides a targeted hands-on approach to help organisations implement the Cyber Essentials technical controls.

Training
Cyber awareness training educates employees about the wide variety of threats they may encounter, or actions they may take that could jeopardise the organisation's security. We offer lots of training options for information security.

Cyber Essentials
Cyber Essentials is a UK Government backed scheme to help protect your organisation against a whole range of cyber attacks. We are an authorised certification body and can assist your organisation to achieve Cyber Essentials / Cyber Essentials Plus.

Policies & Procedures
Policies and procedures are very important to an organisation, as they set a standard for employees to follow. As an ISO 27001 company, we can help you create your own information security policies for compliance in line with global standards.

Vulnerability Scans
Vulnerability scanning is an inspection of a computer or network to identify security weaknesses (possibly outdated software, operating systems or configurations). We can offer onsite or remote scans to ensure your devices are secure.

Business Continuity
Business continuity planning is critical to an organisation to ensure it can recover and continue trading in the event of a disaster or cyber attack. We can help you develop a plan and perform simulations to prepare you if the worse happens.

Glossary

NCSC (National Cyber Security Centre)
Acts as a bridge between industry and the UK government, providing a unified source of advice, guidance and support on cyber security, including the management of cyber security incidents.

Phishing
When attackers attempt to trick users into doing 'the wrong thing', such as clicking a bad link that will download malware, or direct them to a dodgy website.

ICO (Information Commissioner's Office)
Upholds information rights in the public interest, promoting openness and data privacy for UK individuals.

BCP (Business Continuity Plan)
Is a system of prevention and recovery from potential threats to a company.

DR (Disaster Recovery)
An organisation's ability to restore access and functionality to IT infrastructure after a disaster event

Malware
Type of malicious software designed to harm or exploit any electronic device, service or network.

Firewall
A network security device that restricts traffic between the public internet and an organisation's private network.

Cloud
General term for anything that involves delivering hosted services over the internet (data storage, e-mails etc).

Hacker
Is an individual with technical computer skills who use their skills to breach cyber security defenses.

Vulnerability
Any weakness that exists in a system that can be used by a malicious person to compromise security.

ISO 27001
An information security standard created by the International Organisation for Standardisation.
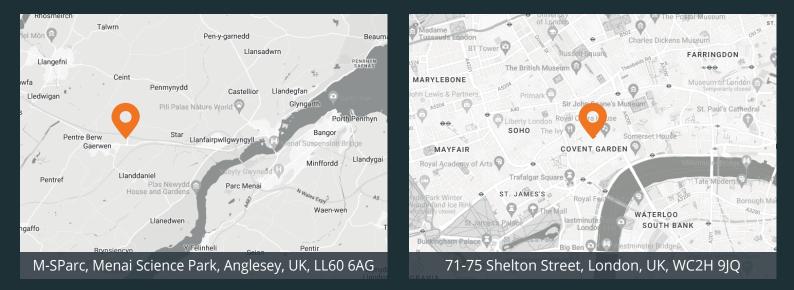
About Us

Jovasi Technology has been active in the cyber & information security sector for a number of years, and is an accredited Cyber Essentials certification body. We recently became one of the select few Assured Service Providers accredited by the UK National Cyber Security Centre, and our senior security consultant was selected in the first cohort of Cyber Advisors.

We are a Trusted Supplier with the Wales Cyber Resilience Centre and a core member of the Wales cyber security cluster. Our senior cyber security consultant is also a volunteer with the UK police forces, giving expert advice on ongoing cases and cyber awareness schemes. All staff and contractors working on sensitive & classified projects at Jovasi Technology Limited are subject to being UK security cleared.

We have worked with thousands of organisations from around the world, from micro companies to global enterprises to public bodies and charities, delivering a professional service for our customers.

Contact Us

Our registered address is located in central London, and we have a presence at the M-SParc Science Park on Anglesey, and an office located in the heart of Eryri in North Wales.

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You can contact us using several methods, and we are also on a variery of social media plaforms:

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