

modern
networks



network security audit





If you run a growing business, you already understand the importance of quality IT solutions to your company's efficiency and competitiveness. Your computer network is probably one of the most important assets your company owns. However, we seldom realise the true value of such an asset until something goes wrong.

Modern Networks provides IT and telecoms services to over a thousand commercial properties and hundreds of blue chip clients across the UK. Our Network Security Audit will analyse your network and identify vulnerabilities that could leave your organisation at risk of a business interruption. Depending on what we find, we will suggest ways to prevent unauthorised access, improve security, better manage sensitive data, and generally get more out of your existing IT infrastructure.

Today, digital transformation and cybersecurity are the two biggest challenges faced by every organisation, large and small.

Digital Transformation

Digital transformation is really business transformation. Today, technology is changing everything we do as both consumers and businesses. The old certainties and business models no longer apply. Some of the world's biggest brand names have found themselves displaced by aggressive start-ups using digital technologies to disrupt established markets. Technology is just a tool. Its sole purpose is to enable you to achieve your business goals whether that's driving down costs or building a better widget. Ultimately, only those firms able to harness IT to deliver real business value will survive and thrive in the new business landscape.

Cybersecurity

A consequence of the drive for digital transformation is the need for better data protection and cybersecurity. 40% of UK firms have suffered at least one data breach in the last 12 months. The most common form of breach was an employee unwittingly clicking on a malicious link within a fraudulent email (a phishing attack). Like the shockwave from an explosion, the outcome from a cyberattack can be far-reaching and extremely damaging. In recent years, firms such as payday lender Wonga, Tesco Bank and mobile phone operator Three have had thousands of customer records stolen, lost millions of pounds, seen share prices plummet, and found their brand reputations in tatters.

Too Little, Too Late

Incredibly, 44% of security breaches occur after vulnerabilities have been identified and solutions found. A report by BMC and Forbes Insights found that many months often elapse before identified security vulnerabilities are fixed, leaving organisations needlessly exposed.

3 Steps Forward

At Modern Networks we offer a simple 3 step process for getting the most from your computer network, business technology and ensuring better cybersecurity.



Step 1. Business Objectives

First, we use our proprietary process known as the Six Keys to get a complete understanding of your business needs, technical requirements and challenges you face.

Step 2. Network Security Audit

Perform quick, easy, non-intrusive network scans. Produce in-depth reports on the efficiency and security of your IT systems.

Step 3. Action Plan

Prepare a clear action plan based on identified gaps in your service and network vulnerabilities. We can also produce a longer-term strategic plan that helps you better align your IT with business objectives.



Our Network Security Audit generates a ton of useful information about everything connected to your IT network, and the overall condition of your environment.

Our data scans are non-invasive. There's absolutely no disruption to your business, and no-one need know an assessment has taken place until you're ready to share the results. The data we collect is fully encrypted and can only be unlocked by us to ensure your security and privacy.

Once our team of experienced network engineers and consultants have reviewed the data, we will prepare a detailed report of our findings and make recommendations based on industry norms and best practice. We also archive your scans for future reference and comparison. As well as our in-depth technical reports, we prepare a straightforward summary that highlights the greatest risks to your organisation, and a prioritised plan of action to tackle them.

A computer network is a dynamic environment and as such is constantly changing. Our Network Security Audit is a snapshot of your network status at the time of our scan. By running subsequent scans we can produce comparison reports that highlight anything that has changed, good or bad, over a given time period.

Any technical issues discovered by our audits can be instantly translated into service desk tickets for existing Modern Networks customers or we can plan remedial work for new clients. We can also offer ongoing reporting and regular business reviews to ensure your network is operating optimally and securely.



Cybercrime

Our Network Security Audit takes a long, hard look at how vulnerable your IT network is to internal and external threats. We examine permissions, user behaviours, passwords security, anti-virus, patch management, and take a deep dive into internal vulnerabilities.

Malware, phishing, SQL injection, brute force and denial-of-service (DoS) attacks are just some of the many cyber threats every business faces daily. Cybercrime cost UK businesses £35bn last year. Every day we read of another high profile cyberattack or major data breach. It's estimated that every 40 seconds another organisation becomes the victim of ransomware. However, amidst all the hype and scaremongering lurks an uncomfortable truth. Many organisations simply fail to take the most basic cybersecurity precautions.

Weak password policies, not removing ex-employees from your Active Directory, failing to patch or replace for known vulnerabilities, using shadow IT applications for business purposes, and opening suspicious emails are some of the most common reasons businesses fall victim to cybercrime. These are crimes of opportunity, like leaving the backdoor of your office building open.

There are too many ways that your network can be compromised to simply leave things to chance.

Internal Threats

Accidental, negligent, malicious data breaches
 Disgruntled employees – malicious damage
 Criminal employees – fraudulent behavior
 Bandwidth abuse – slowing critical systems
 Illegal pirated software downloads
 Improper use of Internet (gaming, pornography)
 Shadow IT – unsecured devices and applications

External Threats

Natural disasters and accidental damage
 Theft
 Terrorism
 Malicious email phishing attacks
 Malware, worms, viruses, Trojans, etc.
 Hacking
 Industrial espionage

Our Network Security Audit will provide you with an in-depth report on your network security risks, policies and permissions. Our audit includes:

Hardware:	Servers, workstations, printers, switches, routers. Old computers still connected to the domain & should be removed.
Software:	Systems missing patches/service packs/security updates. Local accounts (per-system) with weak/insecure passwords. Systems missing anti-virus, anti-spyware or firewall misconfiguration.
Configuration:	Security policy inconsistency across network servers/computers. Outbound system access that should be blocked. Lack of content filtering (social media, gaming, pornography, illegal downloads).
Accessibility:	Misconfiguration of user access to network shares. Detailed breakdown of AD security group membership.
Security Risks:	Old user accounts still have access & should be disabled/removed. Internal systems with open ports that pose a potential security risk. External issues that put your network at risk of business disruption or data loss.

Compliance

We can also run scans designed to identify where personal information such as social security numbers and credit card details are being held within your systems. This information can be used to help you ensure regulatory compliance.



Security Services

- Enterprise anti-virus
- Email protection
- Web content filtering
- Firewalls
- Patch management
- Segregated WiFi
- Backup & recovery solutions
- Advanced cyber-security solutions

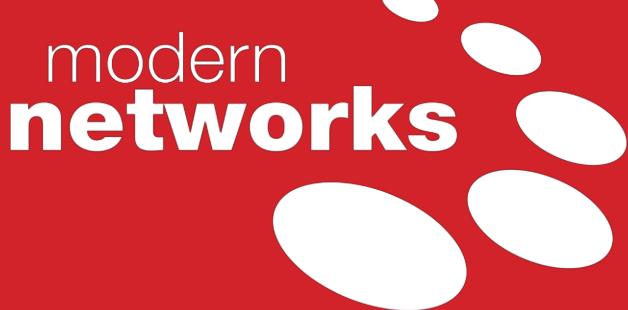
About Us

Modern Networks provides IT and telecoms as a managed service to over 1600 commercial properties across the UK and hundreds of enterprise clients. We provide everything from desktops-as-a-service, enterprise anti-virus, web content filtering, storage, backup and recovery to local area networks, VoIP telephony, unified communications, broadband and mobile solutions. All our services are fully managed, continually monitored and expertly supported by our UK Service Desk.

Contact Us

To learn more about getting the most from your IT infrastructure and ensure the security of your systems contact us now.





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