



Protecting your networks with BT's managed security services



New technology is changing the way people work. Businesses are more mobile and connected than ever before, supported by recent innovations such

as cloud computing, e-commerce, wi-fi, social networking, mobile applications, online file sharing and videoconferencing. And though an 'always on' society offers massive opportunities and benefits for organisations of all sizes – it also brings more risks



BT Assure
Security that matters



More applications, connections and devices make IT infrastructures more difficult, costly and time-consuming to protect. But it's not something that you can cut corners with. Cybercrime costs an estimated £80 billion a year globally, and there are new threats emerging all the time. You need to safeguard your organisation with proactive 24x7 monitoring, detection and response – without breaking the bank. This is where BT can help

The case for the defence

When we talk about security, we don't just mean viruses. You face concerted criminal attacks against your business. But it's a major challenge – not to mention cost – to recruit and retain high calibre security experts to keep up with an ever changing threat environment.

We know that network security presents complex challenges to most organisations. Providing round the clock response usually involves a significant investment in people and infrastructure, while no single product offers all the protection needed against all forms of attack.

But network security is core to our business and, because we can spread the costs over a global customer base, we can do it cost effectively for you. And we not only design, tailor and install solutions, we also constantly monitor them – protecting your company from both internal and external threats, 24/7.

Three steps to managed security services

We have a three layered approach to delivering managed security services to our customers. First, we ensure the technology basics are in place by providing you with the right hardware and software, configured correctly and working properly to specification. Next, detailed processes ensure that the devices are properly tuned and that your security policy rules are implemented smoothly and effectively.

Our service is capped by a layer of proactive threat monitoring and correlation, involving the careful analysis of security information generated by all the devices on your network. Our security analysts have years of experience to draw on, and can assess the information generated to weed out false alarms and pinpoint and deal with the real problems before they affect your business.

Our managed security services will help to improve the performance of your business by:

- Building confidence among stakeholders that their assets are safe
- Reducing costs with less downtime, disruption and risk, and lower total cost of ownership
- Freeing people to concentrate on core business activities
- Assuring compliance by having the right internal controls and risk management processes in place to meet legal and regulatory mandates
- Improving your ability to make informed decision





BT network security.

Many choices, one result

We have a portfolio of security products and services that work together to provide the very best protection, specifically tailored to your organisation's structure and business needs. We also manage and maintain the service for you so you retain overall control and visibility, without having to worry about the risks and complexities. This will help:

- **Free you to focus on core activities:** BT will select vendors, design solutions, manage software licences, and provide 24x7x365 support, all in line with security policies and strategies that remain under your full control
- **Protect against new and dynamic threats:** Working with leading vendors, we constantly monitor the ever changing global threat environment, so that we stay ahead of the problem and ensure you are always protected
- **Support flexibility and scalability:** Our service meets the needs of all sizes of organisation, globally – from those using simple internet links, through to large-scale WAN infrastructures
- **Centralise your security management:** With proactive monitoring of service availability and consistency of implementation, you have greater control, visibility and cost effectiveness.

Managed security services

BT Assure Managed Firewall

The first layer of our managed security services solution is the firewall. It protects the perimeter of your organisation's network at the point it meets the internet. The BT Assure Managed Firewall is monitored and updated 24/7. It filters out traffic that contravenes your security policy, controlling data flowing from one network to another and protecting specific areas, such as server farms. Many malicious acts are blocked at this level.

BT Assure Intrusion Prevention

The BT Assure Intrusion Prevention Service is the next layer of protection, guarding critical applications, data centres and internal systems.

It recognises threats – such as traffic originating from spyware hiding in legitimate users' computers – triggering an alert to warn of the event and, where appropriate, stopping this traffic before it can do any damage.

BT Assure Web Security

Sometimes threats are introduced by your own people, albeit unwittingly. Web and mail traffic typically passes unchallenged through most firewalls, so further protection is

needed. BT Assure Web Security provides secure and controlled access to the internet through dynamic URL filtering. This classifies any suspicious new site within seconds, preventing people from accessing it and introducing spyware or malware that could infect their computers. The service can also improve productivity by, for example, limiting the time or bandwidth available to people visiting non-business related sites. Even legitimate websites can harbour malware, so this service can optionally inspect web traffic (even if encrypted) to ensure no unwanted code is downloaded.

BT Assure Secure Mail Management

BT Assure Secure Mail Management delivers powerful email security, inspecting and filtering traffic before deciding whether to send or to block it. This helps to safeguard you from IT services downtime and restoration costs, confidentiality breaches, and loss of intellectual property. Spam accounts for around 80% of emails today; by removing these unwanted messages before they reach your network, we can help you free up IT resources for their intended use. In addition, we can encrypt your communications and archive your emails, helping you to meet regulatory requirements.

BT Assure Distributed Denial of Service Mitigation

Hackers can cause havoc on your website through a denial of service attack, where 'bots' installed on innocent computers are remotely controlled to bombard the website, making it crash or become inaccessible to legitimate visitors. Our BT Assure Distributed Denial of Service Mitigation service dynamically detects attacks and alerts our specialists at BT's Security Operations Centre. If it is an attack, the specialists can divert the offending traffic, freeing the site for genuine users.

BT Assure Threat Monitoring

Our device monitoring and real-time proactive response systems are central to our managed security services. A team of security experts, rigorous incident detection and response processes, and best-of-breed technologies work together to:

- Detect internal and external attacks on your network as they happen
- Halt attacks in their tracks before any damage is done
- Save you the costs of loss of valuable assets and operational downtime.

Secure Networking Quick Start

BT Quick Starts are short, structured, service-led engagements with customers, designed to get to the heart of business and technical challenges, and identify potential solutions. The Secure Networking Quick Start assesses your current security level against known vulnerabilities and best security practice, before offering advice and expertise on ways to improve or fix any weaknesses found including where appropriate, the deployment of managed security services from BT.



Why BT

Key role of human intelligence

Our philosophy is underpinned by a belief in the importance of human intelligence. No matter how advanced a technology, there will always be an attack that will get around it. This is where people enter the equation. No-one has more experienced and qualified security analysts who are able to recognise the bigger picture within the data than BT, and all our analysts are required to continue their education in network security during their tenure of employment.

Security Operations Centres (SOCs)

BT has a network of SOCs at different locations around the world, where customer devices are managed and monitored, and where our security analysts are on hand to provide real time support and response services to protect your networks. To provide the assurance of the highest quality of service, the SOCs are accredited and audited variously to SAS70, ISO 17799, and where appropriate to Government information assurance standards

Offices worldwide

The services described in this publication are subject to availability and may be modified from time to time. Services and equipment are provided subject to British Telecommunications plc's respective standard conditions of contract. Nothing in this publication forms any part of any contract.

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Breadth and depth of experience

Trust is one of the core values that drives BT's own business culture, and we believe it is fundamental to the choice of security partner for any organisation. We are one of the world's leading and most trusted security brands, derived from a set of credentials that have been earned over decades of experience in the field:

- We are one of the largest security and business continuity practices in the world, with over 1300 security professionals globally
- Our secure networking experience includes monitoring more than 100,000 customer devices from our Security Operations Centres around the world
- We have global analyst recognition for our achievement in delivering outstanding Managed Security Services globally to customers
- We invest millions of pounds in security-related research and development every year

To discover how BT can help protect your business, contact your BT account manager

