BT Assure Managed Firewall

Protect your organisation's private network by preventing unauthorised access from the Internet.

Control access to your organisation's resources

BT Assure Managed Firewall protects the perimeter of your organisation's private network at the point it meets the Internet. It enforces your security policy, allowing tightly controlled access from the Internet to your resources, according to your organisation's needs – for example, public web servers, remote access for your users, etc.

BT can provide essential protection for your network

BT provides a comprehensive range of offerings as part of its managed firewall service, from design and policy definition, through implementation, to full 24x7x365 proactive management, monitoring and reporting. The service is managed by highly specialised engineers and analysts in BT's accredited Security Operations Centres (SOCs). Our experts are security-cleared and have experience and accreditations in managing key vendor technologies.

Benefits include:

- **Focus on core organisational activities:** allow your organisation to concentrate on its core business, without needing to select vendors, design the solution, manage the software licences, and provide 24x7x365 support staff.

- **Supports disaster recovery and service availability:** our high-availability solutions will fit with your organisation's business continuity plans.

- **Industry-leading protection against new and dynamic threats:** BT works with best-in-class vendors. The solution is based on a choice of technologies: Check Point, Cisco or Juniper.

- **Scalability:** our highly scalable service can meet the needs of all sizes of organisation – from those using simple Internet links, through to large-scale WAN infrastructures.

- **Brand and reputation protection:** maintain the confidence of your customers, suppliers and partners, and avoid the risk of negative press by protecting your organisation's data.

- **Support regulatory compliance:** BT's service can provide centralised policy management and reporting, as well as directly support standards, such as Payment Card Industry (PCI). The service is managed by our trained, experienced, vendor-accredited and security-vetted operations teams.

- **Improved productivity:** reduce downtime and prevent unproductive applications from running on your network, e.g. peer-to-peer.

BT Assure

- **Simplified security administration:** reduce the need to recruit and retain specialist IT staff. BT's security specialists have expertise in the latest technologies and provide 24x7x365 cover.

- **Maintain ownership of your security policy:** you remain in control of your security policy, with BT assisting you in defining it, and ensuring it is expertly implemented and maintained.

- **Proactive and centralised security management:** our service enables centralised proactive monitoring of service availability and consistency of implementation.

- **Global reach with local presence:** BT and our chosen partners have global coverage to support your organisation. Latest coverage available on request.

- **BT Hosted options**: BT has options for your service to be hosted in one of its Data Centres, hence avoiding need for rack space, power etc. It also brings opportunities to avoid your organisation's Internet-bound traffic from having to hub through one of your sites.

- **Professional Services:** providing technical consultants on an "as needed" basis, thus complementing your organisation's in-house skills and providing analysis and design expertise which will optimise the performance of your solution.

BT provides expertise and 24x7x365 cover, so you don't have to

BT Assure Managed Firewall can provide a number of advantages over and above the typical in-house or DIY firewall implementations.

- **Optimised policy configuration:** our experts specialise in firewall configuration and will implement best-practice approaches for security and technical performance. Firewalls are proactively tested as further assurance of security, both on set-up and following in-life changes.

- **Network configuration**: our firewall service will support multiple DMZs ("De-Militarised Zones") to best-protect key applications, such as Internet-facing web servers. It will also provide a range of IPSec VPN options to enable fully secure communications over the Internet, for example with your firewalls on other sites to create a private network, or to provide inbound remote access.

- **Service installation:** BT can deploy complex solutions on your sites anywhere in the world, with full project management and service commissioning.

Our service includes expert deployment and is tailored to match your organisation's specific requirements.

- **Service management:** BT's accredited security team will proactively manage your firewalls 24x7x365. Our management processes include in-life policy updates and application patches. We manage and maintain the service for you.

- **Onsite support:** BT's IT support partners can provide onsite attendance around the world, to replace faulty equipment and restore service within hours.

- **Reporting:** detailed reports can be accessed through a secure customer portal, providing information on system health and threat activity. These can be used to analyse user activity and provide assurance of hacking prevention.

- **Vendor relationships:** BT has strategic relationships with key vendors, enabling competitive pricing and the best support.

- **Flexible and scaleable offerings:** we offer a range of scaleable, hosted or customer-premise solutions, designed to meet your organisation's full range of requirements.

- **Service resilience and reliability:** our resilient solutions help protect against prolonged service downtime. This offers you and your customers peace of mind, freeing your organisation to focus on its core business activities.

Firewall technology:

BT Assure Managed Firewall uses technology from either Cisco, Check Point or Juniper. The service is based on dedicated hardware appliances that are specifically designed for this, in order to provide the most stable and secure solution.

The service protects your private network from Internet-sourced threats. Hackers download routinely available software and then scan organisations' networks for vulnerabilities. It is then a short step for them to exploit any vulnerabilities they detect - for example, by launching a Denial of Service (DOS) attack on your organisation's web servers, or accessing/compromising sensitive online information, such as your customers' data. Expertise and constant vigilance are required to avoid this.

BT recognises that organisations cannot simply avoid all contact with the Internet - a balance is required so that the benefits can be realised whilst the risks are mitigated. To this end, great care is taken to understand your organisation's business requirements and ensure these are implemented as best-practice configuration. By understanding both what is required and the nature of the necessary applications, BT can define access permissions tightly and accurately.

Key areas of firewall functionality include:

- **Point-to-point VPNs:** to establish fully-secure connectivity between your organisation's sites over the Internet; where this is a more appropriate networking option for your organisation than dedicated private network connectivity.

- **Remote** Access VPNs: to provide access for your organisation's users whilst they are away-from-base, to defined resources on your network. BT will interface with your authentication methodology – e.g. Radius, Active Directory.

- **DMZs (De-Militarised Zones):** provide the best security for key applications, enabling them to be accessible from the Internet under tightly-defined conditions, whilst denying access from the Internet to other resources on your network.

Other BT services

BT Assure Managed Firewall can be used in combination with other BT's other BT Assure services, including:

- BT Assure Web Security
- BT Assure MessageScan

Together, these provide a comprehensive, layered security approach.

Is it suitable for me?

Assure Managed Firewall can benefit organisations who:

- Have complex technical requirements, such as resilience.
- Desire flexibility in policies, configuration, capacity and/or users.
- Have a heavy dependence on service availability and require 24x7x365 response.
- Would like a single point of contact to provide network services.
- Need to interface with a range of security vendors.
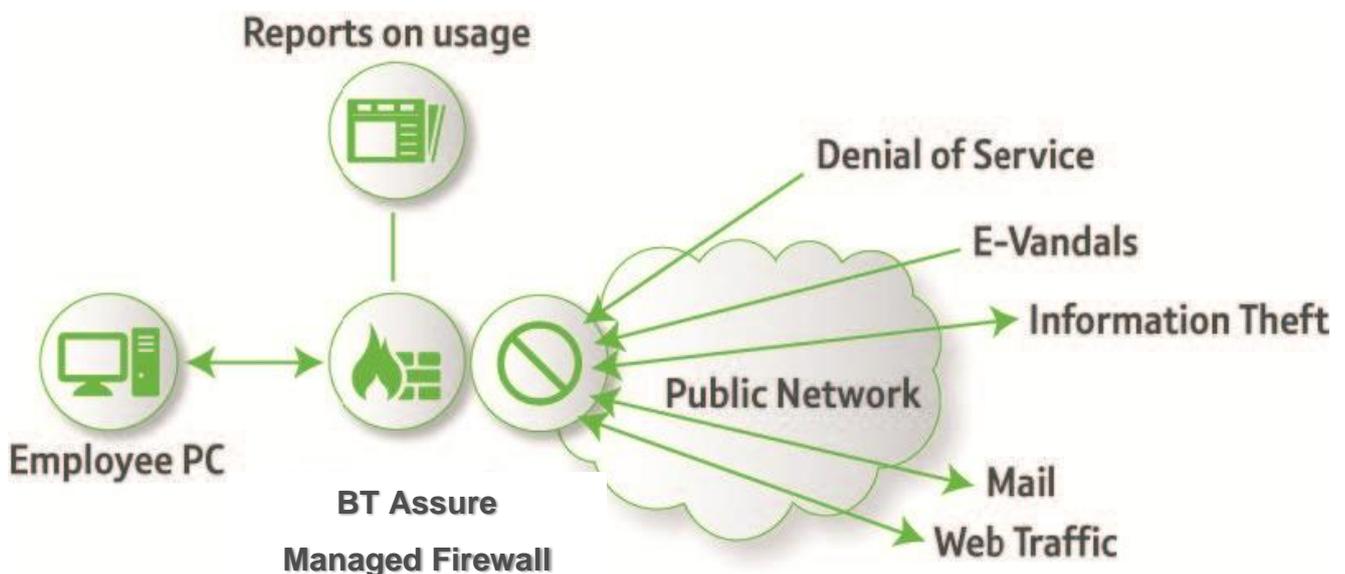
Applications

As an integral part of its offering, BT Assure Managed Firewall includes:

- IPSec Virtual Private Networks (VPNs), user remote access, and firewall-to-firewall options.
- Configuration and support for DMZs.
- Resilience options.
- Firewall add-on features, like intrusion prevention, where appropriate.

Why BT

When it comes to security, there is no room to take risks. BT has over a decade of experience in providing Managed Security Services (MSS) to a wide range of global clients.

BT's credentials are based upon knowledge, experience and thought leadership.

Truly comprehensive security solutions, offering:

- Integration with other security components to provide "defence -in-depth" solutions.
- Integration with BT's network service capabilities to provide an end-to-end solution.

Secure networking experience:

- BT has 1000 plus Security customers globally.
- Managing or monitoring of over 300,000 devices globally.

Excellence in Security Operations Centres (SOCs):

- 11 global SOCs operated by BT security-cleared staff.
- Secure and resilient physical premises.
- Centralised monitoring and management platform with full audit capability, providing leading diagnostic, monitoring and reporting capabilities.
- ISO27001 IT Security management accreditation.
- High levels of vendor technology accreditation and experience.
- 24x7x365 global coverage.

BT has one of the largest dedicated security and business continuity practices in the world:

- In excess of 1300 practitioners.
- BT has a Computer Emergency Response Team (CERT) to monitor and respond to global threat alerts. BT's global CERT shares information with all
- SOCs to assess the risk to our customers.
- BT is also an active member of FIRST (Forum of Incident Response & Security Teams).

We invest millions in security-related R & D each year:

- BT has 100 registered patents and 190 published security papers.

Best-of-breed acquisitions to enhance security capabilities, including:

- Counterpane, Infonet, Radianz, Albacom, Frontline, Cybernetworks, iNet and INS.

BT

Offices worldwide

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