

Global Frame Relay with Customised Networking Options

With multinationals facing an increasing number of business challenges, choosing a global network solutions provider that can meet network demands is an increasingly important decision. One-size-fits-all frame relay is not cost-effective for transporting today's heterogeneous mixture of mission-critical, mission-supporting and mission-enabling traffic. In addition, it is important to understand the differing demands that specific types of applications, protocols and traffic place on the WAN in order to optimise a global network environment.

Network Services

Benefits of BT Infonet's Global Frame Relay with Customised Networking Options (CNOs):

- Reduced network costs
- Improved network performance
- Maximised networking flexibility

Global Frame Relay — Meeting the Needs of Enterprise Corporations

BT Infonet's Global Frame Relay (GFR) service operates on BT Infonet's The World Network® and provides a fully-managed end-to-end service. Included in this service is network design, site-to-site provisioning, ongoing network monitoring and maintenance in over 70 countries. Furthermore, BT Infonet's Global Frame Relay service is significantly different from conventional 'one size fits all' frame relay services offered by other providers.

Unlike IP-based services, Frame Relay delivers deterministic, predictable network performance. With BT Infonet GFR, multinational corporations (MNCs) have access to an application-based, customised frame relay network that provides assigned levels of prioritisation and, consequently, classes of service backed by strong service level agreements (SLAs). By customising your network to your specific business and application needs, you can maximise the return on investment (ROI) of your application software. BT Infonet's Options (CNOs) were designed to meet the growing needs of MNCs for



class of service flexibility over WANs, particularly for applications and locations with varying traffic priorities.

BT Infonet's CNOs give you the ability to assign class of service (CoS) levels to your frame relay traffic. As a result, application performance is optimised by prioritising data traffic of both mission-critical and mission-enabling applications. Expensive and typically high priority software programs, such as enterprise resource planning (ERP) applications, customer relationship management (CRM) and supply chain management (SCM), are routed over Private Circuits (PVCs) designed to accommodate higher throughput and less jitter and delay. Less delay-intensive applications are routed according to the priority of data they are transmitting.

Based on your business needs, you can select a different CNO for each application operating between site pairs. This gives you the opportunity to create application overlay networks within your Global Frame Relay Virtual Private Network (VPN), addressing the three primary concerns about today's increasingly strategic global enterprise networks :

- Optimising the global WAN price/performance equation
- Addressing the ever-increasing amount of bandwidth being required by WAN applications
- Regaining control over LAN bandwidth utilisation

Unique Engineering Creates Customised Networking Options

BT Infonet's Global Frame Relay network is uniquely engineered to individually configure each port and PVC, based on four Customised Networking Options' variables:

- **Latency (response time)** – Your choice of the lowest latency for the best response time and medium latency for good response time.
- **Jitter (variation in delay)** – You choose between low (for the least possible variance in delay between nodes sending and receiving frames on a specific PVC) and medium (for the next lowest variance in response time between nodes sending and receiving frames.)
- **Throughput (data delivery rate)** – Your choice of three PVC performance levels determined by the impact of network congestion; high for the highest rate for non-discarded eligible packets from ingress to egress port; medium for the next highest amount of non-discarded packets and low for those applications least sensitive to throughput.
- **Burst Allowance (sustained throughput)** – You choose between high for the PVC to be least impacted by network congestion as a result of full line/port utilisation; medium for the configuration to be affected by network congestion before those applications with high burst allowance and low for the first PVC to be impacted by network congestion and least able to sustain burst to full line/port speed during congestion.



A full range of Committed Information Rates (CIR) is deliverable for each of these solutions:

- **VC/interactive** — Designed for priority mission-critical applications such as ERP, CRM, SCM and legacy SNA applications that are highly interactive and require the lowest possible network latency and variation in latency.
- **VC/Lan2Lan** — Designed for mission-enabling applications that require excellent performance and throughput yet have less sensitivity to network latency such as intranet applications, ERP print queues, knowledge management and collaborative applications.
- **VC/access** — Designed for mission-supporting applications that are the least sensitive to delay and throughput such as email and Web browsing.

As the first global service provider to offer frame relay Class of Service (CoS), BT Infonet has over five years of experience implementing application-specific GFR VPNs. Based on its award-winning and patent-pending Network Analysis Program (NAP), BT Infonet has acquired an exclusive base of knowledge on how leading enterprise application suites perform on the Global Frame Relay networks. This experience and expertise uniquely enables BT Infonet to design, implement and operate GFR VPNs in support of enterprise application deployments.

For more information about Global Frame Relay with Customised Networking Options, contact your local BT Alliance Representatives or visit us at www.bt-alliance.com.



About BT Alliance

BT Alliance is a partner programme which supports BT Global Services in the selling, distribution and support of a range of products and services from across the BT portfolios.

Known for quality of service, BT Alliance partners are leading providers of managed network communications services for multinational entities. Being a customer of a BT Alliance partner gives you confidence that you are dealing with a recognised, certified partner who can provide you with best in class products provided by BT Alliance and supported by trained staff.

Working with BT Alliance partners, customers have access to a comprehensive BT portfolio given that BT's partners take advantage of BT's large and significant annual investment in R&D to bring the right product to market at the right time and price.

Customers can be assured that their local and global needs are taken into account, as BT Alliance partners not only partner with BT but with each other.

For more information about BT Global Services and the BT Global Services Product and Solutions portfolio, please visit www.btglobalservices.com.

Additional information about BT Group plc is available at www.bt.com/aboutbt.

BT Alliance

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