

BT Infonet ENX Service

In the automotive industry the car manufacturing supply chain requires high quality secure connections for applications handling, ordering, file transfer, finance, CAD/CAM and messaging. The ENX Association has defined one multi-provider service to replace the multitude of costly proprietary telecom systems that had developed over time. Today, over 500 companies with 3000+ bilateral interconnections utilise this cohesive network.

And BT Infonet, as an ENX®Certified Service Provider, can connect you to this network utilising our award-winning and highly resilient MPLS VPN service. By combining the standards of a VPN with the ENX defined service, BT Infonet provides a high quality, cost effective solution in over 57 countries.

Internet Services

BT Infonet's ENX Service delivers the following features and benefits to enterprises:

- Reduced costs
- Increased flexibility and scalability
- High level of security
- Increased availability and reliability
- Global reach with local support

Connect to the ENX Community

One ENX standardised connection joins an enterprise to the ENX extranet community and all member car manufacturers and suppliers. Benefit from the reduced costs and hassles of dealing with multiple proprietary systems and protocols to connect with various business partners.

BT Infonet's ENX service is enabled by a fully secure MPLS VPN so that communication takes place to only selected business partners through an encrypted IPSec tunnel.

A Mature VPN Service Provides Quality and Security

VPNs can vary in features and quality levels, but BT Infonet's ENX service utilises our flagship service, IP VPN Secure. IP VPN Secure connects enterprises in over 57 countries through a MPLS network and is backed by well established Service Level Agreements with Web based reporting tools and five Classes of Services, including for voice and video.



The Benefits of a BT Infonet ENX Connection

Used by thousands of clients to power their enterprise-wide global communications initiatives, BT Infonet combines the strength of its consultative approach and integration capabilities with a comprehensive portfolio of network-based services to provide “one source” solutions.

- **Reduced Costs**

Replacing a variety of legacy systems with one ENX connection already leads to a substantial cost reduction. Further cost savings are possible with BT Infonet’s “shared access” solution with which the ENX service is implemented on top of an already existing IP VPN Secure connection. There is no need for a separate access line and separate network port.

- **Increased Flexibility and Scalability**

The automotive market is a fast changing environment. Business partners come and go so each ENX user requires full control over every single connection. The combination of MPLS and IPSec technologies allows for fast implementation of changes in the network. Opening a new



communication channel to a new business partner only requires the configuration of an additional IPSec tunnel.

- **High Level of Security**

An enterprise’s inter-company connections are secured on a private IP network which isolates the connection from other users on the network and can not be accessed from the Internet. Additional security is provided through encrypted IPSec tunnelling and digital certificates as part of a Public Key Infrastructure to achieve the required authentication on both ends of the encrypted tunnel.

- **Increased Availability and Reliability**

Always available communication between suppliers and customers is crucial to meeting business objectives. BT Infonet added the ENX service as a feature on a mature and reliable MPLS service with built-in redundancy, resiliency and inherent self-healing properties. These network characteristics enable BT Infonet to offer aggressive Service Level Agreements to back performance. A real time Web based reporting service provides performance details of the ENX site-to-site connection.

- **Global Reach With Local Support**

Automotive companies are spreading out over many continents and countries and require ubiquitous and consistent telecom services everywhere. The BT Infonet ENX service is offered in all countries with an IP VPN Secure node, utilising the same technology, customer support, operational management and maintenance processes in every country. Service Level Guarantees may differ due to the distance between two communication partners.

Key Characteristics of the BT Infonet ENX

Global Coverage	The service is available in 57 countries
Local Support	The regular BT Infonet client support entities and processes are available in all countries. The local language, as well as English, can be used to discuss requirements, order changes and answer questions. All local operational Infonet employees use the same automated tools to manage the network and report problems.
MPLS VPN	All ENX traffic is separated from regular IP VPN Secure traffic using MPLS technology and RFC2547bis standards based VPN privacy.
IPSec Security	Additional security is achieved by creating end-to-end IPSec encrypted tunnels between two communicating trading partners.
PKI Authentication	The IPSec tunnel endpoint devices at Trading Partner premises (CPE routers) are authenticated using digital certificates from a public Certification Authority i.e. T-Telesec.
Service Level Agreements	The regular IP VPN Secure IP/Access guarantees apply for availability, latency, packet loss and also for installation and time-to-repair.
Web Based Reporting	Real-time performance reporting end-to-end and/or edge-to-edge (in the network) are available via my.infonet.com.
Domain Name Service	The BT Infonet ENX DNS service is interconnected with similar DNS servers of other CSPs and allows IP address lookup.
Three Access Options	There are three options to connect an ENX site to the ENX network: 1. A stand-alone option with a dedicated access line, CPE router and network port 2. A stand-alone option using DSL services 3. A "shared access line" option
Shared Access Line	The "shared access line" solution adds the ENX service to an existing VPN using the existing access line, CPE router and network port. For the shared solution a specific multi-VRF network technology is applied to securely separate ENX traffic from other traffic.

Join the ENX Communication Network

Begin communicating with your trading partners via the ENX service by taking the following steps:

- *Register with the ENX Association*

An ENX registration number can be obtained within a few days via www.enxo.com

- Order BT Infonet's ENX service (enx@infonet.com)

A local BT Alliance representative will consult with you to design the optimal solution for your enterprise's unique requirements. The BT Infonet implementation and project organisation will order the access line (if required) and install and configure an IPSec router at your premises. The IPSec router is equipped with an ENX digital certificate.

- *Establish Communication With Each Trading Partner*

Each ENX user must agree with each Trading Partner that the ENX service will be used, and then both parties must submit a request to their ENX Certified Service Provider to establish a secure, encrypted tunnel. BT Infonet will configure the IPSec tunnel while the ENX user retains control over the establishment of each communication channel with individual partners.

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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