IP-MPLS

IP – MPLS (Multiprotocol Label Switching) under FLAG's connectivity business is a service where FLAG provides MPLS IP connectivity over a highly resilient network across the globe. In such a setup, the responsibility for configuring, monitoring, maintaining and routing lies with the customer.

Key Features of FLAG's MPLS

1. Global Reach

Extensive Coverage:

We provide MPLS services globally using our own cable systems viz. FA-1, FEA, FNAL, HAWK and FALCON coupled with other diverse partner cable paths, making it easier for MNCs [Multinational Companies] and data centres to connect their offices or data centres around the world under a single network provider.

2. Reliable and Consistent Performance

Guaranteed Bandwidth:

FLAG MPLS allows for dedicated bandwidth allocation, ensuring that critical applications have the necessary resources.

Low Latency and Jitter:

Based on business requirements FLAG can provide low-latency paths, essential for real-time applications like VoIP and video conferencing.

High Availability:

With multiple owned cable systems coupled with other diverse cable paths across the globe we provide redundant paths for customer reachability, ensuring high uptime and reliability.

3. Quality of Service (QoS)

Traffic Prioritisation:

FLAG MPLS supports QoS, allowing customers to prioritise different types of traffic (e.g., voice, video, and data), ensuring that the most critical services receive priority treatment.

Service Level Agreements (SLAs):

We offer SLAs that guarantee specific performance levels, such as uptime, latency, and packet loss, providing customers with peace of mind.

4. Scalability

Flexible Network Expansion:

FLAG MPLS supports customers need to scale for accommodating growing business needs, whether adding new sites or increasing bandwidth.

5. Enhanced Security

Traffic Segregation:

FLAG MPLS segregates traffic between different customers, ensuring that each customer's data is isolated and secure.

Private Network:

As MPLS often operates over a private network, MPLS services provides an additional layer of security compared to the public internet.

Use Cases

1. **Content Distribution Networks [CDN]:**
   For CDNs requiring data to be replicated or distributed across their international data centre nodes reliably.

2. **Data Centre Interconnect:**
   For Enterprises with multiple data nodes at various International data centres for large number of servers needing connectivity to other data centres servers and also end-users accessing them.

3. **Large Enterprise networks:**
   Enterprises with high bandwidth requirements for connecting their international nodes and end-users.

FLAG's IP- MPLS is a good option for organisations that have the technical resources to manage their network infrastructure and want more control over their MPLS setup.