Shuttle facilitates business transformation with DYXnet MPLS network solutions

Industry
Manufacturing Industry

Customer Needs
- Set up a private network to maintain call quality for its video and voice meetings across multiple sites
- Apply for the company intranet ERP system and e-forms
- Ensuring the stability and privacy of the transmission of video, voice, and data

Solution
DYXnet MPLS Network Solution

Core Benefits
- Full mesh architecture and backup mechanism to maintain communication stability
- One-stop service to simplify operational flows
- Enabled Quality of Service (QoS)
- Data encrypted to ensure security

Customer Quote
"Video conference has become an indispensable tool for business communication as evidenced by our fully booked video conference rooms. As a company that values its brand image, we have chosen DYXnet's cost-effective private network service to ensure video conferencing quality. Based on its frequent use and benefits, the investment on a private network and video equipment has great return."

Manager, Shuttle Information Centre of Shuttle Inc.

About Shuttle Inc.
Shuttle Inc. is the world's first small form factor computer producer headquartered in Taiwan. Since 2010, Shuttle has entered the notebook ODM market and has reached an outstanding annual sales of over 1 million units of notebook computer. In recent years, Shuttle has gradually expanded into the areas of software and hardware integration and Cloud technology. Their products/solutions include digital signage, facial recognition, KIOSK, industrial PC and IoT integration design.

Business Challenge
Shuttle is undergoing business transformation to keep up with the market trends. Its IT department therefore needs to rebuild its infrastructure from software, hardware to network for different business entities to improve communication efficiency.

With more frequent usage of the ERP system and e-forms, and the increasing demand for video communication between cross-border locations or departments, whether the company can ensure privacy and stability in face of large data transmission poses a daunting challenge for the IT department.

Tailor-made Comprehensive Planning
DYXnet has tailored a MPLS network that meets Shuttle's needs for multiple-cross border data transmission by connecting Shuttle's Taiwan headquarters, its IDC and offices in Kunshanand Shenzhen. By doing so, it eliminates the drawback of traditional routing base which requires the examination of IP header; it can also speed up packet processing to allow various applications such as data, voice, and video and also supporting quality assurance mechanisms such as service-level guarantee and application priority.

Shuttle has adopted DYXnet's VoIP and ONE VC solutions for its MPLS network, and enhance communication efficiency across borders through multi point video conferencing equipment.

Adopting a MPLS network is similar to creating one or more secure channels on a closed network. Special labels can be added to channels of different application so the virtual networks of different data streams can be separated and prevent hackers from accessing the secured channel. This feature is particularly suitable for companies like Shuttle, which conduct frequent cross-border meetings and has a widely used ERP system, in protecting it confidential business information.

DYXnet's solution advantages - MPLS Network

- **Highly stable network**
  With signal quality being the key to a smooth network conference, DYXnet's MPLS backbone network has a full mesh architecture and a multi-route backup mechanism to maintain signal stability, as well as enables Quality of Service (QoS). Even multiple video conferences are held simultaneously, there would be rarely blurred images or delay, ensuring smooth communication in meetings.

- **Data encrypted to ensure security**
  The company's computers or communication devices that are connected to the MPLS network can access the data of the company's internal system. A complete isolation of the Internet through physical cables helps achieve more stable data transmission and effectively prevents attacks from hackers and network viruses.

- **One-stop management service**
  Riding on the single-connection feature of MPLS network, the branch networks of an enterprise can be managed and coordinated. DYXnet provides professional single point-of-contact service ranging from corporate intranet and extranet network planning to project implementation, and maintenance, so that it can manage all the network nodes of an enterprise and coordinate cross-border networks at ease.

Why DYXnet?

While there are plenty of Type I and Type II telecom operators offering MPLS service in the market, not only does DYXnet offer its services at a competitive price, its self-established server in Mainland China and extensive coverage of private network client sites have gained the trust of Shuttle.

Over the 10 years of partnership, DYXnet has been providing Shuttle with single point-of-contact service from sales team to engineers so that the DYXnet teams have developed a thorough understanding of Shuttle's network infrastructure. With a strong rapport between both parties, the network maintenance service quality can be best optimized.

In recent years, Shuttle has successfully stepped away from the role of designer and manufacturer of computer hardware and re-positioned itself as a smart system manufacturer. In the future, Shuttle will continue to adopt DYXnet's MPLS network service to execute digital transformation, providing customers with more user-friendly products and solutions.

About DYXnet

DYXnet believe technology is the key to unlock new possibilities and opportunities for businesses. Since our founding in 1999, DYXnet has empowered enterprises to drive business growth with ICT innovations. We are committed to provide solutions for our customers through disruptive technologies and services including enterprise network solutions like MPLS and SD-WAN, cloud solutions and data centre services.
DYXnet strive to strengthen our dominant position in Hong Kong and the Asia Pacific region. Among the first ICT service providers in the region to have obtained ISO certifications including ISO/IEC 27001, ISO/IEC 20000 1, and ISO 9001, we are also one of the first official members of the China Cross border Data Telecommunications Industry Alliance and one of the first SD WAN service standard drafting units.
For more information about DYXnet, please visit www.dyxnet.com.

Together We Empower the Future