DYXnet SD-WAN Solution
Simplify your WAN management, Reduce network costs

Challenges of Cross-domain Network

Increased demand for data traffic

The adoption of software as a service and cloud computing has increased the demand in network bandwidth, and the traditional network architecture is vulnerable in carrying the data transmission of each branch.

Complex enterprise network architecture

The fragmented Internet increases the complexity of enterprise operations, and the cross-domain communication requirements within the enterprise, such as ERP, video conferencing, and large-scale image file transmission, also deepen the difficulty of network domain construction.
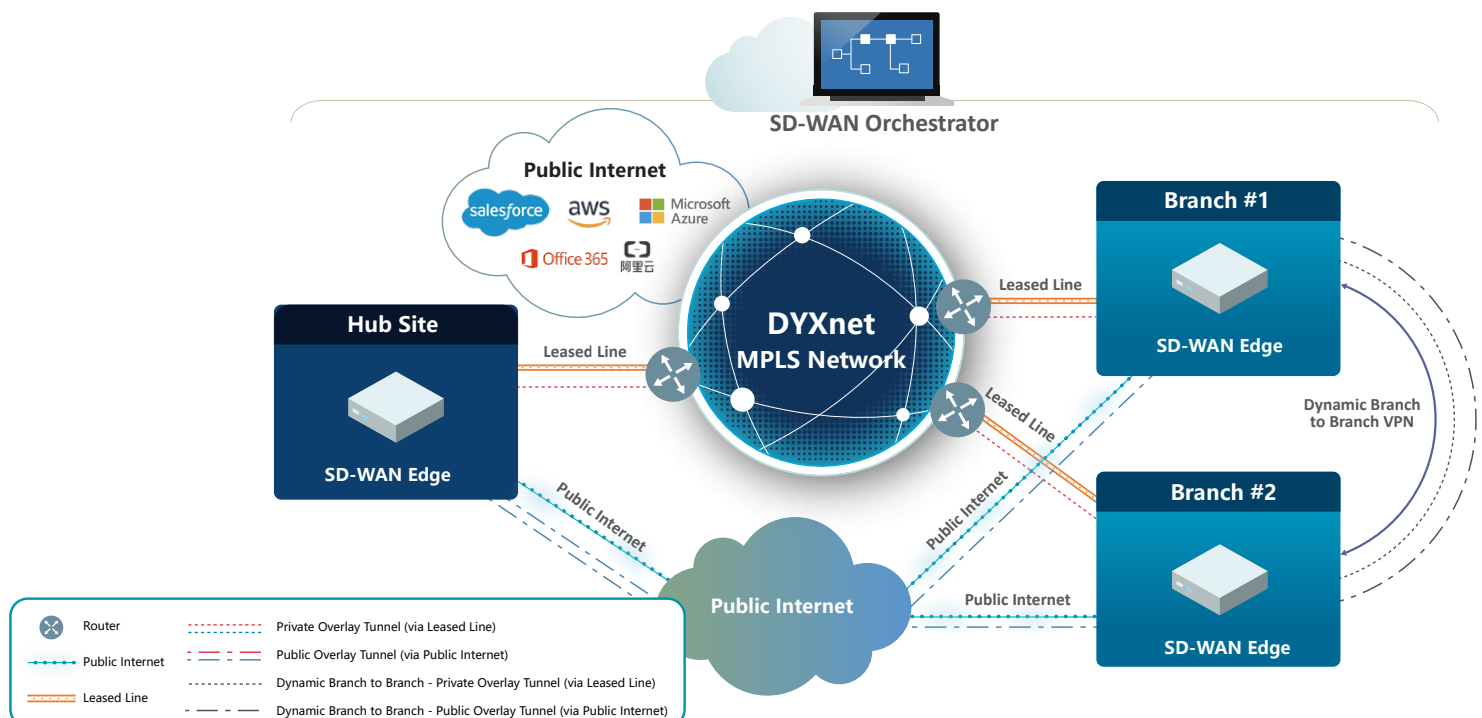
Inaccurate cost estimation

The traditional configuration of internal network transmission in each branch inevitably increases operation cost such as bandwidth costs, IT resources, equipment deployment, control and maintenance.

Lack of centralized control portal

All sites need to implement centralized monitoring and management, which enable you to access real-time operation status, speeding up the inspection process for root cause of network failure and prevent unalterable accidents.

Solution Highlights :

SD-WAN Orchestrator

Public Internet
salesforce | aws | Microsoft Azure
Office 365 | 阿里云

DYXnet MPLS Network

Hub Site — SD-WAN Edge

Branch #1 — SD-WAN Edge

Branch #2 — SD-WAN Edge

Leased Line

Public Internet

Dynamic Branch to Branch VPN

	Legend		
⊗	Router	Private Overlay Tunnel (via Leased Line)	
	Public Internet	Public Overlay Tunnel (via Public Internet)	
	Leased Line	Dynamic Branch to Branch - Private Overlay Tunnel (via Leased Line)	
		Dynamic Branch to Branch - Public Overlay Tunnel (via Public Internet)	

How DYXnet SD-WAN works :

Zero Touch Deployment

SD-WAN Edge can be used at a branch office by a non-technical person who simply needs to plug into a power source and connect to WAN-link cables. Activation, configuration, ongoing operation and management are all handled remotely by an orchestrator. The process of provisioning is simple and can be accomplished in minutes.

Enhanced Enterprise Network Security

Built on our robust and expansive MPLS backbone, DYXnet's SD-WAN makes use of dynamic multi-path optimization technology to establish a virtual transmission through a private network. It also separates the control plane from the data plane and centralizes the control to an orchestrator forming a private network within the IP network and adopts centralized policies to govern the way operations are run. On top of that, with the encryption of highest-level AES-256 and integration with MPLS, it has a greater security and reliability compare to running in the internet environment.

Intelligent Operation and Maintenance

DYXnet's SD-WAN service offers a comprehensive, single-pane-of-glass management platform for provisioning, monitoring and troubleshooting, and network quality is improved with the dynamic multi-path optimization technology. Greater visibility and analytics show how the network is performing. It also indicates what kind of traffic and applications are being transmitted at any one time. Additionally, detailed logging and native utilities are provided to facilitate troubleshooting and diagnostics.

Optimize Application Performance

WAN circuits used with SD-WAN circuits optimize themselves automatically via a process of continuous monitoring of links, quality network paths, as well as the network capacity. Applications can be recognized and steered dynamically on a per-packet base to optimal links - all according to business priorities, knowledge of application requirements and real-time link performance. Additionally, an on-demand remediation mechanism can be applied to benefit priority applications in the event of link degradation.

Maximize Bandwidth Utilization

Running an SD-WAN network structure means all available links, either inexpensive WAN or superior MPLS, can be aggregated to make bandwidth capacity available according to policy, while running an active-active traffic flow pattern. This makes the SD-WAN network model much more feasible than a traditional active standby network model.

Why DYXnet :

- An industry leader with more than 20 years of experience, deeply involved in the enterprise network market in mainland China, Taiwan, and Hong Kong.
- Extensive services and network PoPs with coverage in Southeast Asia, Europe and the United States.
- 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.
- Obtained the "SD-WAN Ready Certificate" under the test program initiated by the Committee on SDN/NFV/AI Standards and Industry Promotion (CCSA TC610) in China.
- Among the first group of ISO certified ICT Service Providers in Greater China
- Providing 24x7 hotline technical support, comprehensive network monitoring, management, and reporting in Mainland China, Hong Kong and Taiwan
- Proven track record of success- customers including China State Construction International, Asia Pacific Cargo (APC), Gogoro, Cashbox and many more.

DYXnet by NEOLINK

互聯一線 賦能未來
Together We Empower the Future

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