AppEx CloudWAN
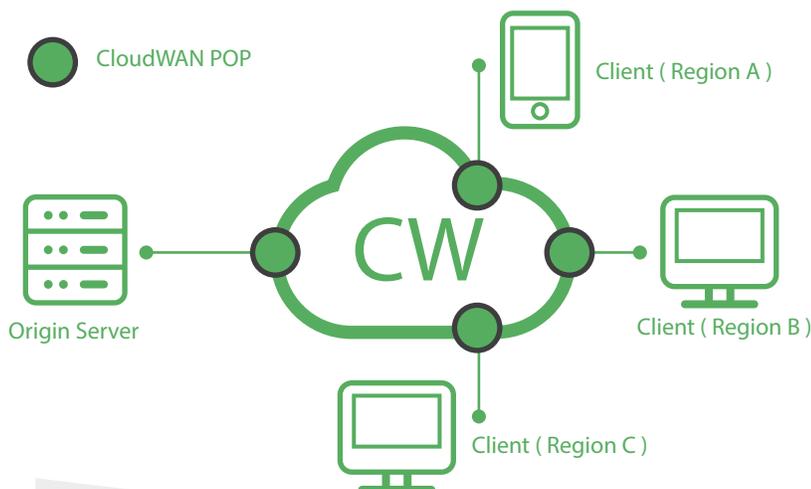## Application Delivery Optimization Solution

APPEX
Networks

Challenges

Currently, more and more centralized-hosted application service providers are concerned about the "slowness & disconnection" complaints from their end users. Typically, their application servers are hosted in public Internet and rely on public Internet to deliver the services to their end users. However, the public Internet cannot guarantee reliable data delivery in high traffic situations due to its inherent throughput bottleneck evidenced by increased and unstable packet loss and latency during these periods and the "slowness & disconnection" issues become worse over cross-border public Internet. To tackle these issues, application service providers are traditionally required to purchase an IPLC (International Private Leased Circuit) or a MPLS service to improve application performance. However, IPLC and MPLS are so costly that customers are unwilling to use these optimization solutions for a long term.

Solution

AppEx CloudWAN Application Delivery Solution combines all the best things about "Software-Defined WAN" (SD-WAN) and AppEx ZetaTCP acceleration technology to optimize application delivery around the world. This significantly improves application performance and overall user experience. Meanwhile, CloudWAN core network is built on public Internet, which dramatically reduces the cost of optimization service and giving the customer more flexibility. AppEx CloudWAN Application Delivery Optimization Solution has been tested and proven in numerous customer implementations.

Logical Topology - AppEx CloudWAN Application Delivery Optimization Solution

- CloudWAN POP
- Client (Region A)
- CW
- Origin Server
- Client (Region B)
- Client (Region C)

Benefits

Advanced App Acceleration
- High-Performance data transport tunnel (RTT) over premium Internet inks
- Acceleration for all TCP&UDP traffic in middle mile
- Acceleration for all TCP traffic in last mile.
- Over 270 POPs to reach every corner of the world

Reliable End-to-End App Delivery
- High-Redundancy core & access network over premium Internet links

End-to-End Transparency
- Leverage CNAME and DNS resolution to redirect traffic

Secure App Delivery
- Edge-to-Edge data encryption
- Support multiple security strategies

Rapid Deployment
- Deploy network connectivity in less than 24 hours

Cost Saving
- 50% cost saving compared to legacy MPLS/IPLC solutions

High-Quality Service
- Guaranteed subscribed CloudWAN bandwidth at all regions.
- 24/7 technical support by AppEx professional operation team
- Guaranteed SLA of 99.99% up time.

About CloudWAN Global Network

CloudWAN Global Network provides all CloudWAN customers with High-Quality data delivery optimization service for their different types of applications. CloudWAN Global Network has the following features:

High-Performance & High-Redundancy Core Network

CloudWAN has over 270 POPs in Cloud DC, Legacy DC around the world to support a high redundancy core network with SD-WAN technologies. Leveraged by AppEx ZetaTCP acceleration technology and Real-Time Tunnel (RTT), CloudWAN makes efficient use of bandwidth over public Internet to guarantee high performance data delivery over Cloud-WAN core network.

High-Performance Last Mile Data Delivery

Large-scaled deployed CloudWAN POPs shorten the distance from customer's site to CloudWAN core network. Meanwhile, AppEx asymmetric acceleration technology can also accelerate the traffic in last mile.

High-Reliability Monitoring and Management

Leveraged by SD-WAN technologies, Cloud-WAN Control Centre can monitor and manage all CloudWAN POPs, CloudWAN CPEs and links to guarantee reliable data delivery for all time.

Advanced Optimization for Real-Time Applications

AppEx's a set of unique application optimization algorithms over Real-Time Tunnel can provide advanced optimization for real-time applications like live-streaming, video-conferencing, etc.

High-Security End-to-End Data Delivery

CloudWAN supports multiple types of data encryption and security strategies in both core network and access network.

CloudWAN POP MAP

CloudWAN POP

Moscow
Kazan
London
Amsterdam
Dublin
Novosibirsk
Frankfurt
Paris
Toronto
Montreal
Seattle
Chicago
New York
Silicon Valley
Washington DC
Dallsa
Madrid
Los Angeles
Miami
Queretaro
Cairo
Beijing
Suzhou
Seoul
Tokyo
Chengdu
Qingdao
Nasik
Hongkong
Shanghai
Yiwu
Shenzhen
Chennai
Xiamen
Bangkok
Singapore
Johannesburg
Capetown
Sydney
Melbourne