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eCloud-WANO Acceleration Solution
Introduction

EXPLORING
SUCCESS
TOGETHER

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What is WANO?

eCloud is CTA's Cloud Brand.
WANO (WAN Optimization) is a connectivity and optimization solution providing seamless connectivity among data centers, disaster recovery and public cloud features for multiple locations or branches, enhancing both productivity and business continuity with a low WAN investment.

WANO

| High-Speed VPN | Multi-Link | Application Acceleration | Video Optimization |

Dedicated intranet network for enterprises can quickly be built up with the same performance as MPLS.

WAN Optimization can automatically detect link availability and select path according to application and IP.

By expanding transmission window and using congestion control technology, transmission efficiency of TCP can be improved.

Using cache, proxy and link packet automatic retransmission technology to optimize UDP data, video conference can proceed more smoothly.

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Why eCloud-WANO Acceleration Solution?

Customers' Pain Point

- Enterprise employees in China who want to visit global SaaS such as O365, G-suite, Google, Salesforce, AWS, and Azure.

- Enterprises outside China who wants to visit application or financial online services in China.

- Due to the Covid-19 pandemic, people are working at home. Global remote access is necessary.

- Endure high cost when using top brand firewall such as Checkpoint.

Target Customer

- Branch user or remote user

- China user who wants to visit global internet and SaaS

- Global user who wants to visit China SaaS

- Customer who has a limited budget

Features and Advantages

WAN Optimization & Quality Guarantee

Multiple User # Options

Remote User ONLY Option

Free Switch Between China & Global

CTA Dedicated Intranet Network

Free POC Service

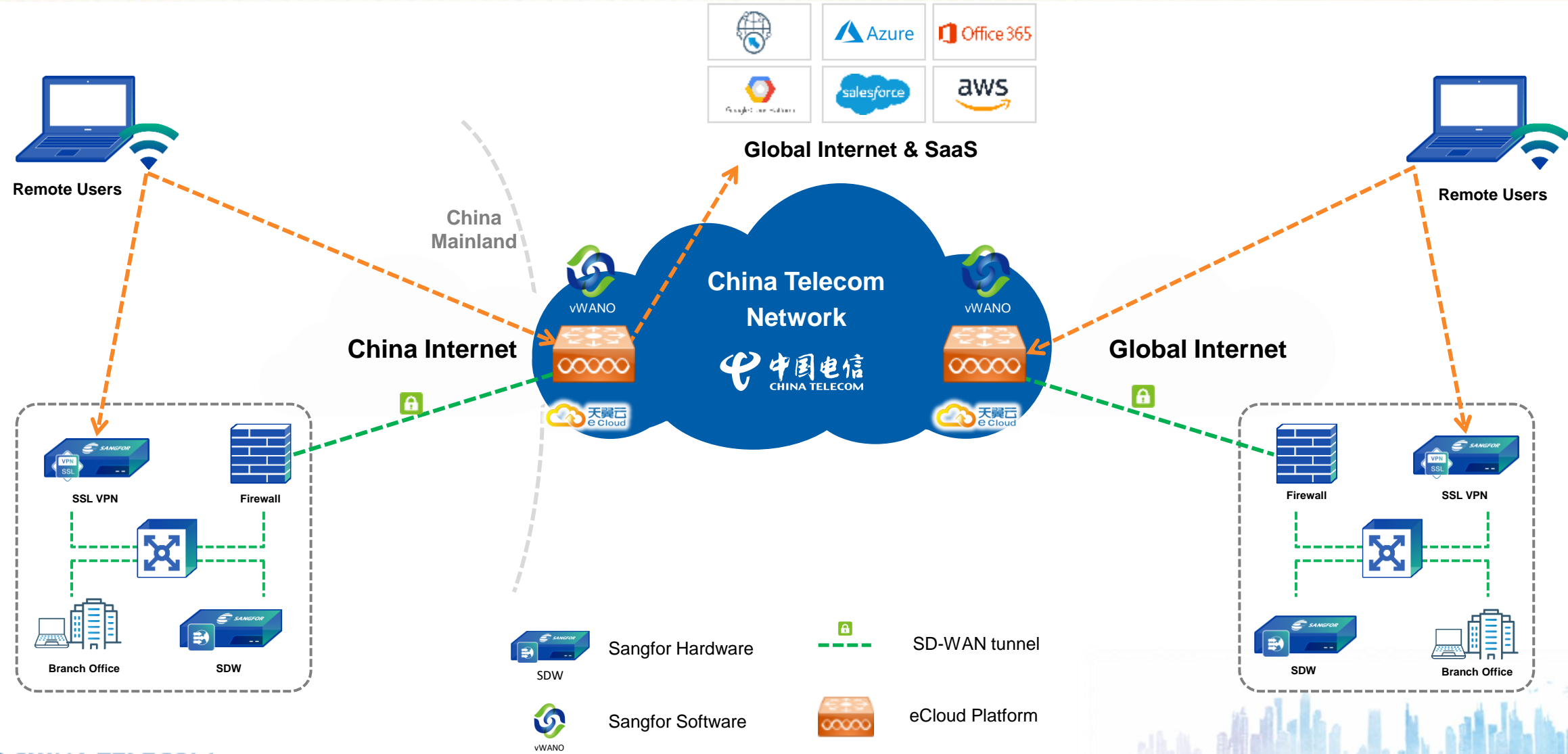**Aggressive Price & Cost Saving**

CTA WeCare Management Service

Global Coverage

Amsterdam
Stockholm
London
Frankfurt
Paris
Prague
Milan

Toronto
Chicago
San Jose
Los Angeles
Washington D.C.

Cairo
Fujairah
Bombay

Beijing
Seoul
Shanghai
Shenzhen
Tokyo
Phnom Penh
Hong Kong
Bangkok
Macao
Hanoi
Kuala Lumpur
Singapore
Jakarta

Lagos
Nairobi

San Paulo

Johannesburg

Sydney

● Global Node Online

● China Node Online

● Node on the way

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Solution Topology

Global Internet & SaaS

China Telecom Network
中国电信 CHINA TELECOM

China Mainland

China Internet

Global Internet

Remote Users

Remote Users

vWANO

vWANO

天翼云 eCloud

天翼云 eCloud

SSL VPN   Firewall

Firewall   SSL VPN

Branch Office   SDW

SDW   Branch Office

Sangfor Hardware
SDW

SD-WAN tunnel

Sangfor Software
vWANO

eCloud Platform

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Solution Components

eCloud Platform:

- VM for vWANO
- VM for vSSL VPN SW

vWANO Virtual - Subscription:

- Sangfor Software
- Sangfor Service

WANO SDW:

- Sangfor Hardware
- Sangfor Software
- Sangfor Service

WANO SSL VPN:

- Sangfor SSL VPN HW or vSSL VPN SW
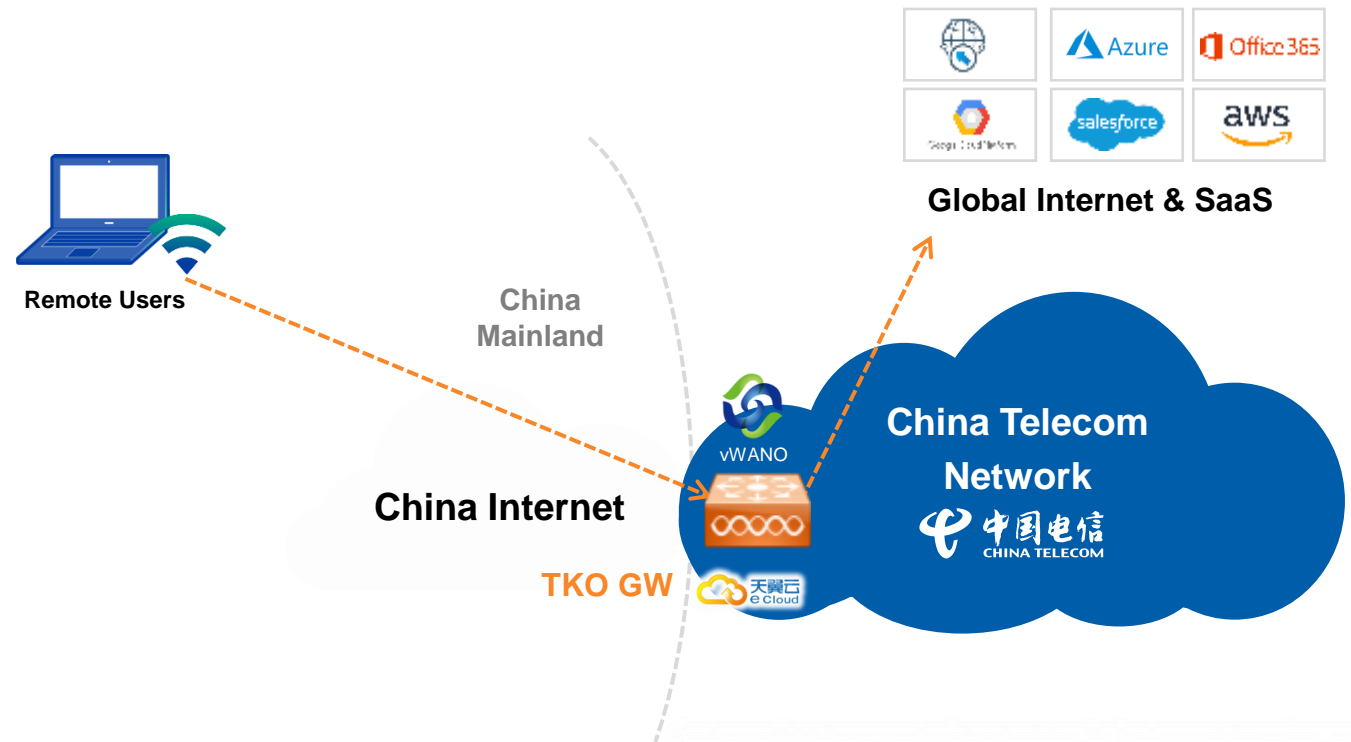- Concurrent Users
- Sangfor Service

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Scenario A:
Remote Users in China Visit Global SaaS

Requirements:
Customer has 20 remote employees in China who want to visit Global O365 and Google, shared bandwidth 10M.

Solution:
WANO vSSL VPN SW
eCloud Platform for vSSL VPN SW

Remote Users

China Mainland

China Internet

vWANO

China Telecom Network

中国电信
CHINA TELECOM

TKO GW

天翼云
e Cloud

Global Internet & SaaS

Azure Office 365

salesforce aws

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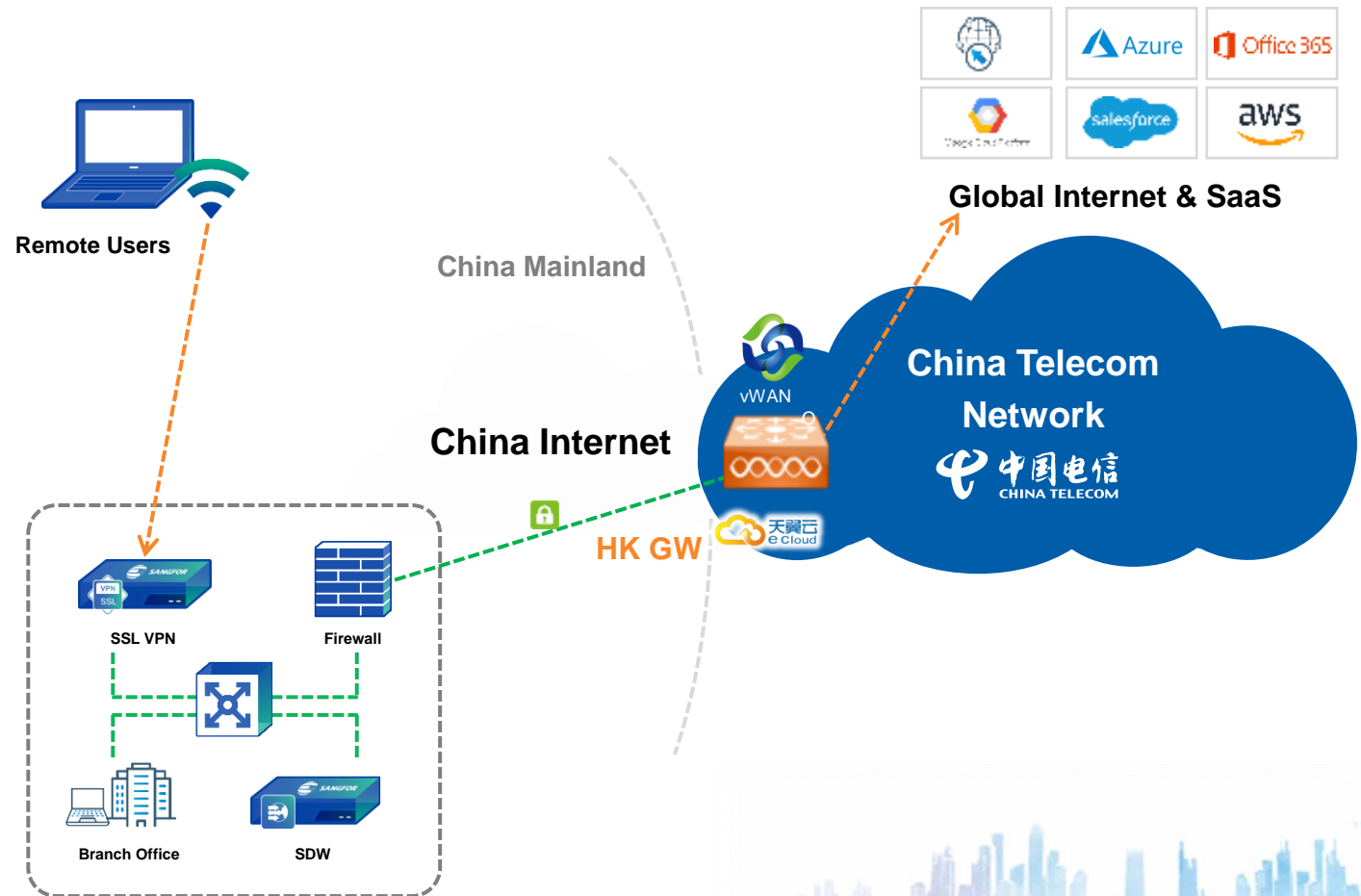EXPLORING SUCCESS TOGETHER

Scenario B:
Branch and Remote Users in China Visit Global SaaS

Requirements:
Customer has 30 remote and office employees in China and wants to visit Global O365 and Google, shared bandwidth 25M.

Solution:
- vWANO Virtual-Subscription
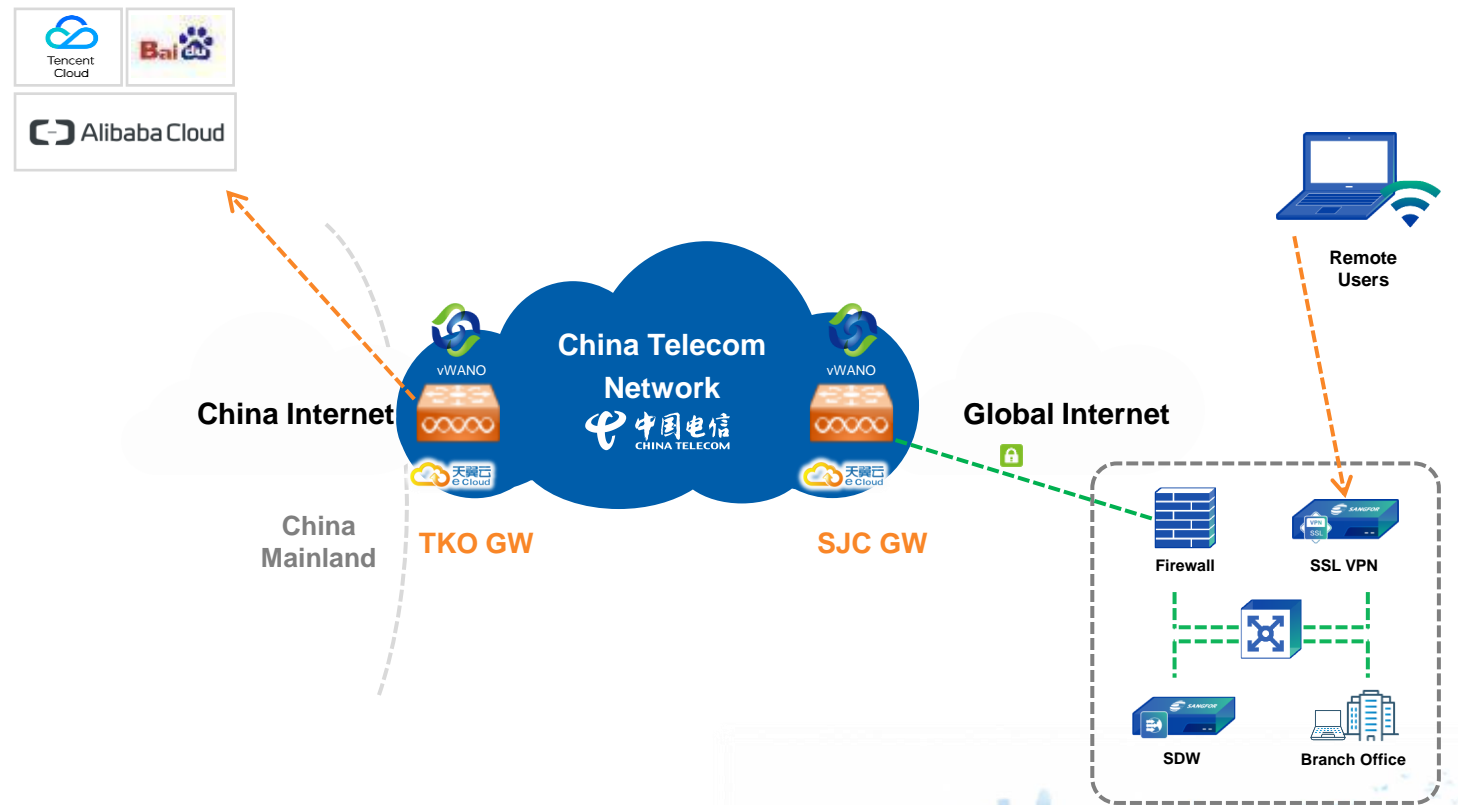- eCloud Platform for vWANO
- WANO SDW
- Sangfor SSL HW

Remote Users

China Mainland

China Internet

SSL VPN

Firewall

Branch Office

SDW

HK GW

vWAN

China Telecom Network

中国电信
CHINA TELECOM

Global Internet & SaaS

Azure

Office 365

salesforce

aws

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Scenario C:
Users in America Visit China Apps

Requirements:
Customer in U.S. and Canada has 30 remote and office employees. They want to visit China Cloud and Applications.

Solution:
- vWANO Virtual-Subscription *2
- eCloud Platform for vWANO *2
- WANO SDW
- Sangfor SSL HW

Tencent Cloud

Baidu

Alibaba Cloud

China Internet

China Telecom Network
中国电信 CHINA TELECOM

vWANO

vWANO

Global Internet

China Mainland

TKO GW

SJC GW

Remote Users

Firewall

SSL VPN

SDW

Branch Office

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Scenario D:
WANO SD-WAN

Requirements:
Customer branches are in China and U.S., and they want to setup 10M WAN/LAN network between them.

Solution:
- vWANO Virtual-Subscription *2
- eCloud Platform for vWANO *2
- WANO SDW*2
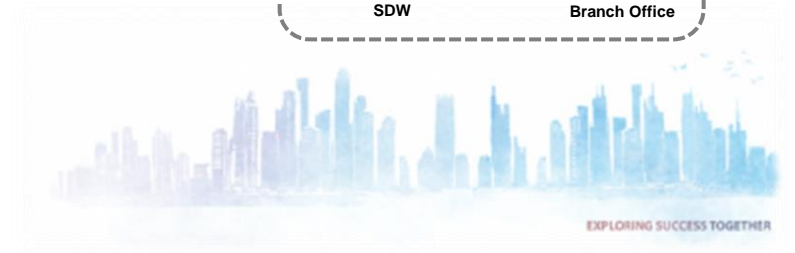
Thank You.

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