# **SD-WAN:** A DRIVER OF DIGITAL TRANSFORMATION

# THE NETWORK MANAGER'S BALANCING ACT

The WAN Needs to Support Business Outcomes Q. What are the key business outcomes that your company's WAN should support?

**IMPROVE EFFICIENCIES** 158% **DRIVE BUSINESS AGILITY** 45% **INCREASE PRODUCTIVITY** 44%

**New Technologies Force Change** 

Q. Which of the following technology areas will have the biggest impact on your company's WAN requirements in the coming years?

<u>څ</u> 36% 34% **FLEXIBLE CLOUD SERVICES** WORKING **MOBILITY** 

## THE ROAD AHEAD IS FULL OF BUMPS

59%

Challenges Are Many, But Security is Key Q. What do you see as the biggest challenges for your company's WAN in the coming two years?

**SECURITY THREATS** 

FH3.

**REGULATORY COMPLIANCE OR DATA** PROTECTION (e.g., GDPR)

36%

32%

**INCORPORATING NEW/EMERGING TECHNOLOGIES** 

Q. How easy do you think it is to do each of the following on your company's current WAN? (% responding "challenging/very challenging")

Regular Tasks Are Not Easy For Many

**UPDATE NETWORKING OR SECURITY POLICIES/SETTINGS** 

PROVISION NEW NETWORK FUNCTIONS 67% ADD OR CHANGE A CONNECTION TO A PUBLIC CLOUD PROVIDER

**Few Organizations Feel That** Staff and Network Are Ready for the Future 48% 40%

Q. Do you feel that the staff at your company have the right skills to drive the evolution of its WAN? (% responding "Yes")

SD-WAN DRIVES

requirements and deliver these business outcomes? (% responding "4/5")

On a scale from 1 to 5, where 1 is not at all ready and 5 is completely ready, how ready

is your company's network to meet growing

69%

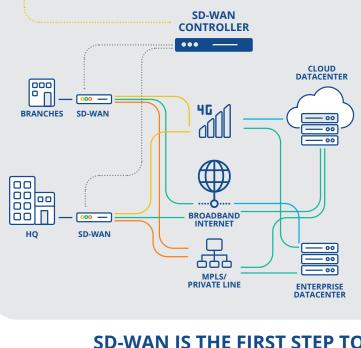
# **SD-WAN ELEMENTS**

**NETWORK EVOLUTION** 

### Leverage hybrid networks Centralized, application-based policy controller

- Application and network performance monitoring
- Software overlay that abstracts and secures underlying networks
  - on application requirements

Dynamic path selection to optimize the WAN based



**SD-WAN** 

Security and Cloud Connectivity Drive Requirements Q. What are the key factors that will drive your company's network requirements over the next two years?

SECURITY 59% CONNECTING TO 42% FLEXIBILITY/ AGILITY 39%

**But Budgets Show Only Flat to Modest Growth** Q. How do you expect the budget for the WAN to change, if at all, in the next two years?

45% Modest decrease No change Modest increase Strong increase

### **NETWORK CHANGES CAN** IMPROVE PERFORMANCE

Doing Nothing is Not an Option as Requirements Are Accelerating

Q. What changes have you made or are you planning to make to your company's WAN to respond to these changing requirements?

**IMPROVE NETWORK SECURITY** 

68%

43%

**IMPROVE NETWORK PERFORMANCE MONITORING** 

49% INCREASE NETWORK BANDWIDTH

41%

**NO CHANGE** 

42%

0%

Architectural Change Can Improve Performance

**ACTIVE-ACTIVE ARCHITECTURE WITH MULTIPLE CONNECTIONS PER SITE** 

Q. Does your company use any of the following in its WAN solution?

32% 49%

**LOCAL INTERNET BREAK-OUT** 

45% 37%

PRIVATE CONNECTIVITY TO KEY PUBLIC CLOUD **PROVIDERS** 

NO, but planning to within 12 months YES

**Organizations Are Increasingly Adopting** Intelligent Services Q. Does your company use any of the following intelligent WAN services?

**REAL-TIME MONITORING/VISIBILITY** 23% 67%

APPLICATION PERFORMANCE MANAGEMENT 44% 43% lı(ll)

WAN OPTIMIZATION 34% 37% No, but planning to within 12 months

...But Few Are Leveraging the Power of Predictive Analytics to Optimize the Network Q. What is your company's approach to using network intelligence to optimize the network?

Automated optimization based on predictive analytics Manual optimization based on predictive analytics

16%

SD-WAN Delivers a Range of Advantages Q. What are the most important reasons for using or considering using an SD-WAN solution for your company?

**REDUCE WAN-MANAGEMENT** 

COMPLEXITY

**OPTIMIZE WAN TRAFFIC BY** LATENCY, JITTER, PACKET LOSS 38% **FLEXIBILITY TO USE DIFFERENT** NETWORKS FOR APPLICATION DELIVERY 38%

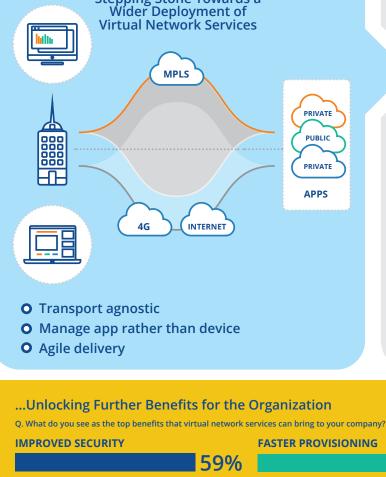
**EMEA SD-WAN** Market \$2.1 B \$80 M 2016 2021 **Demand for SD-WAN is Accelerating** 

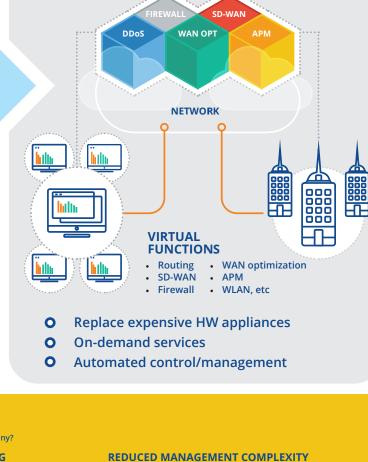
18% ...4% Using — extensive deployment 21%

Q. Which of the following best describes your company's adoption, plans, or awareness of SD-WAN?

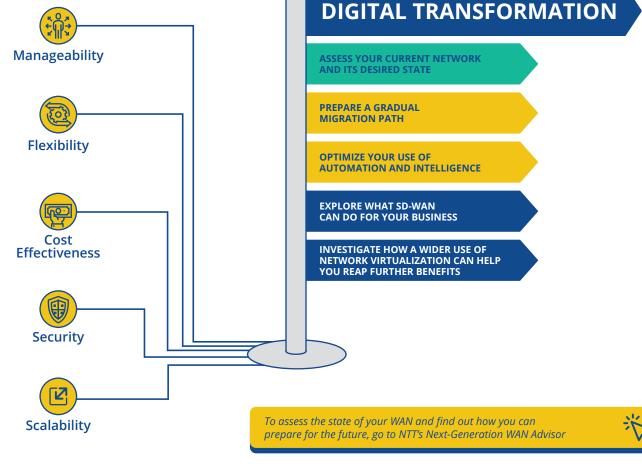
Using — limited deployment Using — piloting Not using, but investigating or planning to deploy 25% 32% Not using and no plans to deploy SD-WAN IS THE FIRST STEP TOWARD NETWORK-AS-A-SERVICE **NaaS** 

#### SD-WAN Should be a Stepping Stone Towards a Wider Deployment of SD-WAN





36%



38%

**ESSENTIAL GUIDANCE** 

