

Best Practices Edge Security

Digital Experiences, Security, and Staff Competencies Are Key Priorities

Business executives to invest in digital experience, security, and improving tech competency



50% OF C-SUITE RESPONDENTS

believe a recession is coming said it would result in an increase to IT budget or have no impact to IT budget at all

Customer-Focused Digital Experiences **C-Suite** Technology **Priorities** Improving Security technology staff Technologies

Source: IDC Worldwide C-Suite Survey, August 2022

Key Aspects of Modern WAN Infrastructure

Key aspects for WAN infrastructure: Integrated security, technology

edge security, and improves IT ops competencies

Modern WAN infrastructure assures digital experiences, provides

innovation and operational agility/efficiency Q. When purchasing wide area network (WAN) infrastructure or services for

your company, what are the three most important aspects you consider? Integrated security (UTM/firewall, Secure Web Gateway

33.0% (SWG), Next-generation Firewall (NGFW), etc.) 31.0% Technology innovation Operational agility/efficiency 27.8% 26.0% Pricina Application visibility and performance **25.6%** 24.0% Multicloud access Simplicity of deployment/ease of doing 21.9% business with the vendor/provider

Source: IDC Software-Defined WAN (SD-WAN) Survey, June, 2021

Key Trends Driving SD-WAN



- Cloud and multicloud demand optimized access to and digital experience of cloud applications
- Common management simplifies control of edge environments
- Integrated edge security becomes essential with distributed apps and internet breakout at the branch
 - Assuring user and application experience is an imperative

5 Key Trends Driving SD-WAN



Optimizing Multicloud Connectivity



SD-Branch and common management across WAN & Wired/Wireless LAN



User and Application Experience Assurance

LTE and 5G for primary connectivity

Integrated Security and SASE Architectures



Key Components of SD-WAN Solutions Security, cloud connects, transport agnosticism are seen as essential capabilities

Top SD-WAN Motivations: Centralized WAN and LAN management; Operational efficiencies; Simplified WAN for multicloud

Q. Which of the following are the top 3 motivations for considering an SD-WAN deployment? (select up to three responses)

Opportunity to save money Improve automation and self-provisioning (enhanced operational efficiency) Simplify management of WAN to support hybrid IT/multicloud Faster deployment and branch provisioning Achieve better WAN and application

Ability to have more centralized policy management

across the WAN and the campus (LAN) or datacenter

27.1% 25.4% performance (digital experience) Source line: Software-Defined WAN (SD-WAN) Survey . IDC. June. 2021

31.1%

30.0%

IDC Guidance on SD-WAN

Edge Networking and Security Driven by Application Requirements

Modern applications need modern WANs and edge security

Try to maintain choice and flexibility in your SD-WAN networking and your edge security, given that your application environment is likely to evolve.

needed, at edge locations.

your organization gains sophistication in cloud environments and cloud-native architectures.

connectivity and security at the edge.

Take an application-centric approach to ensuring that SD-WAN addresses application requirements for

Consider how network and security needs will evolve as

- Look for robust platforms that can scale elastically, providing the networking and security functionality
- to cloud-based applications and that offer strong cloud-oriented partner ecosystem.

Seek solutions that provide optimized connectivity

Message from the Sponsor

VEP is a virtual network infrastructure solution designed to address the need for

Dell Virtual Edge Platform (VEP) agility, flexibility, scalability, and security at the enterprise edge. Running SD-WAN solutions, it offers fast, secure, cloud-friendly connectivity across

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branch offices with a distributed workforce, providing operational efficiencies, cost savings, and Dell's global support and supply chain advantage.

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