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# PROIECING SD-WAN DATA

SD-WAN, also known as software defined networking, simplifies the deployment and management of WAN infrastructure. While its benefits range from improved agility and dynamic routing to cost efficiency and network standardization, it poses an inherent security risk if data is not encrypted end-to-end.

## **SD-WAN IN NUMBERS**

PREDICTED COMPOUND ANNUAL GROWTH RATE 2017-2022<sup>1</sup>

MARKET WORTH BY 2022<sup>2</sup>

WAN EDGE INFRASTRUCTURE **REFRESH INITIATIVES BASED ON** VCPE OR SD-WAN BY 2023<sup>3</sup>

<sup>1</sup>SD-WAN Infrastructure Forecast, IDC <sup>2</sup>lbid <sup>3</sup>Gartner Magic Quadrant for WAN Edge Infrastructure via SDxCentral

#### **DRIVERS BEHIND SD-WAN ADOPTION<sup>4</sup>**



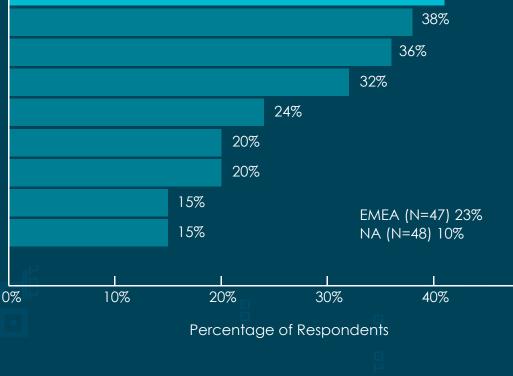
41%

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### **TOP THREE WAN CONCERNS<sup>5</sup>**

				First Choic	e Secc	nd <b>T</b> h	ird Sum c	of Top Three	_
	security	36%				21%		72%	۲ الا
	Performance	16%	16% 22%			19%			
	Cost	12%	15%		20%	47%			ם   
Management: Visibility, monitoring and troubleshooting		11%	12%	12%	34%				
Avaliability Meeting cloud/ digital-specific requirements		12%	12%	10%	34%				
		10%	10%	12%	31%				
Lack c	of agility/flexibility	4% 9%	10%	22%					
		l							
		% 109 P	6 20%			50% espondent	60% s	70%	80%

<sup>4</sup>Gartner Technology Insight for SD-WAN 5lbid



Increase performance/reliability

Increase availability

Reduce recurring WAN costs by using less-expensive transport Agility

40%

Access cloud services more directly/effectively Easily add new applications to the network

Lower configuration change costs

To replace our existing routers

Service path selection based on business-controlled policies To provide branch-level security/encryption

Unencrypted network links

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Unsecure cloud computing platforms

Unprotected IoT devices & endpoints

Emerging trends such as quantum computing

## THE THREAT LANDSCAPE

Injection of rogue data Cyber attacks User error Organized Global State-sponsored attacks competitors crime

CONSEQUENCES **OF A BREACH** 

°2018 Cost of a Data Breach Study – Ponemon Institute

On average, it takes **197** days to identify a breach and a further **69 days** to contain it<sup>7</sup>.

Intellectual





Privacy

#### DISCOVER MORE ABOUT THALES HIGH SPEED **ENCRYPTION SOLUTIONS**



The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.

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