

# Business transformation demands a new network architecture

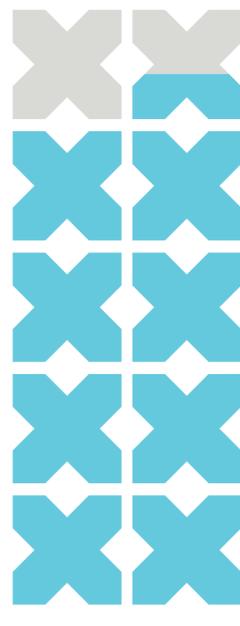
## Digital transformation calls for a network refresh

Digital transformation requires an agile IT infrastructure. Evolving the network (the foundation of a digital business) must be a high priority.

# 84%

Businesses that currently have a digital transformation initiative in progress

Source: ZK Research



## Dynamic businesses put the focus on creating a dynamic WAN

Today's geographically dispersed and data-intensive organizations need to re-envision their global networks to better support:

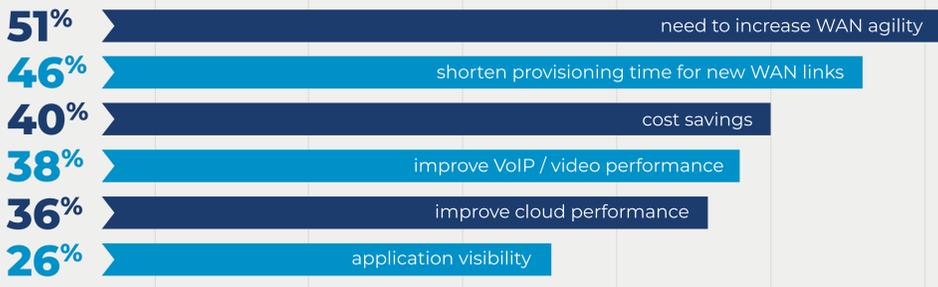
- Cloud migration and connectivity
- Bandwidth intensive applications and workflows
- Large remote workforces
- Mobile device usage
- Location connectivity (branch offices, retail sites)
- Rising video traffic
- Unified communications
- Increased Internet connectivity
- Lower costs
- More intelligent management
- Business transformation
- Software control programmability



## Agility value proposition: SD-WAN

Known to infuse flexibility into rigid, legacy IT architectures, hybrid networks with SD-WAN are the answer. Investment drivers emphasize **agility**, **cost savings**, and **improved performance**.

### SD-WAN Investment Drivers



Source: ZK Research / Tech Target WAN Survey, 2017

## Adoption is rising

Businesses are investing in hybrid networks with SD-WAN.



- On the radar
- Actively researching
- Piloting
- Installed or in production
- Upgrading / refining

Nearly

# 70%

of enterprises are either actively researching or have installed an SD-WAN pilot or solution



## Preferred strategy

# 80%

of executives opt to augment rather than replace their network technologies

Source: IDC Research



## Mix and match: SD-WAN works with any connectivity type

- Internet Connectivity**  
Enjoy Internet access over a completely separated logical connection from private traffic
- Cloud Connectivity**  
Rapidly, securely, and scalably extend a VPN to cloud service providers through an integrated approach
- MPLS**  
Improve network performance with this fully meshed Layer 3 service in a secure, easy-to-manage environment
- VPLS**  
Securely extend your Ethernet LAN throughout your entire WAN with complete routing control
- VPWS**  
Guarantee bandwidth for your designated applications with a secure, private site-to-site connection
- VPN**  
Securely provide remote users access from a public telecommunications infrastructure like the Internet to a private network

## Cloud adoption drives SD-WAN

In a diverse and distributed cloud environment, Gartner recommends that businesses:



- Architect a new WAN, leveraging both Internet and MPLS services, to meet the requirements of broad and increasingly distributed application deployments
- Deploy physical WAN interconnections that enable ubiquitous connectivity while minimizing latency between all branch offices and all applications, across the hybrid internet-MPLS WAN
- Deploy overlay functionality, such as SD-WAN, that controls, forwards, and monitors the end-to-end application flows across all transport services and interconnects

Source: Gartner, Cloud Adoption is Driving Hybrid WAN Architectures