

BUILDING NEXT-GEN ENTERPRISE NETWORKS ON SD-WAN

The increasing need for scalable and adaptable WAN network to support digital transformation levers such as M2M and IoT, Cloud, Artificial Intelligence, HD Videos, Mobile Apps Proliferation, Social Media Integration, Digital Retailing and many more, are driving enterprises to evaluate Software Defined WAN technology and beyond.

CHANGE IS INEVITABLE

Today enterprises trust their Wide Area Network (WAN) connectivity to support rapidly growing number of devices, business applications and bandwidth requirements. Be it IoT devices communication, video conferencing, Big Data and Analytics or access to applications on cloud, the need for secure, highly available and mobile network connectivity has become imperative.

Application proliferation and differentiation is driving the organization cloud strategies and directions.

83%
of enterprise workloads will be on the cloud by **2020.**

Most organizations are leveraging at least **5 different cloud platforms.**



The digital universe comprising the data that we create and copy annually is expected to reach:



44 trillion gigabytes by 2020

This vast amount of data places new demands on the enterprise network.

Moving communication outside boundaries is imperative in today's digital world. Business operates in a world of IOT, where there are many devices all connected at the same time.

The number of devices is expected to reach **38.6 bn by 2025.**

Smart connection strategies have to accommodate over **1.9 bn PCs.**



Bring your own device (BYOD) initiatives for accessing both business and personal applications has surged mobile data traffic in enterprise WAN network.



Traffic expected to reach **71 exabytes per month by 2022,**

up from 8.8 exabytes in 2017.

This increased traffic will generate its own usage patterns that will require a level of application performance that is not supported by traditional WAN architecture.

Legacy WAN infrastructure is not designed to support these new age business requirements and is struggling to manage the unprecedented surge in traffic. It is leading to network management complexity, data vulnerability, and unpredictable application performance.

WHY SD-WAN? WHY NOW?

Enterprises are looking for next-gen WAN that can aid in harnessing virtualization and help improve cost and agility above all.

Here are 6 reasons why adopting next-gen WAN for businesses make sense:

Adaptability to support real-time data exchange

Support Hybrid Cloud infrastructure

Fully secure WAN connectivity and infrastructure

Higher resiliency, higher uptime

Prioritize business critical applications

Optimized WAN infrastructure cost

This is where SD-WAN technology comes into play. SD-WAN makes enterprise WAN network application aware and transport agnostic. It delivers on threat protection, cloud transformation, simplification of WAN network, multiple connectivity options, centralized management and control of WAN infrastructure, network and security policies.

THE KEY SD-WAN BENEFITS

Agility and Performance

Enhanced business efficiency through application aware routing, dynamic path control and improved WAN link usage.

Network Security and Availability

Improved dynamic load balancing, application visibility, and control via centralized management of network and security policies.

Instant Provisioning and Configuration

Quick configuration or provisioning of branch offices via automation and increased programmability.

Optimized WAN Infrastructure

Access to the benefits of multiple connectivity in an active model infrastructure such as satellite, internet, MPLS, 3G, 4G, broadband etc.

The Airtel Advantage

One stop solution to provide connectivity and SD-WAN expertise

Partnership with leading SD-WAN solution providers

Unmatched network reach with 3,00,000 RKM of fibre network in India

Entire SD-WAN life cycle management including planning, deployment, on-ground support

Leveraging decades of experience of deploying reliable, high quality MPLS, Internet, satellite, 2G, 3G, and 4G connectivity