Software Define Your Enterprise WAN with Virtual Network

Services



Convergence of SD-WAN, SDN, and NFV technologies is enabling businesses to realize the value of a dynamic WAN

Top 3 Business Drivers for Digital Transformation in 2021



Optimize IT

Resources

(43%)

Improve Business Productivity



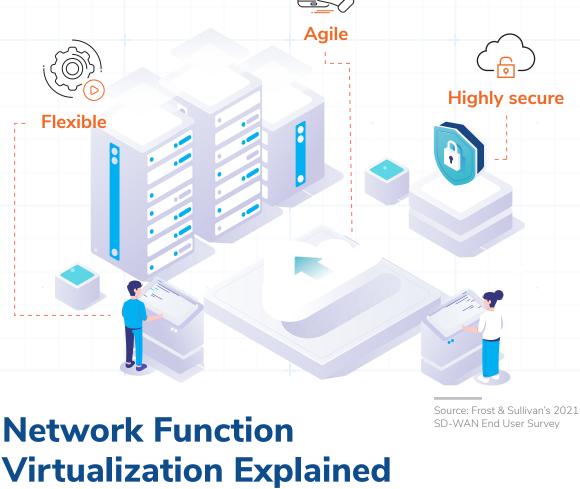
Improve Customer Experience

Businesses today need to minimize the risk of interruptions to their business and gain flexibility to quickly adapt to changing conditions. Investment in technology is more critical now than ever as it is key to ensure continuity of operations and business agility.

Source: Frost & Sullivan's 2021 SD-WAN End User Survey

Things WAN Must Be

As businesses across verticals embrace hybrid cloud, IoT, remote working, edge and other technology trends it is imperative to ensure the WAN being used is:

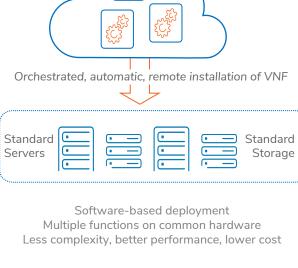


Traditional Network Appliance Approach Network Function Virtualization Approach Edge Router 00000 000000

Firewall

WAN Accelerator

Wireless LAN



Benefits of NFV-based Virtual Network services:

Dramatically improved

Source: Frost & Sullivan

Network **Functions**

Specialized, proprietary hardware Physical install per appliance per site Complex network management

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Premises

networking functions provisioning cycle times Deployment of new applications and Improved WAN efficiency services in a matter of



Reduced operational

hours or days

Enhanced control over



modular fashion

security features in a

Ability to deploy enhanced



In a Nutshell

Less complexity





2. Rise in SD-WAN Adoption

The North American SD-WAN market revenues exceeded \$2 billion in 2020, with

The Covid-19 pandemic forced many businesses to deploy technologies to optimize

resources, increase operational efficiency, and enhance business continuity.

VNF dramatically reduces hardware costs.

The software-centric approach enables VNFs to be instantiated effortlessly making it easy to deploy and manage network functions.

holistically.

Deploying an uCPE platform that can host multiple VNFs, including SD-WAN,

more than 200,000 operational sites.

To fully realize the potential of a software-centric architecture, WAN

functions must be agile.

3. Hybrid Cloud Networking uCPE offers the agility and flexibility to deploy VNFs at all key connection points for hybrid cloud: on-premises data centers, colocation data centers, cloud POPs, and at the edge.



With virtual network services, businesses have a cost-effective way to test new markets before investing CAPEX in branch locations.

4. Enhance Global Competitiveness through

5. Multi-vendor approach provides wider

The software-centric architecture not only brings great agility for VNF deployment, but also

brings immense flexibility and choice for businesses during vendor selection.

choices

Fast Deployment







AT&T Business

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