

3 Ways to upgrade your Legacy Enterprise WAN to SD-WAN

Carrier

Last Mile Lock in

Carriers tend to lock customers into their last-mile solution, rather than let them choose the best available option.

Slow Rollout

Equipment lead times, configuration, testing and modifications in contracts with OEMs result in rollout delays.

Spotty Cloud Co-Location

Carriers are not always co-located with cloud service providers, like AWS, Oracle or Microsoft, thus making it challenging to ensure cloud application performance and optimized regional connectivity.

Not Agile

Digital Enterprises operate in an environment that requires agility. Rolling out new cloud applications, ramping down or migrating from legacy applications, the opening of new branches or closing of non-performing ones all need changes to the WAN. A legacy WAN is incapable of keeping pace with rapid changes.

Inconsistent SLAs

Carriers typically operate within their service area. Thus, international connectivity is achieved through agreements with multiple service providers, making it impossible to guarantee end-to-end SLAs. As a result, the service offered is with the least common denominator set of features.

Inflexible Pricing

Carrier networks involve agreements between multiple service providers. As a result, their pricing model is designed to compensate every player in the value chain, thus making them inflexible and expensive.

Low NPS

Multiple surveys give carriers a low NPS score. This low score stems from many challenges; e.g. being consumers rather than creators of technology, dependence on various OEMs, need for complex inter-carrier agreements, the mandate to protect legacy investments in MPLS and tendency to lock customers into their first and last-mile offerings.

Creators vs Consumers

SD-WAN is not a single-box, plug and play solution. A comprehensive SD-WAN solution requires interworking between various elements. As consumers rather than creators of the technology, carriers are limited in their ability to offer best-in-class service.

Do It Yourself

DIY

01

Forklift Upgrades

DIY SD-WAN rollouts will invariably involve hardware changes. Even in the case of SD-WAN as a software upgrade, the performance of legacy hardware deteriorates with the addition of SD WAN features, thus necessitating an eventual hardware upgrade.

02

Lack of End to End Security

Due to multiple moving parts, it is often difficult to implement consistent security across the edge and cloud. For example, the ability to encrypt all traffic.

03

Not Cloud Agile

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04

Slow Rollout

Equipment lead times, configuration, testing and modifications in contracts with multiple last-mile and middle-mile service providers can delay the rollout.

05

Applications Sluggish

Lack of direct on-ramps to cloud service providers can negatively impact cloud application performance. Variable latency and data loss can impact applications like UCaaS.

Overlay Issues

An overlay deployment, such as with MPLS, results in longer QoS convergence times and therefore delayed SLAs. Also, there is diminished end-to-end control of SLAs across a DIY global backbone US "p due to separate visibility of the overlay and underlay.

Complex Operations and multiple POCs

Building your own WAN requires contracts with multiple OEMs and service providers, resulting in increased complexity. Problem resolution involves multiple POCs and separate contact lists for first-mile and middle-mile connectivity.

aryaka Managed SD-WAN

Hardware and Software

Aryaka's service is built using its SD-WAN edge, the Aryaka Network Access Point (ANAP), and a full suite of software solutions, thus ensuring that there are no interoperability issues. Also, MyAryaka, a portal for centralized monitoring and configuration, gives customers a holistic view of their entire network.

First and Last Mile Connectivity

With Aryaka, there is no first or last-mile lock-in. Customers are free to opt for their preferred service provider. Aryaka can monitor the links provided by any service provider. We also offer a first mile / last mile link procurement service for customers who prefer a single vendor for all their enterprise connectivity needs.

Cloud-First Flexible Service

Aryaka provides a 'flex model' for branch connectivity. This model allows us to provide connectivity for temporary sites or retail locations.

Middle Mile Connectivity Solved

Aryaka solves the middle mile connectivity issue by operating its own fully meshed Layer 2 private network with 30+ Points of Presence (PoPs) around the world. We offer our customers the best of both worlds; a system that is as reliable as MPLS while being cost-effective.

Consume On-demand

A fully managed, on-demand SD-WAN service needs no investment in hardware. Features like WAN optimization and security are built in and can be rolled out from a centrally managed portal.

Truly International

Aryaka operates a fully meshed Layer 2 private network with 30+ PoPs around the world. With no complex inter-carrier agreements and no middlemen, Aryaka can ensure end-to-end quality of service and network visibility that few others can.

Quick Rollout and Day-1 SLAs

Services can be rolled out in days or weeks rather than in months. Further, Aryaka guarantees SLAs from the first day of operations.

08

Applications Accelerated

Out of the box, direct connectivity to leading SaaS and IaaS providers ensures accelerated application performance. Global SLA guarantees ensure performance for demanding mission-critical applications.

09

Simple Operations

A single point of contact for all WAN connectivity issues - Last Mile, Middle Mile, WAN optimization and security.

10

Agility and Flexibility

With 30+ PoPs around the world and features like bursting, oversubscription and direct routes to popular IaaS providers, Aryaka's managed SD-WAN solution keeps pace with the agile business needs of the Digital Enterprise.

About Aryaka

Aryaka, the Cloud-First WAN and SASE company, and a Gartner "Voice of the Customer" leader, makes it easy for enterprises to consume network and network security solutions delivered as-a-service for a variety of modern deployments. Aryaka uniquely combines innovative SD-WAN and security technology with a global network and a managed service approach to offer the industry's best customer and application experience. The company's customers include hundreds of global businesses including several in the Fortune 100.