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

### Career

#### Last Mile Lock in

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

available option. 01

### **Slow Rollout**

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

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#### Co-Location Carriers are not always

**Spotty Cloud** 

co-located with cloud service providers, like AWS, Oracle or Microsoft, thus making it challenging to ensure cloud application performance and optimized regional connectivity.

**Low NPS** 

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**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

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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.

# Carriers networks involve

Inflexible Pricing

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.

Multiple surveys give carriers a low NPS score. This low score stems fizm 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.

agility. Rolling out new cloud applications, ramping down

or migrating from legacy applications, the opening of

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# SD-WAN is nota

**Creators vs** 

Consumers

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.



**Forklift Upgrades** 01 DIY SD-WAN rollouts will invariably involve hardware changes. Even in the case of SD-WAN as a software upgrade, the performance of legacy hardwar& deteriorates with the addition of SD WAN features, thus necessitating an eventual hardware upgrade. Lack of End to End Security Due to multiple moving parts, it is often difficult to implement

ability to encrypt all traffic.

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**Not Cloud Agile** Digital Enterprises operate in an environment that requires

consistent security across the edge and cloud. For example, the

#### 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. Equipment lead times, configuration, testing and modifications in contracts with multiple last-mile and middle-mile service providers can delay the rollout. 07 06 **Overlay Issues** Lack of direct on-ramps to Anoverlay deployment, such cloud service providers can as with MPLS, results in longer **Complex Operations**

#### application performance. Variable latency and data

negatively impact cloud

**Applications Sluggish** 

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**Slow Rollout** 

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loss can impact applications like UCaaS.

**Hardware and Software** 

#### 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.

aryaka

**Managed SD-WAN** 

01

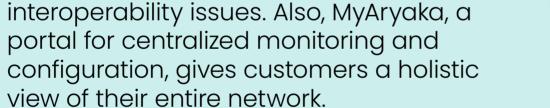
QoS convergence times and

#### requires contracts with multiple OEMs and service providers, resulting in

and multiple POCs

Building your own WAN

increased complexity. Problem resolution involves multiple POCs and separate contact lists for first-mile and middle-mile connectivity. aryaka



Aryaka's service is built using its SD-WAN

solutions, thus ensuring that there are no

edge, the Aryaka Network Access Point

(ANAP), and a full suite of software

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.

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# **Cloud-First Flexible Service**

by operating its own fully meshed Laver 2 private

best of both worlds; a system that is às reliable as

network with 30+ Points of Presence (PoPs)

investment in hardware. Features like WAN optimization

and security are built in and can be rolled out from a

around the world. We offer our customers the

#### Middle Mile Connectivity Solved Aryaka solves the middle mile connectivity issue

Aryaka provides a 'flex model

'for branch connectivity. This

model allows us to provide

connectivity for temporary

sites or retail locations.

MPLS while being cost-effective. A fully managed, on-demand SD-WAN service needs no

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#### **Truly International** Aryaka operates a fully meshed Layer 2

**Consume On-Demand** 

centrally managed portal.

private network with 30+ PoPs around the

agreements and no middlemen, Aryaka

can ensure end-to-end quality of service

and network visibility that few others can.

world. With no complex inter-carrier

**Applications Accelerated** 

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#### Out of the box, direct connectivity to leading SaaS and laaS providers ensures accelerated application performance.

Quick Rollout and Day-1 SLAs

weeks rather than in months.

Further, Aryaka guarantees SLAs

from the first day of operations.

Service can be rolled out in days or

Global SLA guarantees ensure performance for demanding mission-critical applications.

#### connectivity issues - Last Mile, Middle Mile, WAN optimization and security.

**Simple Operations** 

A single point of contact for all WAN

#### With 30+ PoPs around the world and features like bursting,

**Agility and Flexibility** 

oversubscription and direct routes to popular laS providers, Aryaka's managed SD-WAN solution keeps pace with the agile business needs of the Digital Enterprise.



Schedule a Free Network Consultation with an Aryaka Expert See How It Works Live  $\, \rightarrow \,$ 



Experience Aryaka's Unified SASE as a Service View Interactive Demo  $\,\,
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