Deutsche Telekom SD-WAN based on Aryaka

For networks that perform anywhere in the world

Most companies have transitioned to a "cloud-first" strategy, but are reluctant to rely on a single provider. Their users need access to applications wherever they are — at home, in the office, or from an airport hotspot. Office software, however, can generate considerable network traffic. Routing it through the Internet can cause traffic jams that slow down critical applications. What's more, new security threats surface daily. High-performance SD-WAN networking technology from Deutsche Telekom provides an answer with guaranteed quality to all theses challenges and more.

90% of large corporations adopted multi-cloud through 2021 — by 2023, 94% will have (Statista.com, Sep 21)

+125% more cyberattacks in 2021 vs. the previous year (Accenture Security, Aug 21)

Key challenges

Conventional architectures have many weaknesses

- At multinationals, branches located great distances away from the main cloud gateway can experience performance problems. Network paths are simply too long. And if the gateway goes down, there is no alternative route — the company is simply offline.

- Modern approaches to application access control are also difficult to implement in such scenarios. This makes it very difficult to prevent security vulnerabilities.

- Using standard internet access to transmit data across international borders exposes companies to regulatory risk. Government restrictions can interrupt connectivity to international subsidiaries at any time.

- Conventional network architectures use a central internet breakout to connect to the cloud, which turns into a bottleneck.
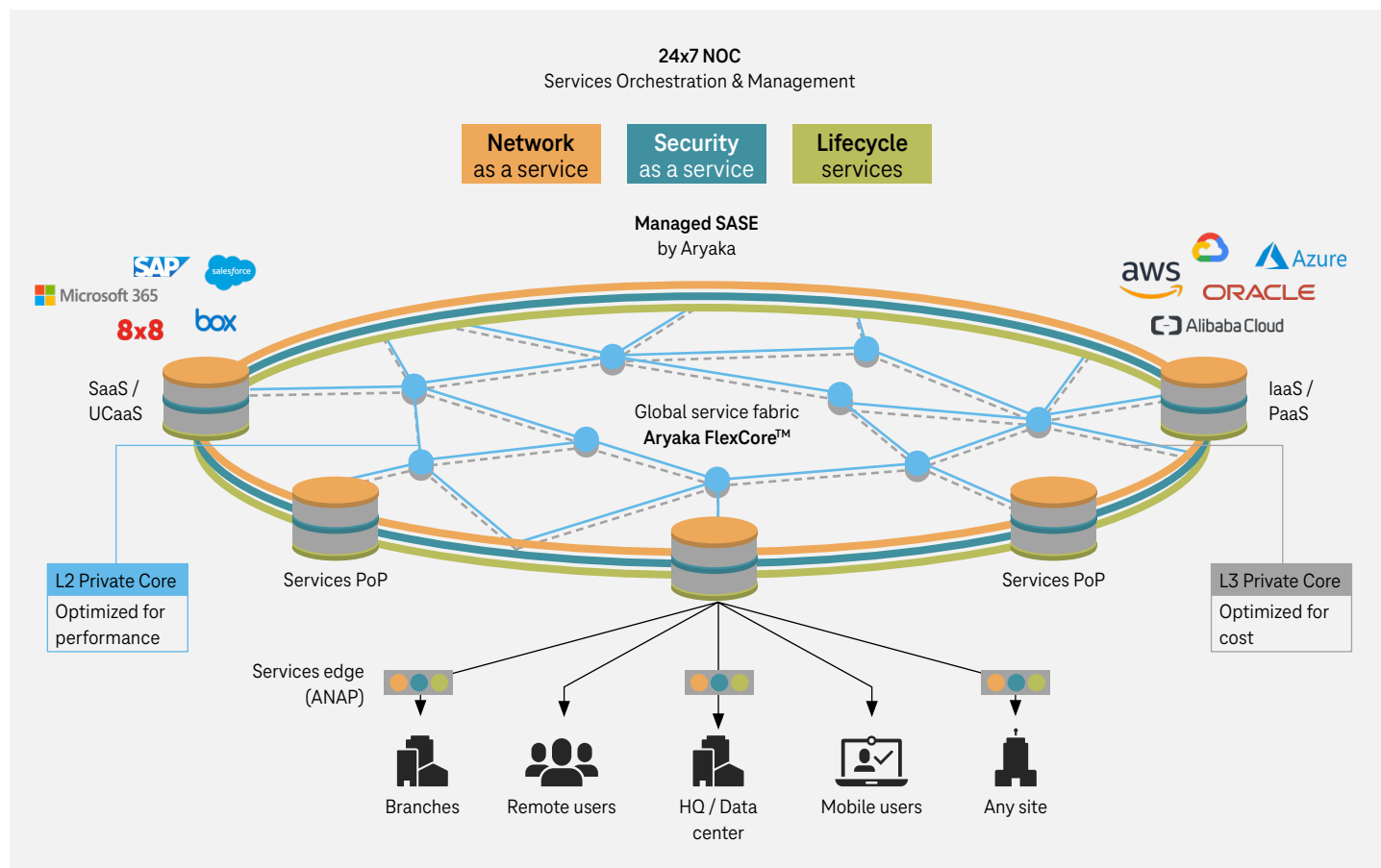
SD-WAN based on Aryaka

Best-in-class application experience around the globe

A cloud centric network gives you options to improve application performance and various network security options. Aryaka leverages more than 10 years of experience with their application acceleration solution built around Aryaka access points and a high-quality L2 backbone or cost-effective L3 backbone. Network points of presence use software-defined connectivity with major cloud providers to provide fast, high-quality connections to the customer's backbone.

Aryaka's platform has always been been perfectly suited for integrating security, and solutions based on the SASE framework continue to be developed and deployed today. The result is a single pane of glass with network and security integration. This translates to better insights into communications and easier provisioning of integrated changes.

Deutsche Telekom and Aryaka can deliver a solution within mere days. We accompany you every step of the way toward better application and network security by leveraging state-of-the-art Aryaka technologies with services from Deutsche Telekom for a solution that perfectly matches the needs of your business.

An efficient SD-WAN architecture you can rely on

24x7 NOC
Services Orchestration & Management

| Network as a service | Security as a service | Lifecycle services |

Managed SASE by Aryaka

Microsoft 365 · SAP · salesforce · 8x8 · box

aws · Google · Azure · ORACLE · Alibaba Cloud

SaaS / UCaaS

IaaS / PaaS

Global service fabric
Aryaka FlexCore™

L2 Private Core Optimized for performance

Services PoP

Services PoP

L3 Private Core Optimized for cost

Services edge (ANAP)

Branches · Remote users · HQ / Data center · Mobile users · Any site

Key features

- Global reach with Aryaka FlexCore — Layer 2 and Layer 3 dedicated cores
- Secure end-to-end connectivity
- Global quality connectivity with Chinese sites within one week
- Pre-wired multi-cloud direct links
- Sophisticated multi-segment application optimization and acceleration
- Flexibility and elasticity
- Day-1 SLAs via converged backbone
- Edge and cloud security
- OPEX-based cloud consumption model
- 99.99% uptime
- Centralized orchestration and advanced analytics via Aryaka AppAssure

Your benefits

A comprehensive solution
Last-mile procurement and management can be complex. We provide end-to-end network management coverage by making the experience hassle-free with procurement, deployment, and monitoring of an enterprise's last-mile needs. Dedicated expert support with 24x7 link monitoring coverage and intelligent link availability technology ensures reliable connectivity.

Airtight security
Secure internet access is delivered as a global cloud service with URL filtering, content scanning, real-time threat intelligence, and cloud firewall with unified policy enforcement across sites, users, and devices. Converged network and security technology are vertically integrated with service workflows and lifecycle services management for an easy-to-consume SASE experience.

Global performance
Application performance makes or breaks the user experience. Aryaka's patented multi-segment architecture and embedded optimization solutions deliver highly predictable performance worldwide even for the most demanding applications, no matter where your users are located.

Unlimited flexibility
Migrating from MPLS and internet connectivity is easy with built-in support from the Aryaka solution. You get seamless integration of connectivity options for existing MPLS, site-to-site internet, and public internet paths with the Aryaka FlexCore network backbone.

The Deutsche Telekom Global Business portfolio

We are your partner of choice for design, implementation, and operation of secure SD-WAN solutions perfectly tailored to the needs of your business.

Zero-risk migration
We leverage tried-and-trusted industry-leading migration methodologies and operational principles — with a Zero Outage track record.

End-to-end service
We provide a single, accountable point of contact, offering personal, end-to-end service.

Multiple deployment options
Our SD-WAN services can be used as complete network solutions including our internet access service or MPLS network.
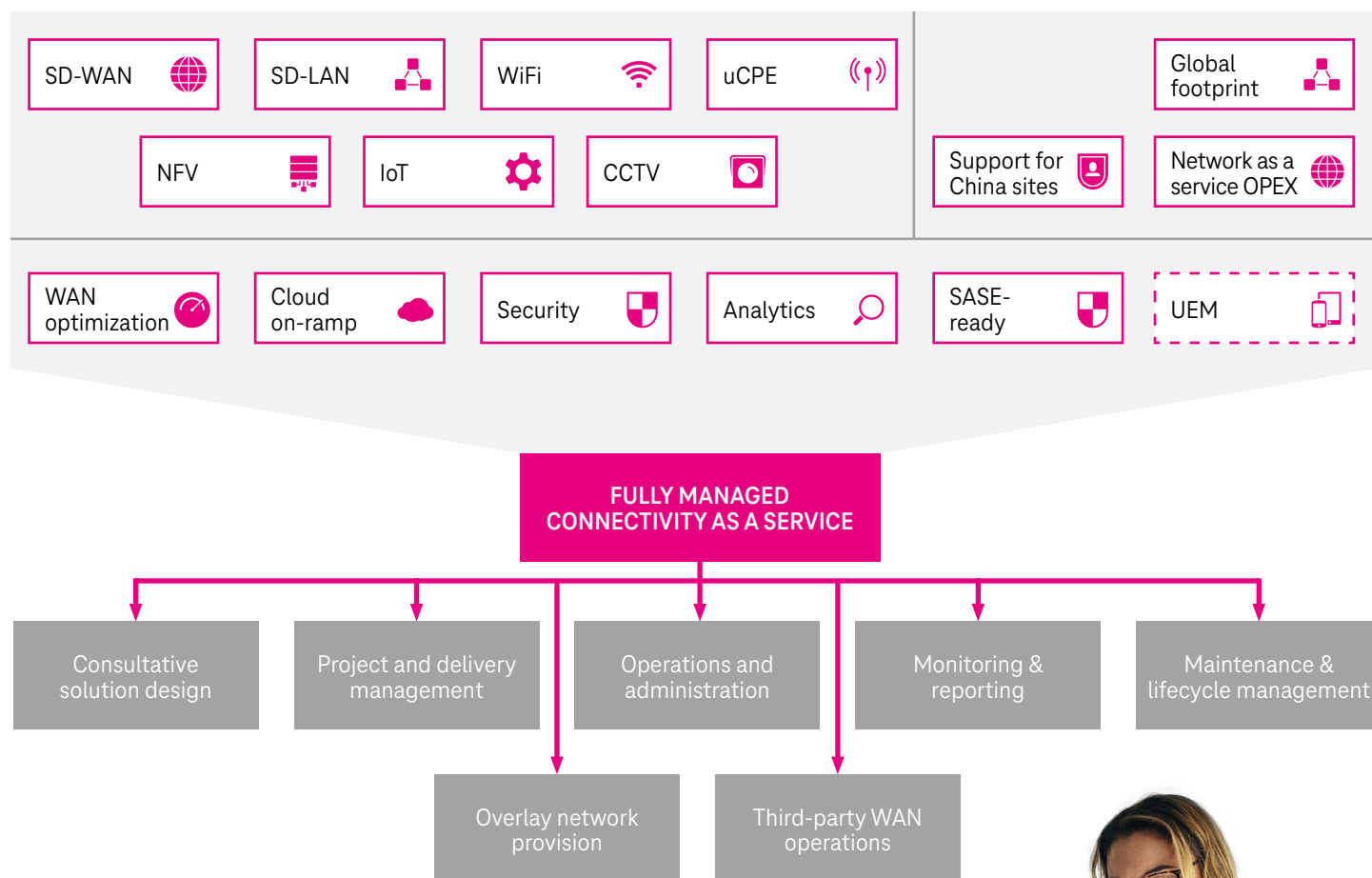
Consultancy approach
We help you build an SD-WAN solution that is a perfect match for your company's DNA by analyzing current and future business needs.

Benefit from our vast experience

Planning and migrating towards a business-centric SD-WAN solution requires a lot of aspects and elements to be considered — no matter whether it's the underlay network, end point devices, geographical reach, security, or analytics. When selecting Deutsche Telekom Global Business as your partner we'll help you to sort out this complexity, making you benefit from the vast experience we've developed throughout the years from successfully servicing more than 500 customers with fully managed connectivity.

SD-WAN	SD-LAN	WiFi	uCPE		Global footprint
NFV	IoT	CCTV		Support for China sites	Network as a service OPEX

WAN optimization	Cloud on-ramp	Security	Analytics	SASE-ready	UEM

FULLY MANAGED CONNECTIVITY AS A SERVICE

Consultative solution design	Project and delivery management	Operations and administration	Monitoring & reporting	Maintenance & lifecycle management

Overlay network provision	Third-party WAN operations

Success stories

SD-WAN solution for railway manufacturer

SD-WAN solution for Vanderlande

The company

A leading global provider of equipment, systems, digital solutions, and value-added services for the freight and transit rail sectors with 27,000 employees in 50+ countries.

The project

Quickly and cost effectively integrating acquired companies is business-critical to this leading global provider of equipment and services for the freight and transit rail sectors. Deutsche Telekom Global Business introduced a highly standardized SD-WAN solution by Aryaka. The solution enables the customer to bring new acquisition sites on board quickly and securely while reducing costs and complexity at over 260 global locations.

The company

Vanderlande is a global market leader in logistics process automation for airports and parcel delivery headquartered in the Netherlands.

The project

Vanderlande sought to enable their IT organization to support the productivity needs of their global workforce. To achieve this, the performance of business applications for their operations in Asia Pacific and North America needed to improve. Deutsche Telekom Global Business provided a flexible, fully managed, and cost-effective SD-WAN solution based on Aryaka, enabling Vanderlande to reduce bandwidth by 25%, deploy and install sites in days, gain real-time visibility of the network and applications, and use of local internet circuits with a high degree of flexibility.

A strong partnership you can rely on

Deutsche Telekom Global Business

- Part of Deutsche Telekom Group
- 7 competence centers
- More than 400 SD-WAN experts
- Established in 28 countries

Aryaka

- Headquartered in San Mateo, CA.
- Customers in 100+ countries
- 65+ net promoter score
- 98% customer retention

For more information
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