in cooperation with

aruba
a Hewlett Packard Enterprise company

Deutsche Telekom SD-WAN based on Aruba

To transition to SD-WAN, you need the right strategy

Most enterprises have already begun migrating to the cloud. Over 70 percent of enterprise applications are already there. Many mid-size and large companies, however, are still in the midst of transitioning. This makes local internet breakouts more important for running SaaS and IaaS application instances. Some organizations have now halted development of services they operate through their own data centers.

62% of large companies have deployed software as a service (SaaS) applications
(According to a recent global Frost & Sullivan survey)

82% of these companies host workloads in infrastructure as a service (IaaS) data centers
(According to a recent global Frost & Sullivan survey)

Key challenges

New ways of working demand more from networks

- Use the internet to connect users directly to cloud applications
- Continuously deliver a high quality of experience for apps
- Keep up with changes to the WAN without configuring and administering devices individually
- Deliver new applications to 100s or 1,000s of sites, across multiple clouds, in less time than before
- Continuously monitor all applications and services to know which issues to focus on, across all sites
- Reduce human error in a complex and changing environment
- Deliver more bandwidth at the WAN edge without extra costs
- Ensure the WAN is never a roadblock and is always able to fully meet the requirements of the business
- Ensure security even on open, accessible, connected clouds

SD-WAN based on Aruba

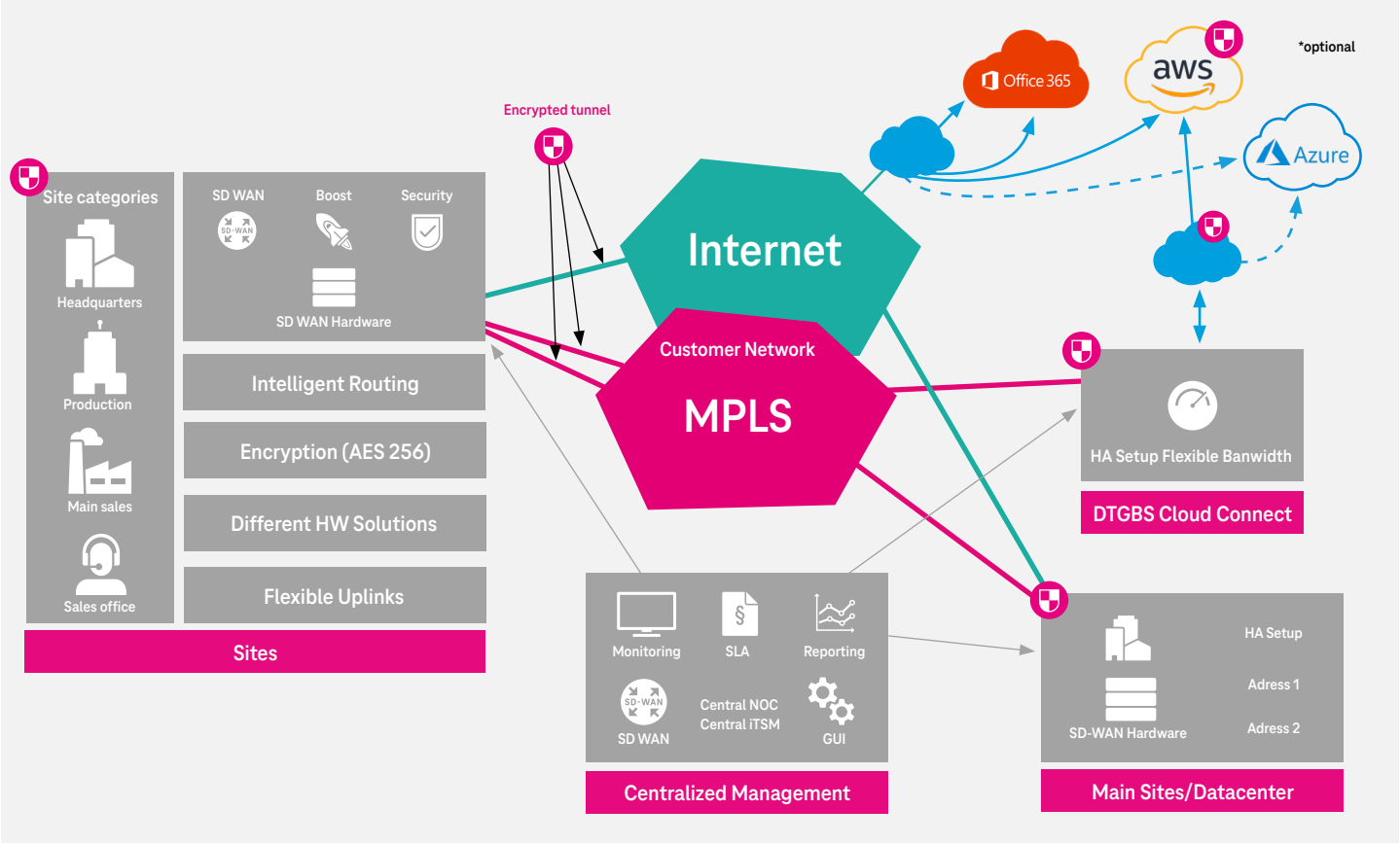
The next step in the evolution of the WAN

Software-defined wide area networks (SD-WANs) from Deutsche Telekom based on Aruba EdgeConnect are offered as a fully managed or co-managed services.

The majority of traditional wide area networks (WANs) are based on hybrid architectures. The combination of multiple different underlays (for instance MPLS or broadband internet service) enables flexible and dynamic traffic offloading. You also get decentralized management, scalability, and application traffic steering based on link performance. An SD-WAN brings all of these capabilities together in a single fabric with centralized control functionality to securely and intelligently direct traffic across the WAN. This increases application performance and delivers a high quality user experience, resulting in increased productivity and agility while lowering IT costs.

Unlike traditional WAN architectures, an SD-WAN is designed to fully support applications hosted either on-premise or in public or private clouds including SaaS services such as Salesforce and Office 365 while delivering the best possible application performance.

An advanced and secure SD-WAN platform based on Aruba



Key features

- **Application visibility and control**
  First-packet iQ for over 10,000 known & customer-defined applications including monitoring and reporting
- **Interworking with cloud security as part of SASE**
  Deep API integration to automatically manage locations and monitor tunnels
- **Multi-cloud support for IaaS, PaaS, and SaaS**
  Hosting virtual EdgeConnects in the cloud for optimal performance-based traffic routing to cloud providers
- **Co-management for SD-WAN & firewall policy**
  Secure administrative access for customers via role-based access control or Deutsche Telekom Customer Order Portal
- **Customer-owned access**
  Provider management as a service including proactive monitoring & alarming (for Internet & MPLS)
- **Optimize TCO for network, security and WAN optimization**
  Consolidation of network services & flexibility for uplinks and subscriptions including WAN optimization

Your benefits

- One license for all features (WAN optimization Boost not included)
- Integrated WAN optimization on-demand
- Business intent overlays create a virtual WAN per application-class
- End-to-end security | segmentation & cloud proxy integration
- Focus on analytics & application | dashboard | customization

USPs

- Highest availability and guaranteed service levels for each location
- Prioritizing relevant business traffic (quality of service)
- Excellent Office 365 user experience
- Building a base for centralizing additional IT services
- Cloud readiness
- Greater redundancy & availability
- Optimized cloud connection
- Global provider harmonization
- Easily connect new locations with ZTP (zero-touch provisioning)
- Native integration of cloud security solutions

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.

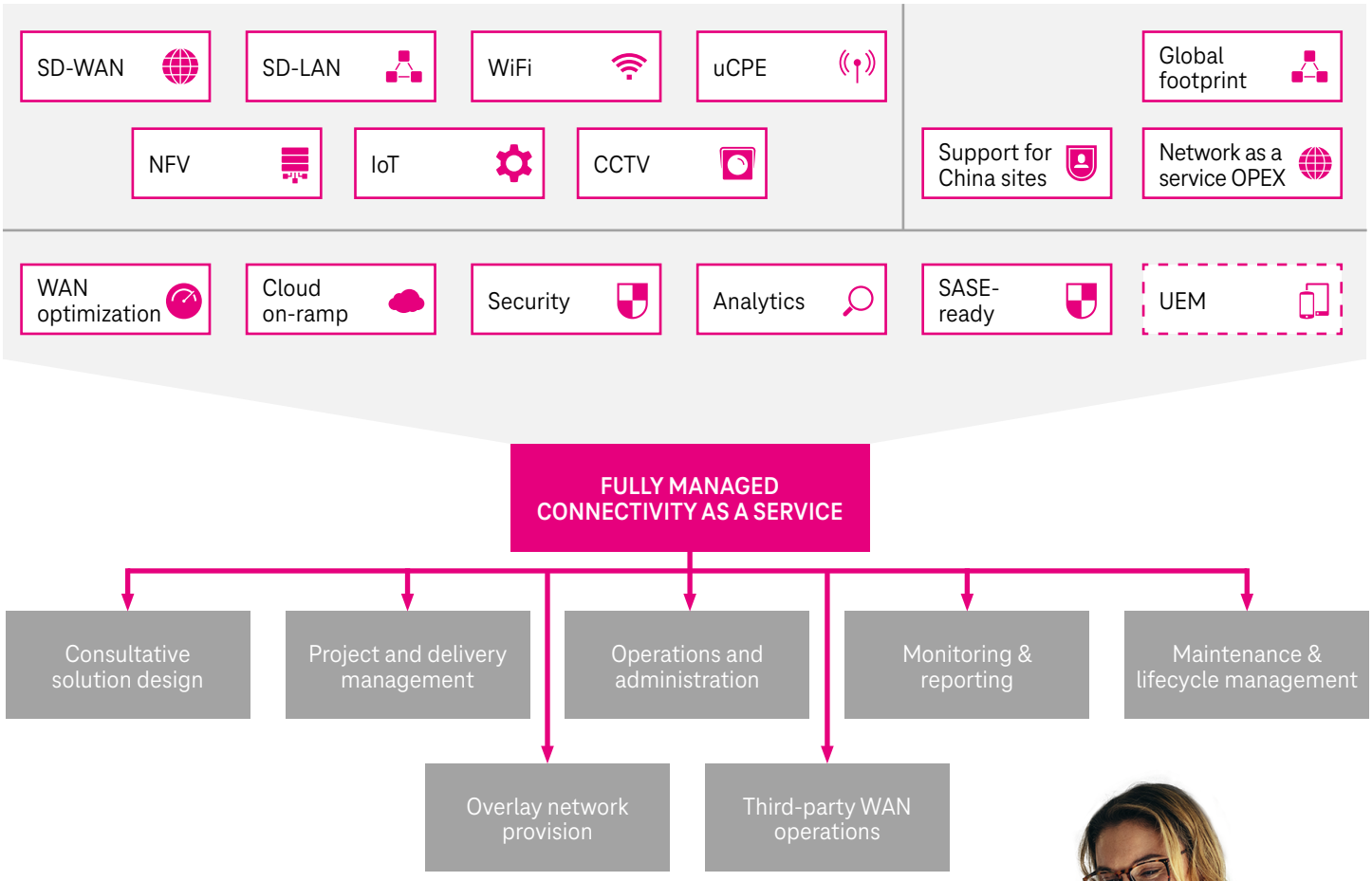
End-to-end service
We provide a single, accountable point of contact, offering personal, end-to-end service.

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

Whether it's the underlay network, endpoints, geographic reach, security, or analytics — there are many aspects to consider during the planning for and migration to a business-centric SD-WAN solution. When you choose Deutsche Telekom Global Business, you get the expertise this level of complexity demands. Profit from the vast experience we've accumulated over the years by successfully providing more than 500 customers with fully managed connectivity.



Success story

SD-WAN solution for leading engineering firm

The company
A leading global partner for plant construction, engineering, and lifecycle services in the metals industry, the customer employs 9,000 people at 70 locations worldwide.

The project
The pandemic was the catalyst to re-think IT and networking. The decision was made to transition from an MPLS-only network to a next-generation SD-WAN. That meant connecting about 70 locations worldwide and implementing local internet breakouts across all of the branches. The existing MPLS network was redesigned and MPLS backups with internet were replaced. Zscaler was also integrated with both ZIA and ZPA.

SD-WAN solution for major producer

The company
A manufacturer based in Germany that develops, produces and markets polymer materials at dozens of sites in Europe, Asia and America.

The project
A global manufacturer sought to improve its business and IT agility. It decided to roll out a private cloud and cloud-enabled network to digitize processes and facilitate growth. The SD-WAN model needed to expand to include unified communications and voice. The organization also wanted to migrate from Cisco unified communications to Microsoft Teams. Deutsche Telekom Global Business set up a global SD-WAN using MPLS intraselect and internet local breakouts as a direct cloud path. Aruba EdgeConnect runs on a vendor appliance as well as virtually. The manufacturer deployed Microsoft Teams globally and implemented regional voice setups.

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

Aruba

- Founded in 2002
- Headquarter in Sunnyvale, CA
- More than 2,000 enterprise production deployments
- Services in more than 100 countries

For more information
business.telekom.com
business@telekom.com

Publisher
Deutsche Telekom
Global Business Solutions
Landgrabenweg 151
53227 Bonn, Germany