Aryaka SmartConnect

Aryaka SmartConnect

The **Aryaka SmartConnect SD-WAN service** leverages Aryaka's FlexCore™ global network fabric, providing the optimal combination of service level guarantees for any site, application, cloud, or user, as-a-Service. Aryaka FlexCore maps traffic into one of two transport infrastructures:

The **Layer 2 Private Core** delivers on guaranteed, deterministic performance and is backed by Aryaka's award-winning Gold lifecycle services. Aryaka's Layer 2 Private Core offers deterministic MPLS-like performance at reduced cost, and is the foundation for Aryaka's SmartConnect Pro service.

The **Layer 3 Private Core** is built on a best-of-breed, multi-provider backbone and reliably delivers on superior, enhanced internet performance combined with Aryaka's Silver lifecycle services. Aryaka's Layer 3 Private Core delivers on far more predictability than the public internet, greatly lowering risk as enterprises increasingly adopt internet connectivity to replace MPLS. Aryaka's SmartConnect EZ service is based on the Layer 3 Private Core.

Aryaka SmartConnect also provides public internet breakout for non-critical applications as well as built-in MPLS interoperability to smoothly support traditional MPLS-based sites, further facilitating a no-risk migration strategy.

Why Aryaka SmartConnect?

Global Reach with Lightning Performance: The SmartConnect service leverages Aryaka's FlexCore global backbone network with 40+ points of presence (PoPs) reaching 95%+ of the business population across six continents with sub 30ms latency.

Day-1 Service Level Agreements: No waiting period for "network stabilization." Service level agreements kick-in on Day-1 for optimal application performance.

High Availability (up to 5 Nines): Aryaka offers multiple levels of redundancy including first-mile/last-mile, CPE and PoP-level. Depending on the SmartConnect service, uptime is 99.999% or 99.99%.

Multi-Cloud Ready: Aryaka SmartConnect offers choice to connect to public clouds, SaaS providers or partner clouds.

Edge and Cloud Security: Aryaka's SmartConnect includes stateful firewalls, micro-segmentation, and zones within the Aryaka's managed CPE, the Aryaka Network Access Point (ANAP). It also integrates cloud security and virtual Firewalls that leverage best-in-class security partners.

Secure End-to-End Connectivity: Aryaka procures and manages the first mile/last-mile circuits as an optional service to complement our secure global FlexCore™, delivering end-to-end connectivity to any branch, cloud or data center.

Adaptive Traffic Management: Aryaka's SmartConnect includes sophisticated end-to-end application and network optimization. Last-mile SLAs are further enhanced through intelligent high availability technology as part of the Aryaka FlexCore.

Management and Insights: Aryaka's managed automation and orchestration capabilities are backed by 24x7 support. The MyAryaka cloud portal with integrated AppAssure gives insightful analytics about the state of the WAN and applications, providing co-management/self-serve capabilities to monitor, manage, and maintain app performance with a single tool.

Flexible WAN Services Architecture
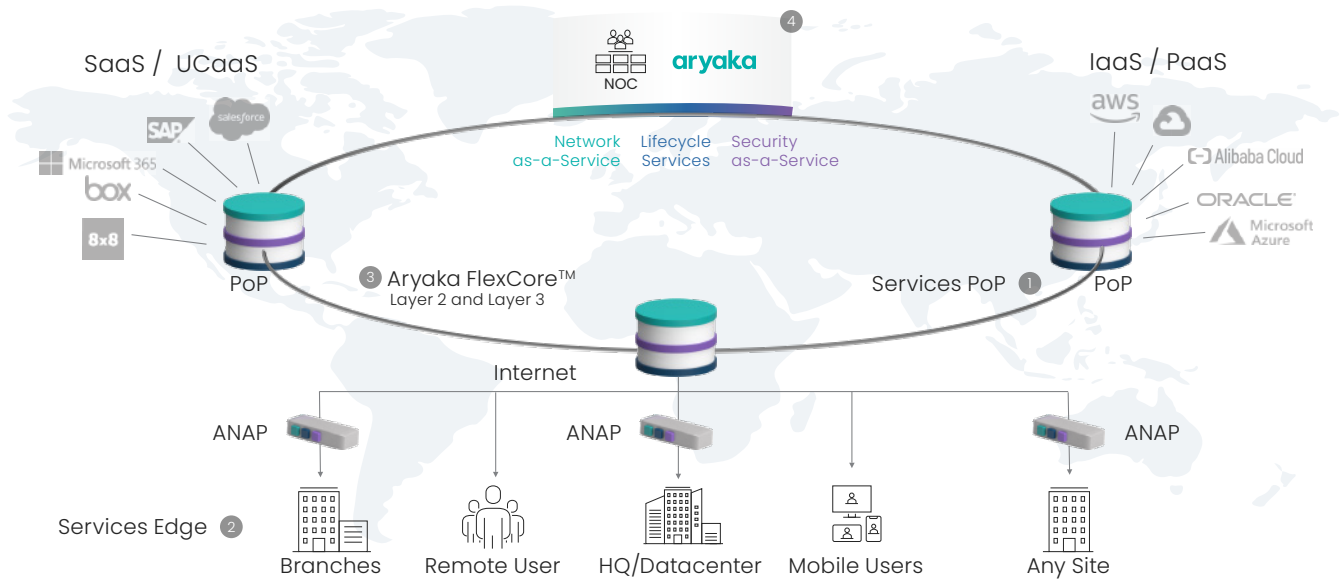
1 PoP: Full Hardware stack with Software-delivered services aggregation (connectivity, optimization, security, visibility)

2 Services Edge: Manage HW or SW uses a tight handshake with **Services PoP** to deliver service intelligence to sites, users, devices

3 Aryaka FlexCore™: Dynamic, multi-cloud Services Fabric extends to the **PoPs**, to the **edge**, and into the **cloud**

4 24x7 NOC: Global services orchestration and visibility / monitoring

Aryaka SmartConnect Benefits

Fast Deployment	Operational Simplicity	Lower TCO
• Deploy sites rapidly in hours/days	• Closed-loop workflows for services and support	• 100% subscription-based model
• Connect to clouds seamlessly worldwide	• Fast change management	• No CAPEX and no rip-and-replace Hardware costs
• Zero-touch deployment for the services edge	• Co-management / white-glove service management options	• Integrated cloud-first services architecture
• Unlike Telco/MPLS experience - No complex, multi-vendor stitched together solutions	• Single vendor with a single point of contact model	• Choice of right-sized optimal price/performance and service level deployment options
	• Customer-centric culture backed by high customer satisfaction / NPS ratings	

Aryaka FlexCore™

Aryaka FlexCore™ allows customers the flexibility to designate sites according to their performance and service level requirements. SmartConnect Pro sites designated as high performance/mission-critical have also the flexibility to utilize both of the cores while SmartConnect EZ sites can only use the Layer 3 private core. Enterprises can choose a service optimized for performance and optimized for cost from Aryaka as a single provider.

Aryaka FlexCore™ also supports AppAssure and Adaptive QoS auto-configuring technologies, which further deliver on complete control over network resource allocation and full, immediate visibility into network and application performance.
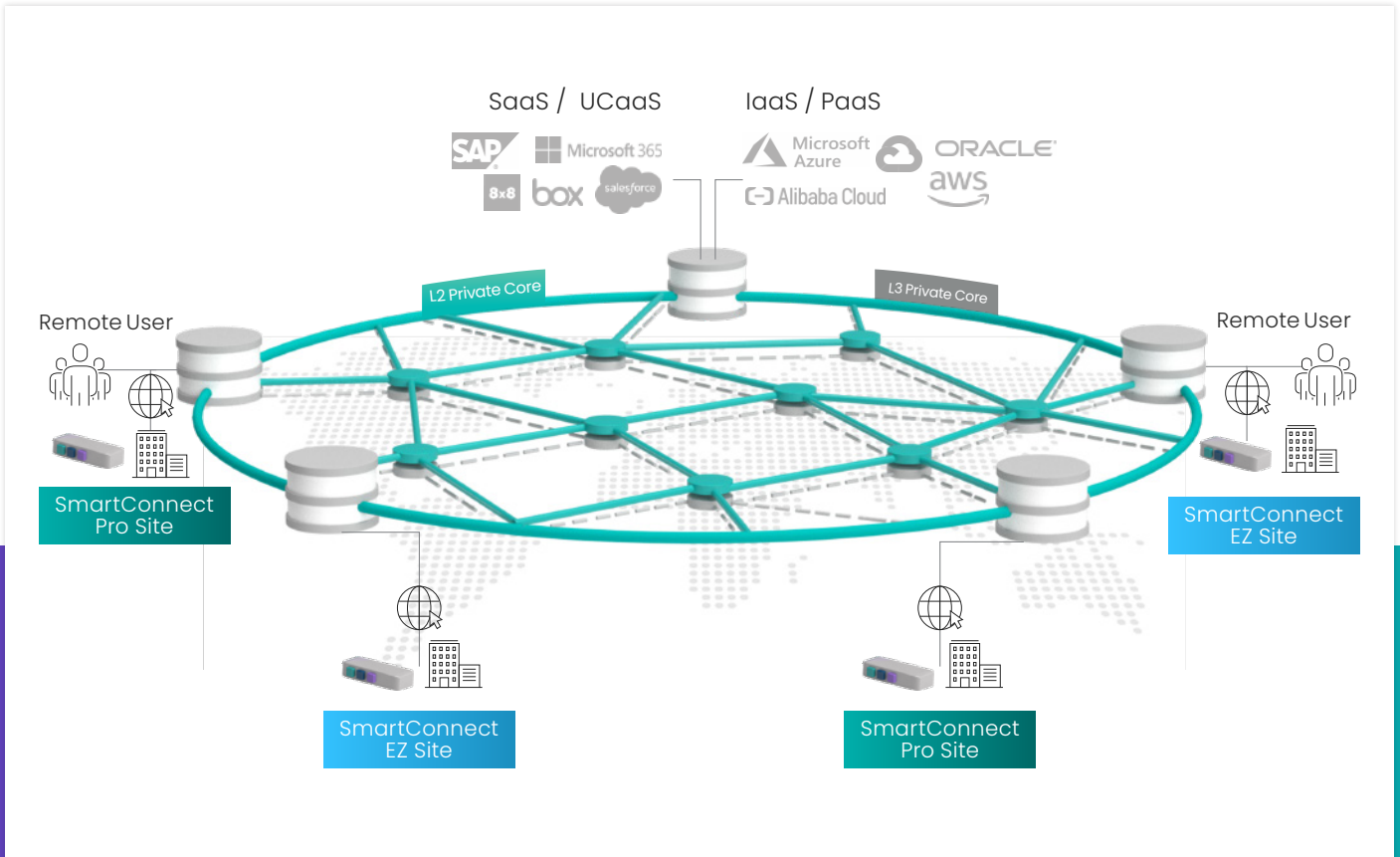
Aryaka SmartConnect Overview

Fast Deployment	SmartConnect EZ	SmartConnect Pro
Bandwidth		
Fixed Tiers/ 6 T-Shirt Sizes (XS, S, M, M+, L, XL)	⊘	⊘
A-la-carte (pooling, bursting)	✗	(1)
Core Network		
L3 Private Core	⊘	
L2 Private Core		⊘
Optimization		
TCP	✗	⊘
Application Proxy: SSL	✗	⊘
Application Proxy: CIFS/SMB	✗	⊘
Advanced Redundancy Removal (ARR)	✗	⊘
Multi-Cloud Networking		
IaaS-SDCI	⊘	⊘
SaaS Peering	Option	Option
Cloud Transport Network (i.e., Azure VWAN, AWS TGW)	✗	⊘
Traffic Steering / Link Assure (VPN Path Aryaka)		
Path Preference, Path Selection	⊘	⊘
Path Replication, Load Balancing	⊘	⊘
Packet Loss Recovery, De-jitter	⊘	⊘
MPLS Interworking	✗	⊘
Hybrid WAN (Internet VPN Path)		
Site-to-Site over Internet	⊘	⊘
Internet Link Assure (Path Preference, Load Balancing, FEC, De-jitter)	⊘ (incl. with above)	⊘ (incl. with above)
Security		
Stateful Firewall L3/L4/App DPI	⊘	⊘
Micro-segmentation	⊘	⊘
Hosted/Managed NextGen Firewalls	Option	Option
Cloud Security Connector (i.e., Zscaler)	⊘	⊘
AppAssure (Observability & Control/DPI)	⊘	⊘
Private Access (Secure Remote Users)	Option	Option
Secure Web Gateway (Secure Internet Access)	Option	Option
SLA/Core Uptime	99.99%	99.999%
Service and Support	Silver-level	Gold-level

Aryaka SmartConnect EZ and Pro is available in 6 fixed tiers ("T-shirt sizes") subscribed bandwidth and site licenses for worldwide deployments. [1] SmartConnect Pro is also available as "a-la-carte" bandwidth and separate site licenses with Global and Regional deployment options for customers who prefer a more granular option.