



SmartSecure

Security-as-a-Service



Aryaka SmartSecure is designed to complement SmartConnect with managed SD-WAN Security-as-a-Service offerings.

- At the branch, an access firewall within the ANAP offers ‘north-south’ control, while an optional NFV-based Tier-1 managed firewall offers comprehensive L7 protection.
- **Aryaka Zones** extends this to the LAN with ‘east-west’ security, through site-segmentation with policy-based access. Together, the two capabilities segment WAN traffic, to Aryaka and to the internet, from LAN traffic, both internal and DMZ.
- The ANAP also supports **VRF-based micro-segmentation**, enabling multi-tenancy.
- Aryaka SmartSecure also extends security to the cloud through Aryaka’s security partner ecosystem – including **Zscaler, Palo Alto Networks & Symantec**.

Next Generation Firewall (NGFW) functionality supported as a Virtual Network Function (VNF).



Core Capabilities

1.

Cloud Security

Secure, local Internet breakout is enabled through Palo Alto’s Prisma Cloud Security Suite, Symantec’s Web Security Service, and Zscaler’s Cloud Security, protecting all ports and protocols without appliances.

2.

Micro-Segmentation

Micro-segmentation adds to the ANAP’s zones functionality. On-site, VLANs provide the local segmentation for internal and DMZ zones. Micro-segmentation extends this across the Aryaka core network via a BGP-driven VRF ‘lite’ functionality.

3.

Virtual Firewall

Aryaka’s ANAP supports NFV functionality for additional SDN-delivered services. We are partnering with multiple Tier-1 security vendors, enabling choice.. Management of physical firewalls part of the SD-WAN deployment is also supported.

4.

Secure Remote Access

Aryaka’s Secure Remote Access is the first clientless SD-WAN to software-defined remote access. It significantly enhances both on-premises and cloud/SaaS application performance for the remote and mobile workforce without requiring additional hardware or software clients.

5.

Aryaka Core Protection

In parallel, the Aryaka private core delivers partitioned connectivity to all enterprises, encrypting the data and protecting against DDoS attacks. Within the branch, enterprises have access to Syslog and Netflow logging, and at the network level, the MyAryaka cloud portal provides a single pane of glass for service configuration, monitoring and health.

6.

Edge Firewall

The ANAP includes a virtual stateful firewall that delivers north-south access protection as well as a ‘zones’ capability offering site-segmentation to secure east-west traffic within the branch. The ANAP aligns with the evolving Secure Access Service Edge (SASE), offering a choice of edge and cloud security.

Deployment Options

Remote Access

Secure Remote Access is an optional capability for both Global and Regional deployments.

Aryaka + Zscaler

An enterprise may consume Zscaler's complementary cloud-based security-as-a-Service, with Aryaka directing traffic appropriately.

Aryaka + Palo Alto

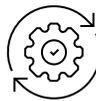
Remote workers may access Aryaka via Palo Alto's Prisma Cloud Security Suite, providing authentication and acceleration.

Benefits achieved by using Aryaka SmartSecure



Managed SD-WAN Security

With WAN security top-of-mind, Aryaka's SmartSecure offers enterprises an end-to-end secure infrastructure, first-mile, middle-mile, and into the cloud.



Operational Simplicity

Edge and cloud security leveraging Tier-1 partners is part of Aryaka's end-to-end managed SD-WAN, hiding complexity from the enterprise.



Lower TCO

SD-WAN security helps enterprises generate the maximum return on their SD-WAN investment, ensuring protection from external threats and the integrity of corporate data, anywhere in the world.

Aryaka's SmartSecure is aligned with the evolving Secure Access Service Edge (SASE) architecture. Our security offerings cover both the branch and the cloud, offering enterprises the choice of where to deploy their security based on individual requirements. Importantly, we plan a single operational model and feature set that spans both domains.

		Global	Regional
SmartSecure	Edge Essentials (Firewall, Micro-segmentation)	Included	Included
	Virtual Firewall Hosting and Virtual/Physical FW Management	Optional	Optional
	Cloud Security Connector	Included	Included
	Secure Remote Access	Optional	Optional
	ANAP-based N-S and E-W access firewall; Branch micro-segmentation and multi-tenant support		
	NFV FW on ANAP and management of enterprise physical and virtual firewalls		
	Cloud-hosted security based on site capacity (Small/Medium/Large)		
	Global ExtraNET, Global VPN, or BYO VPN Concentrator		

