aryaka

wasabi
hot cloud storage

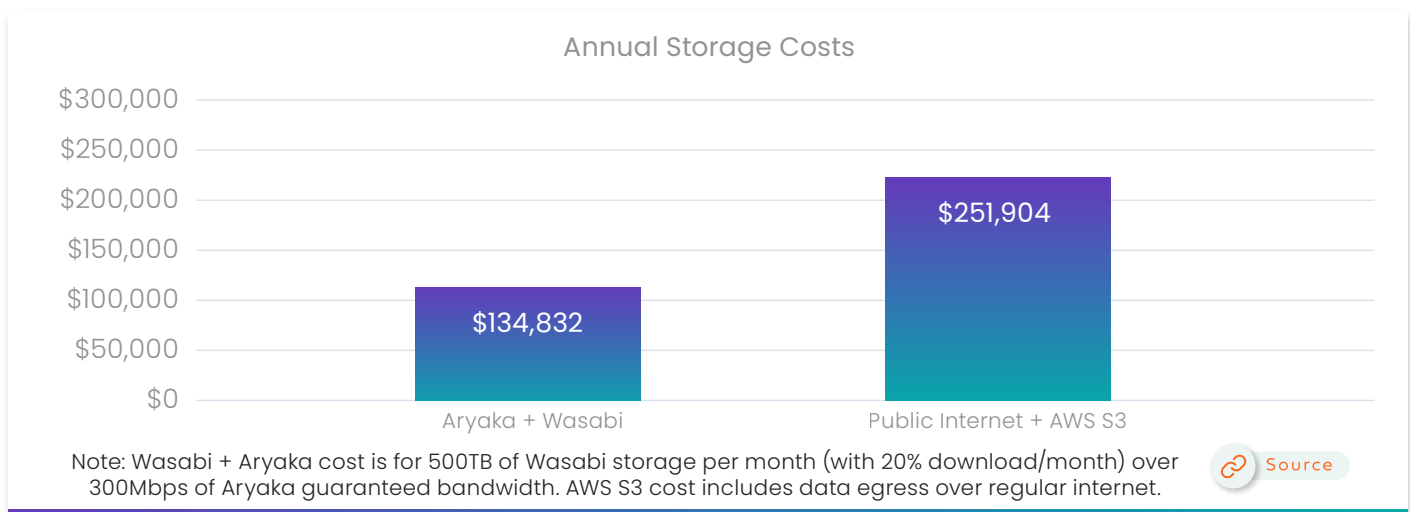# Aryaka and Wasabi Deliver Performance Boost for Cloud Storage

Enterprises are moving more data and workloads to the cloud. For many companies, migrating their data to the cloud is a necessity, but with Wasabi it's also an opportunity. Wasabi is the cloud storage company delivering disruptive storage technology at substantially lower price points than Amazon S3. It charges no fees for egress or API requests and, combined with Aryaka Core Layer 2 Network, is a lot faster.

Wasabi hot cloud storage can be used for a variety of purposes including primary storage for on-premises or cloud-based workloads, secondary storage for backup and recovery, or archival storage for long-term data retention.
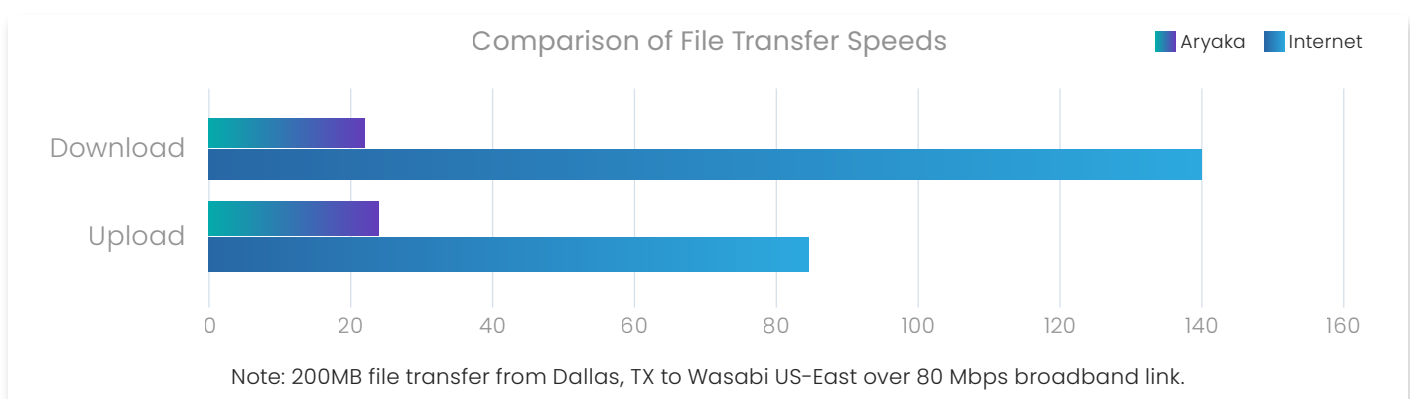
Wasabi Use Cases

Backup and Recovery	Archival	Content Delivery
Surveillance	Application Development	Internet of Things
DevOps	AI/ML	Data Analytics

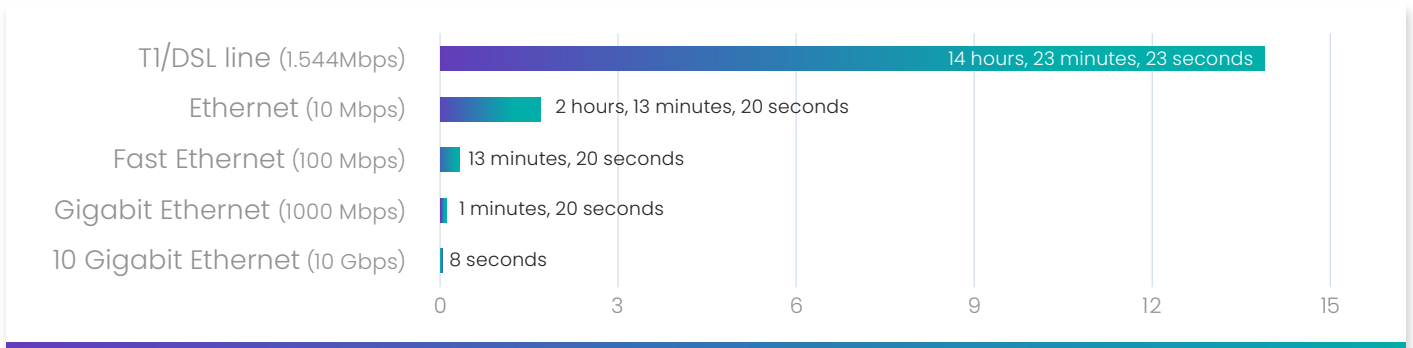## Aryaka and Wasabi – Better Together and 87% Lower Cost than AWS S3

Annual Storage Costs

Note: Wasabi + Aryaka cost is for 500TB of Wasabi storage per month (with 20% download/month) over 300Mbps of Aryaka guaranteed bandwidth. AWS S3 cost includes data egress over regular internet. 🔗 Source

Aryaka is 5 times faster than Internet!

Comparison of File Transfer Speeds ▪ Aryaka ▪ Internet

Note: 200MB file transfer from Dallas, TX to Wasabi US-East over 80 Mbps broadband link.

Networking Challenges

Network Contention and Slow Upload Speeds

With cloud storage, the disks are no longer in the same local area network as the servers or workloads. Cloud storage use cases typically deal with storing huge amounts of data (TB or more) over a wide area network to the cloud storage provider. The sheer volume of data presents a challenge to transport over the network. Here's how long it would typically take to transfer a 10 GB file over different network links:

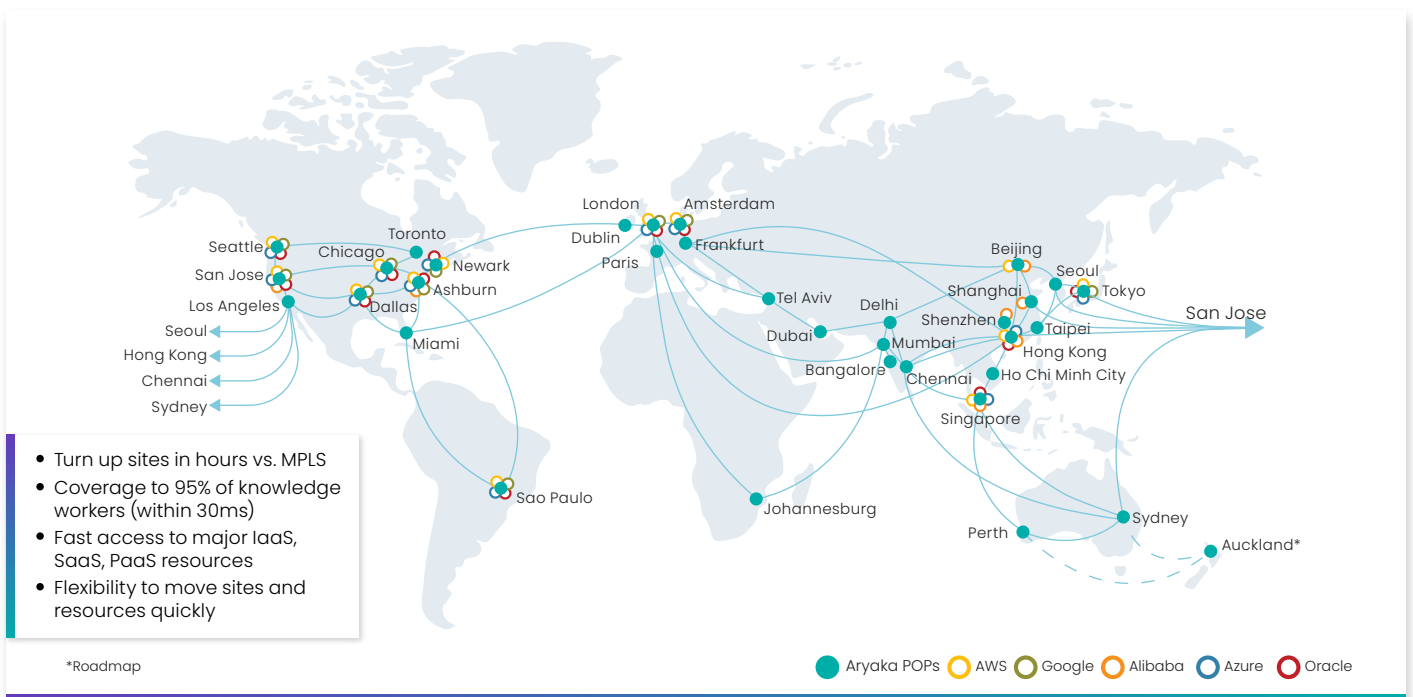|	
T1/DSL line (1.544Mbps)	14 hours, 23 minutes, 23 seconds
Ethernet (10 Mbps)	2 hours, 13 minutes, 20 seconds
Fast Ethernet (100 Mbps)	13 minutes, 20 seconds
Gigabit Ethernet (1000 Mbps)	1 minutes, 20 seconds
10 Gigabit Ethernet (10 Gbps)	8 seconds

Most Enterprise customers generate data in multiple GBs or TBs that need to be stored in the cloud on a daily basis. While cloud storage offers a cheaper alternative, the time taken to transfer the data becomes the problem. While internet bandwidth is cheap, it does not offer predictable performance.
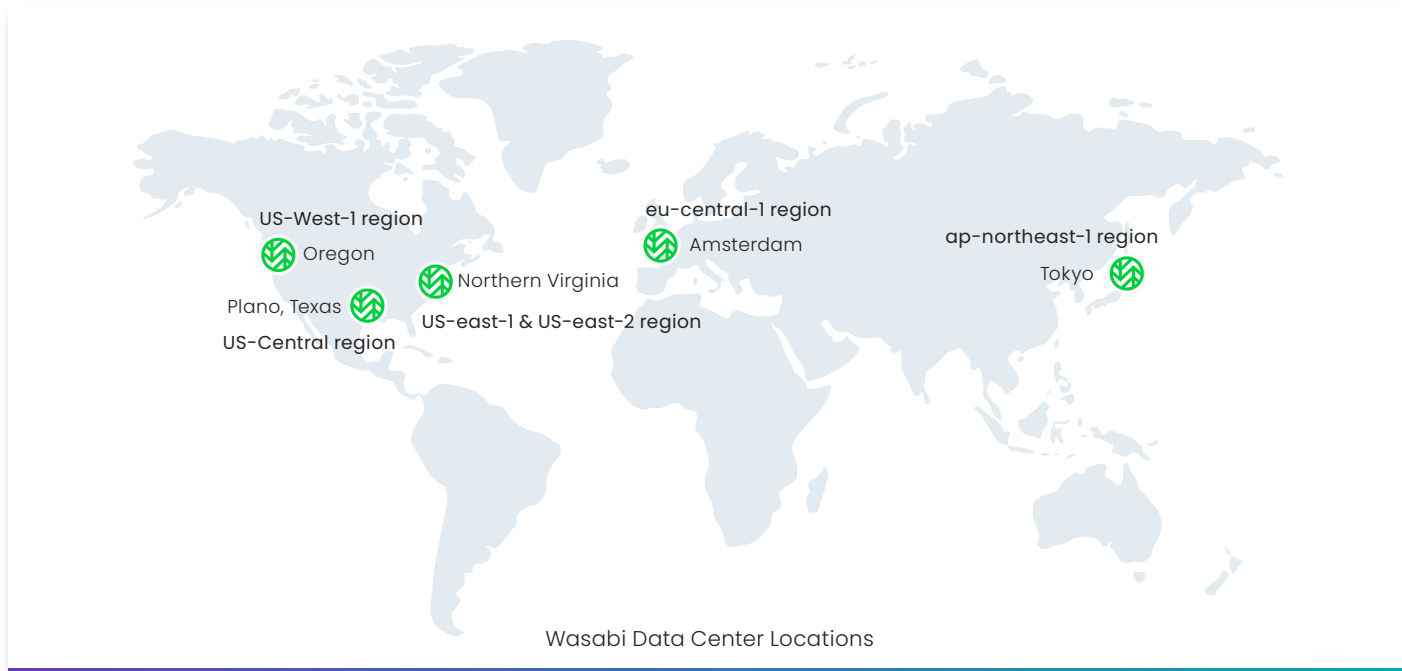
Bandwidth Challenges

An enterprise may be headquartered in a location with poor bandwidth and struggles with reasonably expected performance. Manufacturing, agriculture, hospitality, health care, mining, and many other types of organizations often find their headquarters lacking in internet service providers - with little or no competition, there's little incentive for these providers to offer more than the bare minimum.

Solution: Simplifying Cloud Storage Connectivity with Aryaka Global Points-of-Presence (PoPs)

Aryaka's global meshed L2 network with over 40 points-of-presence is the benchmark for global connectivity, performance and availability. The PoPs can service up to 95% of the world's knowledge workers under 30 msecs of latency. With up to 99.999% availability and Day-1 SLAs, Wasabi customers are a short hop away from Aryaka.

- Turn up sites in hours vs. MPLS
- Coverage to 95% of knowledge workers (within 30ms)
- Fast access to major IaaS, SaaS, PaaS resources
- Flexibility to move sites and resources quickly

*Roadmap

Aryaka POPs   AWS   Google   Alibaba   Azure   Oracle

Aryaka PoPs also offer a fast on-ramp to Wasabi Data Centers located in America, Europe and Asia.

US-West-1 region
Oregon

eu-central-1 region
Amsterdam

ap-northeast-1 region
Tokyo

Plano, Texas
US-Central region

Northern Virginia
US-east-1 & US-east-2 region

Wasabi Data Center Locations

Cloud Acceleration

Aryaka's built-in cloud acceleration allows Wasabi customers to connect to their SaaS applications over an SLA-driven connection from the nearest Aryaka PoP. This overcomes the latency and packet loss issues associated with the internet middle-mile and provides a cost-effective yet superior alternative for accelerating cloud application performance.

TCP Optimization

Aryaka uses patented multi-segment TCP optimization techniques with network QoS benefits to dramatically improve connection times to Wasabi cloud storage.

Data Compression

Aryaka delivers bandwidth optimization reduction that reduces the file size of data that is transmitted over the network, optimizing the available bandwidth for Wasabi storage.

SSL and CIFS Acceleration

Application proxies greatly improve the performance of WAN-intolerant applications by shortening the feedback loop. This will be relevant to Wasabi workloads that rely on these protocols.

Link Assure

Aryaka also offers enterprises the benefits of link aggregation and reduced network complexity at branch offices. It includes Load Balancing, Path Selection, and Single and Dual Link Packet Loss Recovery with proprietary error correction algorithms, all resulting in improved access to Wasabi workloads.

Last Mile

When required, Aryaka takes ownership of procuring, managing and monitoring the last mile circuits globally providing end-to-end visibility. This service greatly reduces the complexity of dealing with dozens or hundreds of different ISPs worldwide.

About Aryaka

Aryaka is the leader and first to deliver Unified SASE as a Service, the only SASE solution designed and built to deliver performance, agility, simplicity and security without tradeoffs. Aryaka meets customers where they are on their unique SASE journeys, enabling them to seamlessly modernize, optimize and transform their networking and security environments. Aryaka's flexible delivery options empower enterprises to choose their preferred approach for implementation and management. Hundreds of global enterprises, including several in the Fortune 100, depend on Aryaka for cloud-based software-defined networking and security services. For more on Aryaka, please visit www.aryaka.com