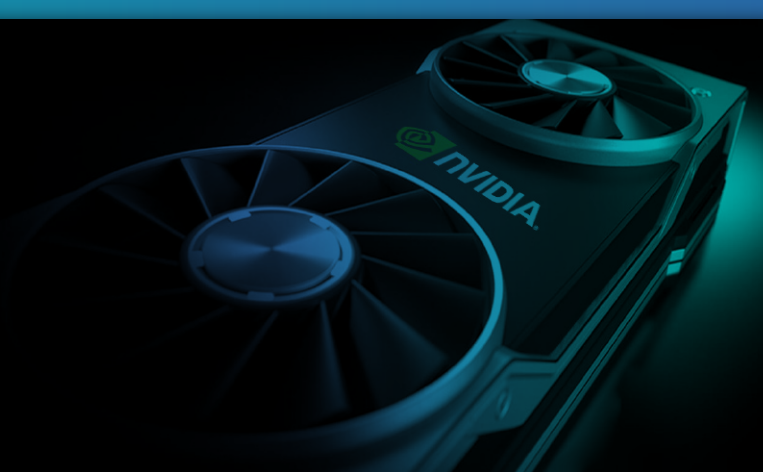


# NVIDIA Boosts Global Application Performance by Up to 80% With Aryaka



Since its inception in 1993, NVIDIA has taken the world of computer graphics by storm. With the introduction of their first-ever GPU in 1999, they became the pioneers of the gaming market and revolutionized computer and gaming graphics as we knew it.

NVIDIA is no stranger to innovation, and over the years, has constantly redefined the possibilities in the world of computing. However, creating those unreal graphic engines and awe-worthy graphics requires a lot of cross-border collaboration between multiple stakeholders. A challenge that caught team NVIDIA off-guard.

## Business Problems

With a globally dispersed team, NVIDIA relied heavily on collaboration with their peers based out of China. This is where things got complicated. Not only did their cloud-based applications take a solid hit in terms of performance while passing through application proxies in and out of China, but also the existing MPLS bill was burning a hole in their pocket, in spite of subpar performance.

What added to the frustration was the lengthy deployment timelines associated with MPLS to bring up new sites. Team NVIDIA needed to solve the issue, and they needed to do it quickly. The top concerns to be addressed were:

- Improve and accelerate global applications
- Improve connectivity for China-based users
- Enable remote workers for a hybrid workplace



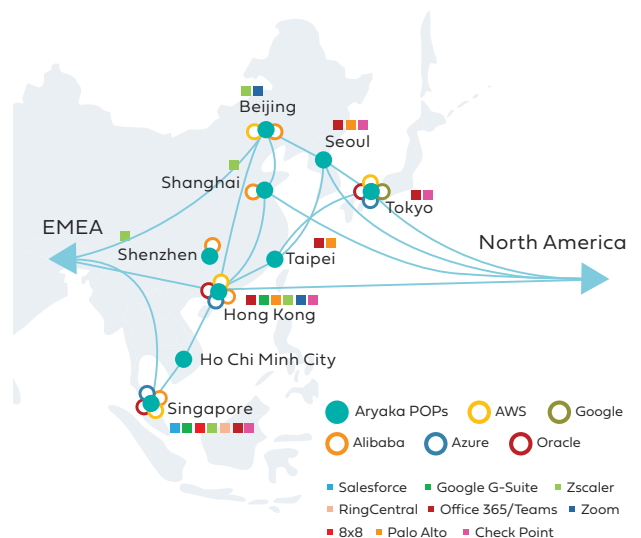
## The Aryaka Solution

After considering multiple solutions which offered fragmented solutions to their vivid challenges, NVIDIA came across Aryaka. A single hand-to-shake model that addressed all their network performance and security concerns.

Aryaka's **fully managed multi-cloud connectivity solution** provides optimal coverage of Asia in general and China in particular.

Aryaka's global PoP topology provides optimal coverage of the region, and the underlying global Layer 2 core ensures utterly deterministic enterprise network performance for all users, their devices and applications – be it cloud-based or on-premises.

Aryaka's long experience in providing global enterprise connectivity to companies with strategic hubs in China has become a key consideration for its customers.



After deploying Aryaka SmartServices, NVIDIA achieved the following results:

- Accelerated application performance by up to 80% globally
- Accelerated application performance in China by up to 10x
- Increased productivity and improved collaboration among end-users as a result of stable, reliable connectivity for end-users globally
- Enabled quicker deployment of new sites

Additionally, NVIDIA's IT organization saved both time and money by moving to a **managed SD-WAN solution**:

- Saved an estimated 25-50% of IT resources' time, allowing the IT organization to focus on other priorities
- Decreased their network TCO through decreasing staffing and training costs and reducing time spent on incident resolution

## The Aryaka Difference



### China Presence

Optimal coverage of key locations in China with state-of-the-art PoPs in Beijing, Shanghai, Shenzhen, and Hong Kong, while constantly expanding scale and presence.



### Low Latency

Under 30ms of first-mile latency to 95% of customers, partners, suppliers and employees in the China region.



### Superior QoS

Superior QoS behavior delivering deterministic latency, jitter and packet loss across Aryaka's private global Layer 2 network.



### Optimized Connectivity

Last-mile services that include contracting and monitoring allow enterprises to leverage Aryaka's experience in delivering optimal last-mile connectivity in the China region.



### Compliance

Effectively addresses the particular challenges of establishing optimal China presence, balancing compliance and local regulations without degrading performance.



### Optimization

Built-in first, middle, and last-mile optimization of SaaS applications improves productivity across UCaaS, CRM, productivity, and others and eliminates degradation from local internet performance issues.



### Operational Simplicity

Shields multi-nationals from the complexity of conducting business in China as well as assisting Chinese companies seeking to establish international connectivity.

"Aryaka accelerated our global applications by up to 80% and accelerated our applications in China by up to 10x."

-Vladik Arshanski, IT Director at NVIDIA

"Aryaka's stable and robust network provides reliable performance and quality for business applications such as video, voice and ERP."