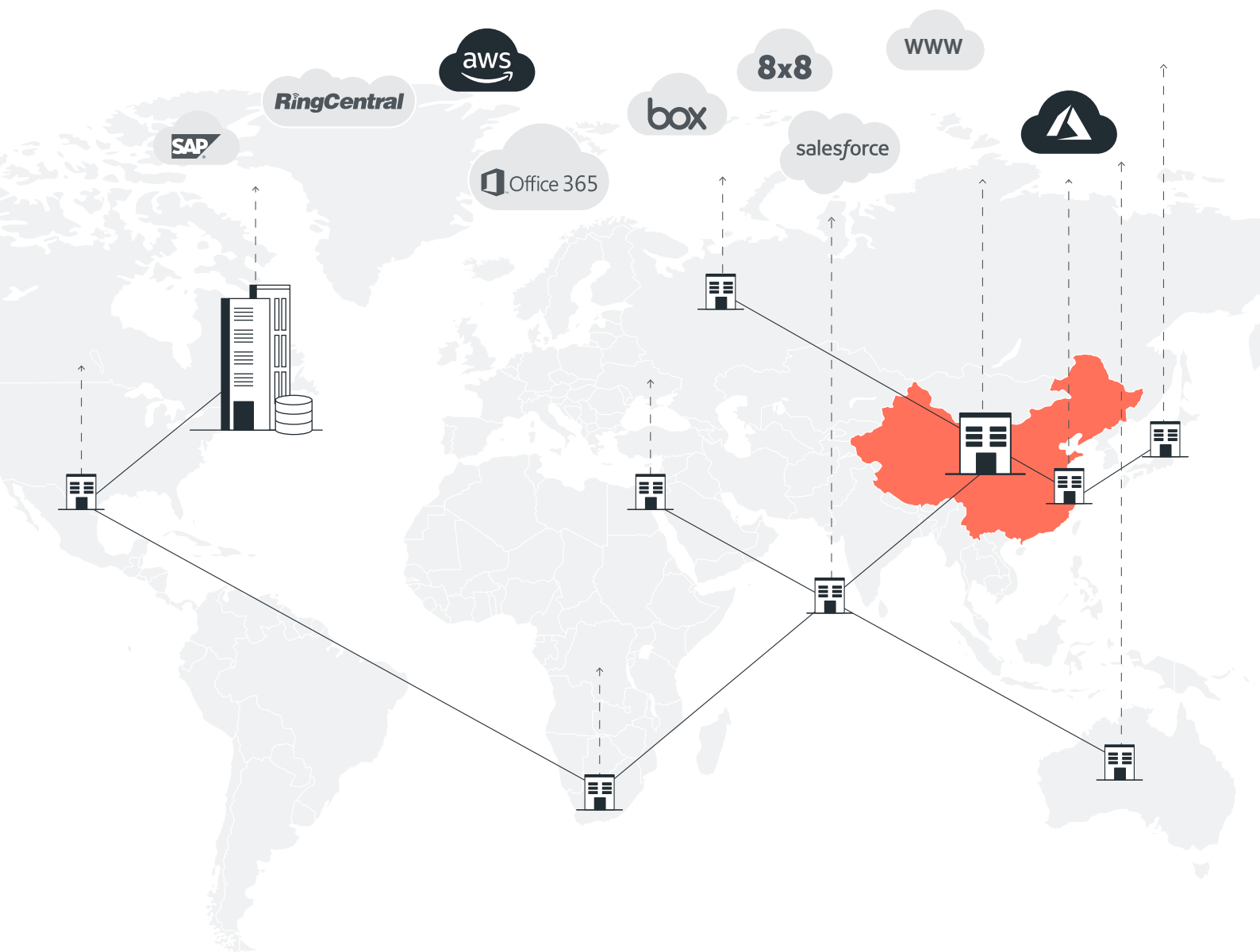


# How to Deliver Reliable, High-Performance WAN into Asia Pacific and China

Whether you're a manufacturing, engineering, or retail firm, global enterprises are aggressively expanding into Asia Pacific and, in particular, China. To establish their facilities, companies need reliable, high-performance network connectivity in-region and out-of-region to global datacenters.

If you're used to the reliable and affordable connectivity of North America and Western Europe, extending your network internationally could prove challenging. Here's is what you need to consider.



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## Global Connectivity in The Asia Pacific Region

The connectivity challenge in developing countries is twofold: the quality of last-mile infrastructure to remote locations and the high latency of global connectivity.

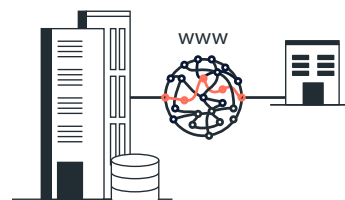
### Last-mile Considerations

Internet last-mile connections are often less reliable than in North America or Europe. This may be due to poor physical infrastructure or an oversubscribed connection shared by many businesses (such as with cable or ADSL). The situation is improving with countries upgrading their infrastructure. Still, a reliable Internet link may be unavailable, requiring the purchase of MPLS last-mile.



### Global Connectivity Considerations

When delivering applications across long distances, latency and packet loss — not bandwidth — will determine application performance. This established fact becomes critical for Asia Pacific connections. The long distances and poor Internet peering between Asia Pacific, North America and Europe exacerbate latency. Infrastructure problems and oversubscription can increase packet loss.



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## The Special Case of China's Global Connectivity

Overall, the connectivity inside China is very good, and China ISPs provide reliable services. However, due to regulatory oversight, traffic leaving the country must be inspected by a central firewall (also known as the "Great Firewall of China"). The firewall enforces Chinese regulations regarding the use of Internet and cloud services. As a result, global Internet-based connectivity from China exhibits high packet loss and high latency.



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## A Better Approach to Asia Pacific and China connectivity

With more than 65 points of presence (PoPs) worldwide, Cato has deep reach into all regions of the world, including extensive coverage of the US, Europe, Asia Pacific as well as China.

The Cato PoPs are interconnected using multiple Tier-1 networks and backed by clear SLAs for latency and packet loss. Cato's proprietary software continuously monitors the quality of all inter-PoP connections to establish the optimum route between locations. Customers gain predictable connectivity with minimum latency. Inherent to Cato's PoP software is advanced network security, enabling customers to enforce centralized security policies on WAN and Internet traffic without branch office security appliances.

Cato's Beijing, Shanghai and Shenzhen PoP is connected by a private and encrypted link through a government-approved provider to Cato's Hong Kong PoP. Designated for WAN and authorized Internet traffic, [Cato SASE Cloud](#) enables customer traffic exiting China to enjoy consistent low latency and zero packet loss. At the Hong Kong PoP (a mere 25ms away), traffic is optimally routed over Cato SASE Cloud to all global enterprise locations and cloud applications, such as Office 365.

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## Why Cato Networks?

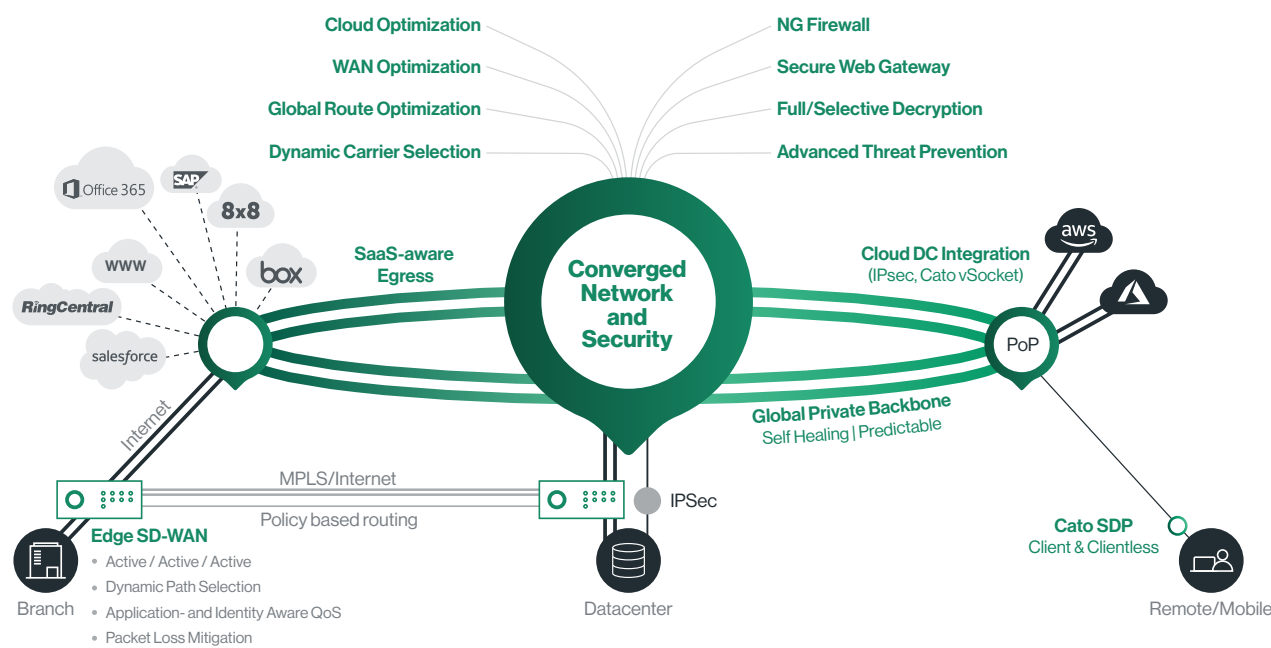
Cato Networks offers a simple and affordable solution to drastically improve your remote location's connectivity to the business. Cato will provide a consistent and predictable connection, which isn't subject to the whims of global Internet routing and doesn't exhibit the spikes of packet loss so detrimental to end user productivity. As an added value, Cato offers built-in, cloud-native network security that can eliminate distributed firewalls and reduce the costs and complexity of remote office IT.

[Contact us](#) for a free estimate of the potential cost savings and performance improvements you can expect by using Cato Networks.



# Cato SASE Cloud: Complete WAN Transformation

Cato is the world's first SASE platform, converging SD-WAN and network security into a global, cloud-native service. Cato optimizes and secures application access for all users and locations. Using Cato, customers easily migrate from MPLS to SD-WAN, optimize global connectivity to on-premises and cloud applications, enable secure branch Internet access everywhere, and seamlessly integrate cloud datacenters and mobile users into the network with a zero trust architecture.



## Cato SASE. Ready for Whatever's Next

### Cato SASE Cloud

- [Global Private Backbone](#)
- [Edge SD-WAN](#)
- [Security as a Service](#)
- [Cloud Datacenter Integration](#)
- [Cloud Application Acceleration](#)
- [Mobile Access Optimization](#)
- [Cato Management Application](#)

### Use Cases

- [MPLS Migration to SD-WAN](#)
- [Optimized Global Connectivity](#)
- [Secure Branch Internet Access](#)
- [Cloud Acceleration and control](#)
- [Remote Access Security and Optimization](#)
- [Flexible Management](#)

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