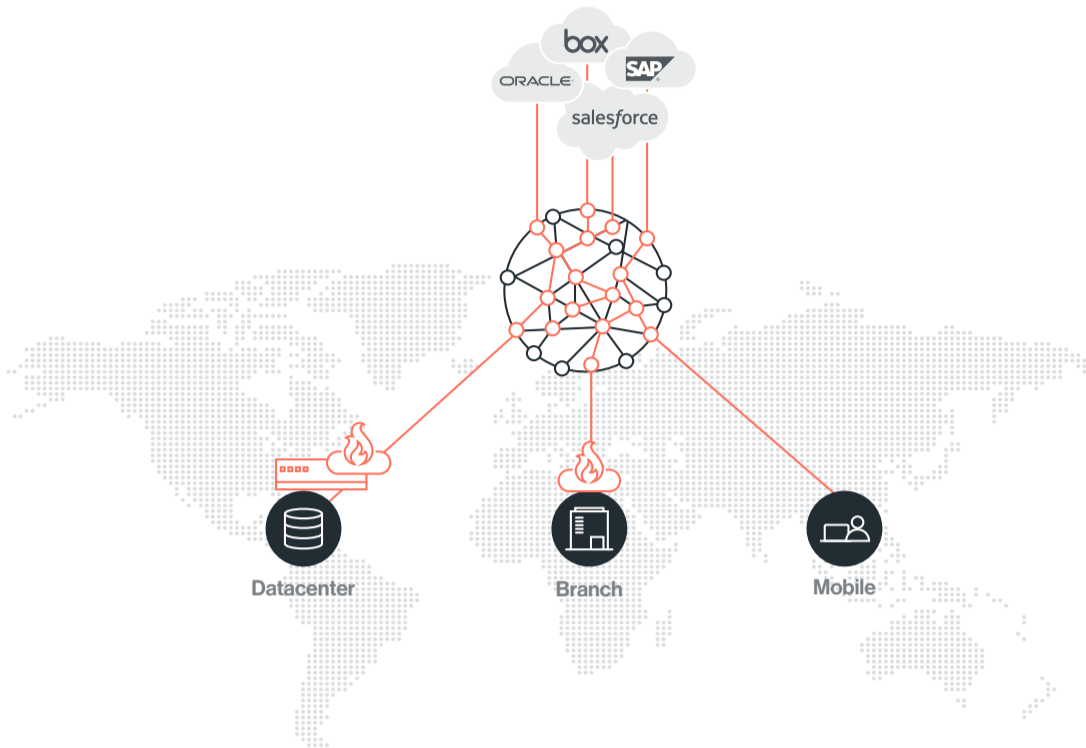


Optimization for SaaS



Migration to cloud applications impacts your network design

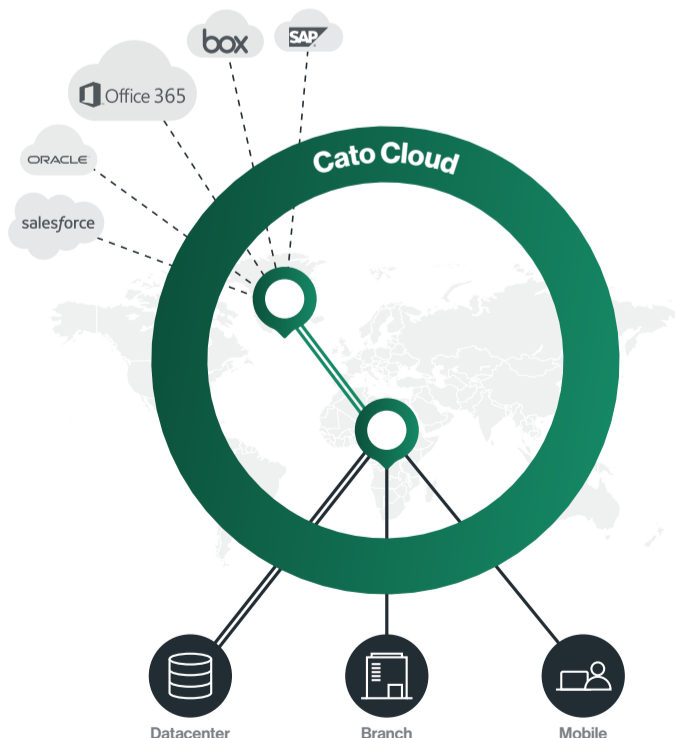
Many enterprises are taking advantage of SaaS applications such as SFDC, box, etc. Moving to cloud applications reduces the load on IT to deploy, maintain, and secure on-premises servers and applications. The move to the cloud means that network traffic patterns are going to change dramatically. Mobile users and branch locations can't benefit from traditional network optimization tools for branch-to-datacenter connectivity. With cloud applications, traffic needs to be optimized for global access to a specific geographic location to maintain consistent application experience.



Unoptimized cloud applications access over the public Internet

Cato optimizes global access to your cloud application instance

Cato Cloud is the world's first Secure Access Service Edge (SASE) platform, built on a global private backbone of 50+ PoPs. Remote branches and mobile users connect to the nearest available Cato PoP via secure tunnels. Cato PoPs run proprietary software that accelerates traffic from all enterprise locations and mobile users to both the datacenter and cloud applications. When a user accesses a cloud application, traffic goes through the tunnel and into the PoP, typically 25ms away. It is then sent through the best performing route within Cato Cloud to the PoP closest to the cloud application instance. Often, this PoP shares the network or datacenter of the cloud application instance. This is particularly important for Office 365 users in China, where Microsoft doesn't have a local PoP and all SaaS traffic must reach a specific instance within a geographic location.



Cato Cloud optimizes global access to cloud applications

Optimized Cloud Application Access

Cato applies multiple optimization techniques to achieve 10x-30x improvement in end-to-end throughput:



Multi-segment optimization

Cato breaks the end-to-end connection into three parts: User-to-PoP, PoP-to-PoP and PoP-to-cloud application. This split allows Cato to detect packet loss at the PoPs and quickly recover, which is far faster than waiting for a response from the distant destination.



Optimal path selection

Cato continuously monitors the latency and packet loss on the various providers that underpin Cato Cloud. The optimal route for cloud application traffic is calculated per-packet to minimize global latency and packet loss.



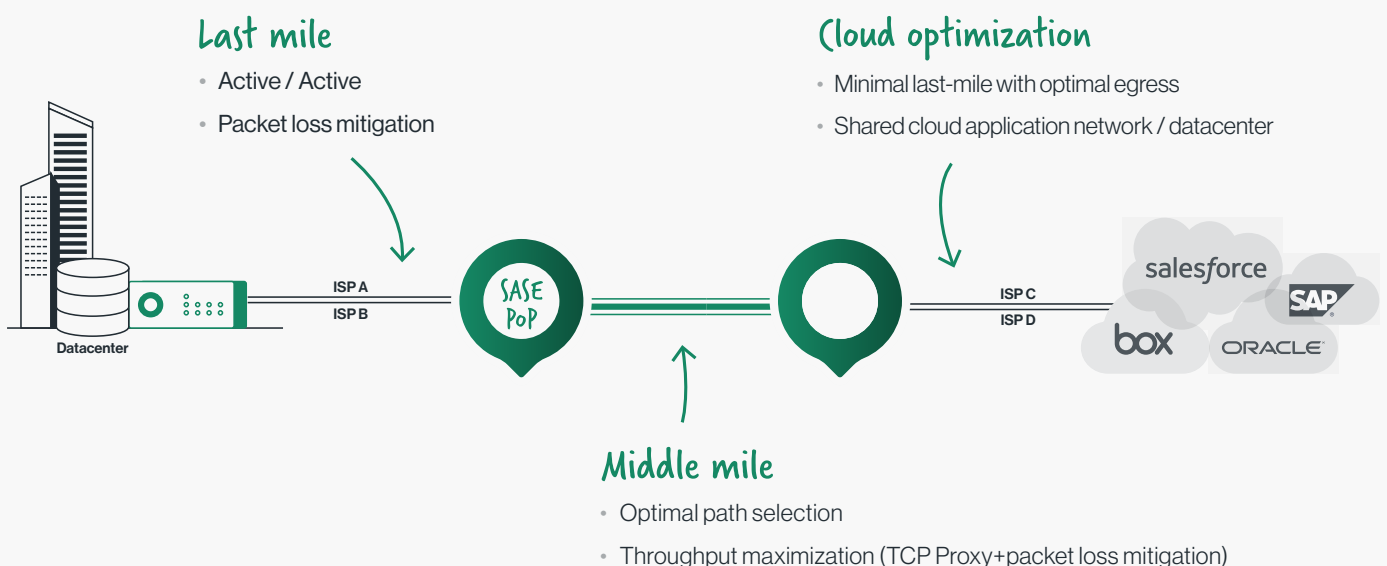
Active/active link aggregation

Cato leverages multiple last-mile links to maximize bandwidth into Cato Cloud. Using active-active, customers can aggregate capacity instead of having idle backup links.



Packet loss mitigation

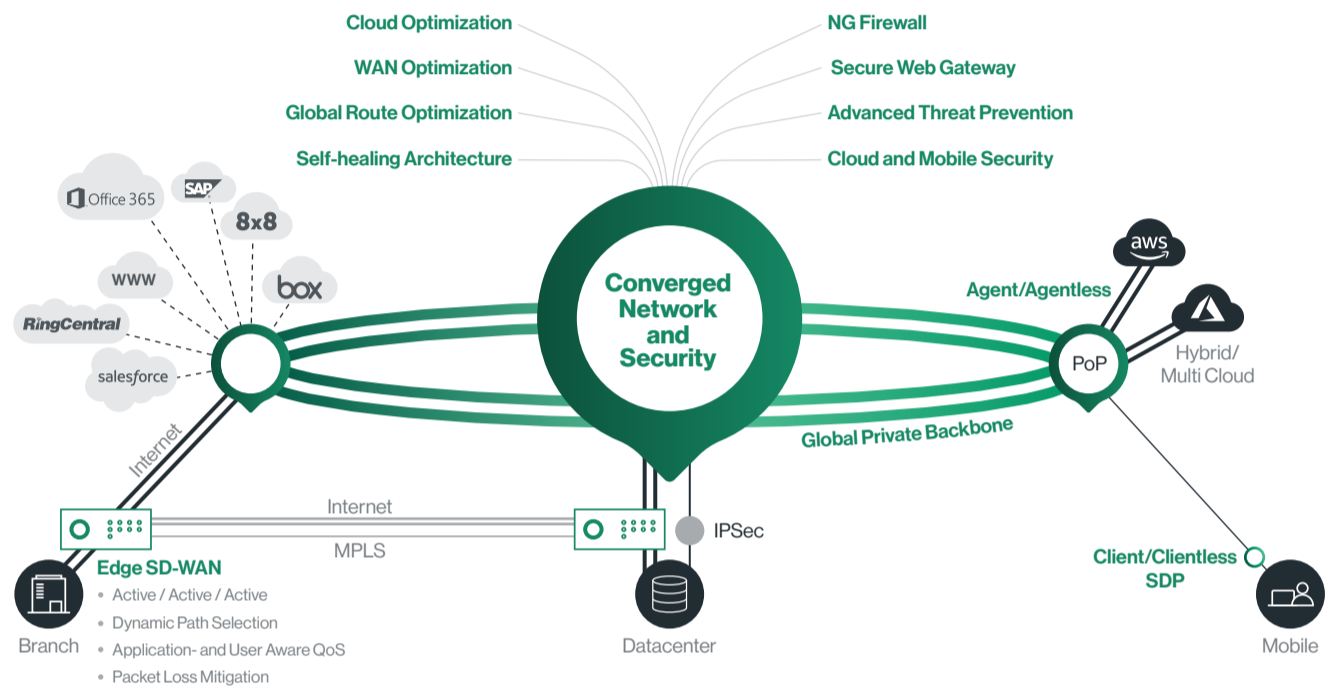
Cato applies packet loss mitigation techniques on both the last-mile and the cloud network to eliminate packet loss.



Cato optimizes connections to SaaS applications

About Cato Networks

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. Using Cato, customers easily migrate from MPLS to SD-WAN, optimize 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. With Cato, the network, and your business, are ready for whatever's next.



Cato. The Network for Whatever's Next.

Cato Cloud

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

Managed Services

- [Managed Threat Detection and Response \(MDR\)](#)
- [Intelligent Last-Mile Management](#)
- [Hands-Free Management](#)
- [Site Deployment](#)



ISO 27001 Certified



SOC2 Approved



GDPR Compliant