

XCA Edge

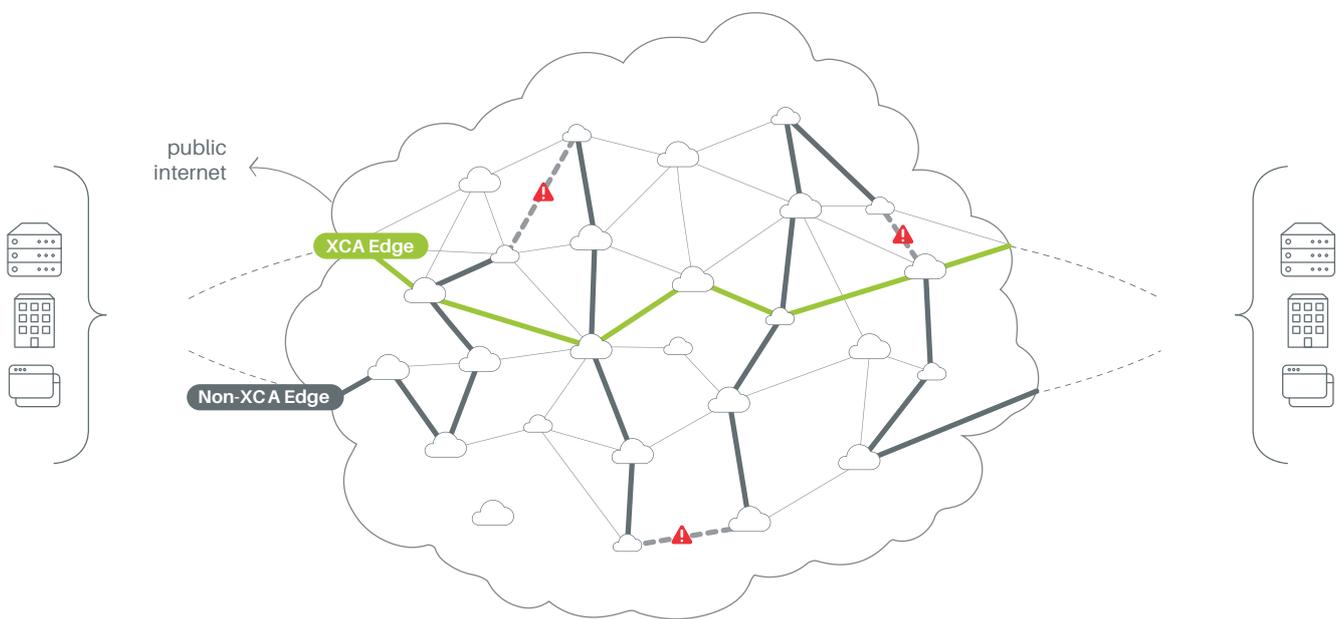
BGP NETWORK OPTIMIZATION

BGP users who manage Autonomous Systems face the constant challenge of effectively managing and overcoming BGP's inherent network performance and routing limitations. XCA Edge also automatically balances committed data costs while optimizing performance over multiple IP transit providers, so you can focus on the rest of your network.

GET YOUR NETWORK HOUSE IN ORDER

XCA Edge is highly customizable BGP network optimization software that sits within your network architecture. The system executes thousands of tests per minute across all application traffic, detecting any abnormal or sub-optimal routing situations and working around these problems in milliseconds.

Changes or issues are detected and solved instantaneously. XCA Edge also provides the detailed analysis and reporting to create a comprehensive picture of network connectivity with the data you need for your network capacity planning.



- XCA Edge
✓ XCA Edge monitors all available destinations across the public internet and chooses the best path available
- Non-XCA Edge

⚠ Congestion causing packet loss and high queuing delays
⚠ Poor path selection causing high round trip delays
⚠ Saturated transits

WHAT CAN XCA EDGE DELIVER?

Performance Monitoring and Traffic analysis

The probing engine automatically delivers a comprehensive real-time analysis of network performance and availability.

XCA Edge utilizes configurable probes, which produce no traffic bursts, simulating normal traffic without triggering intrusion prevention mechanisms in remote networks. The results feed the routing engine with the performance data and network event reports to trigger real-time automated optimization, based on the policies you define.

The measurements and the related reporting provide Network Administrators with the ability to:

1. Optimize network performance

2. Troubleshoot any network situation

3. Make long term improvements

WHO BENEFITS FROM XCA EDGE?

With industry leading flexible configuration options, XCA Edge can benefit any BGP users.

 E-commerce Improve webshop performance and availability	 Cloud & Hosting Increase Cloud and Hosted Application performance	 Enterprise Networks Control network costs and performance	 SD-WAN Optimise IP networks for the best SDN experience
Benefits <ul style="list-style-type: none">✓ Improve user experience and rank higher in search engines✓ Increase sales, reduce churn, and lower drop off rates for trial and demo conversions	Benefits <ul style="list-style-type: none">✓ Deliver a quality user experience to every location✓ Gain insight and control over network and application behaviour, and lower your overall costs	Benefits <ul style="list-style-type: none">✓ Apply policies for key traffic & use lower cost paths for less critical traffic with confidence✓ Ensure the best use of committed bandwidth and eliminate network outages	Benefits <ul style="list-style-type: none">✓ SD-WAN builds tunnels across IP networks that you can optimise effectively✓ XCA Edge gives you confidence and complete control over the public IP underlay

DDOS DETECTION & AUTOMATION

DDoS attacks are a frequent occurrence. They are a major concern for most Internet connected platforms. The tremendous amount of traffic generated by these attacks make it impossible to stop DDoS without either a cloud based/ISP scrubbing solution or an oversized network edge with in-house scrubbing capabilities.

XCA Edge detects DDoS and executes automated actions, directing the traffic to your selected scrubbing platform when they occur to make sure that any impact remains limited.

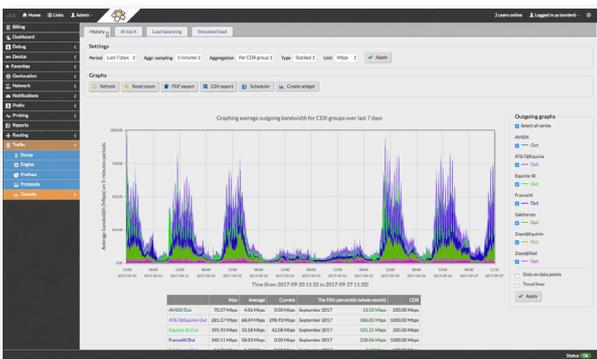
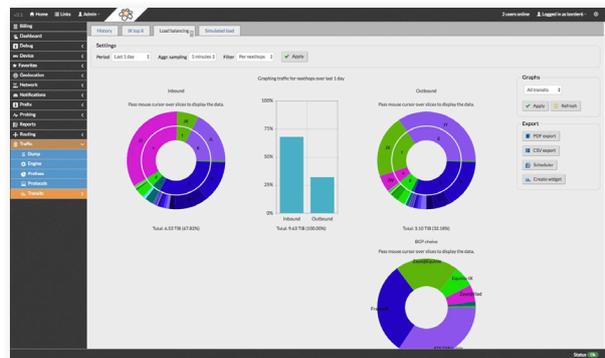
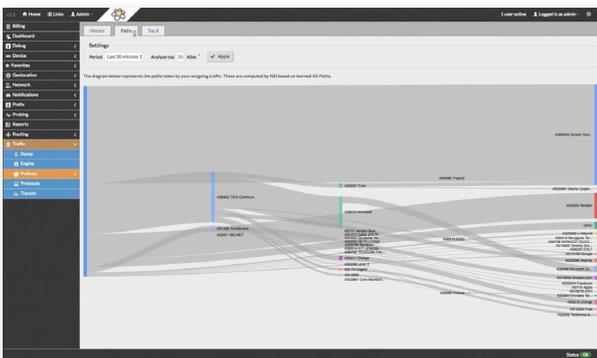
NETWORK BLUEPRINTING

Through flow collection, XCA Edge delivers live event detection and detailed, highly graphical, historical reporting to deliver a complete network blueprint, including:

Traffic anomalies detection and forensics	Network capacity planning data
IX deployment strategy monitoring	Peering optimization
Bandwidth predictions when optimizing routing	Destination maps per prefix, per AS, per country
Billing calculations and predictions	

REPORTING & MANAGEMENT

XCA edge provides a reporting portal, enabling real-time visual performance feedback and analysis, with comprehensive monthly reporting capability.



DISTRIBUTED + MODULAR

XCA Edge is distributed, modular BGP Network Optimization software. Distribution provides the ability to collect data locally in each network location and merge them into a single routing policy, making routing consistent across a large AS with many data centers and sites. Modularity also provides the ability to size each part of the system individually and cope with scalability targets, including scaling to regions with the benefits of local decision making.

WHAT OUR CUSTOMERS SAY

"The most important metric, whether or not customers are happy with the network, has been miles better since we implemented XCA Edge.

"We rarely get network complaints anymore, and I can tell you that before XCA Edge, transient network issues were taking up huge amounts of all of our time. We don't even have to think about it anymore.

"I expected big improvements from XCA Edge, but I really didn't expect to be able to have complete faith in the network, which is what it has allowed us to do."

- Gabriel Ramuglia
President - I/O Flood

XCA EDGE RESTORED THE FAITH IN OUR NETWORK

Sleep easy, with confidence in your network and no cost surprises. Learn how Expereo XCA Edge solves routing issues instantly for IaaS provider I/O Flood.



CHALLENGES

I/O Flood faced three main challenges; low customer satisfaction due to recurring network performance issues, they were using premium carriers without getting premium performance, and data overages were creating unexpected costs.



SOLUTIONS

XCA Edge was deployed for route optimization to automatically route around any performance issues instantly, and cost control allowed I/O Flood to add carriers for a more robust network with confidence in their performance and no avoidable data overages.



IMPACT

I/O Flood can focus on growth initiatives to improve their business thanks to XCA Edge, with the added advantages of complete network visibility and confidence in a broader mix of carriers, near zero customer complaints, and more effective cost management.

MANAGED SERVICES

XCA Edge operates as a managed service, delivering updates, maintenance, and pro-active network monitoring services with full support and communications.

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| ✓ XCA Edge software | ✓ Initial & daily configurations | ✓ BGP routers |
| ✓ Software support | ✓ Pro-active monitoring | ✓ Routers maintenance |
| ✓ Installation | ✓ Monthly reporting | ✓ Transits Services |