EDGE ROUTING

CoreGate BGP Edge Gateway

Bring your transit and IX links onto one edge. Full tables, RPKI validation, policy routing and FlowSpec for a secure, controlled upstream.



Throughput	Routing table	Security	Interfaces
10–800 Gbps	IPv4 + IPv6 full table	RPKI ROV · FlowSpec	10G–400G

01 How it works · Many upstreams, one decision point

Transit and IX sessions land on the edge. Incoming routes are validated with RPKI, the best path is chosen by your policy and passed to the core over iBGP.

UPSTREAM · IX
AS64496 · AS64497
Transit providers and IX

→

COREGATE BGP EDGE
RPKI valid · local-pref 200
Validation and policy

→

CORE
iBGP
BNG, CGNAT and data centre

02 Features

Full table and multihoming
Full IPv4 and IPv6 tables from several transits, with traffic steered by policy.

RPKI route origin validation
Reject invalid announcements automatically and reduce hijack risk.

FlowSpec
Filter attack traffic in coordination with upstreams.

BFD
Detect link failures fast and reroute.

Communities and policy
Traffic engineering with large communities, prepends and local-pref.

Prefix filters
IRR-based and manual inbound and outbound filters.

Session monitoring
Peer state, prefix counts and change history.

Cluster, failover and OTA
Up to 16-node clusters, automatic failover and zero-downtime updates, all from the central management system.

03 Licensing

BGP Edge Gateway has its own licence structure and is quoted individually for your network.

04 Deployment scenarios

MULTIHOMING

Two or more transits

Split traffic by cost and quality; when a transit fails the path changes automatically.

IX PEERING

IX and private peering

Peer directly with content networks to cut transit cost.

EDGE + DDoS

Attack filtering at the edge

With DDoS Shield, FlowSpec and RTBH rules are applied at the edge.

05 Capacity grows, service keeps running

Cluster architecture

Scale horizontally and vertically. Add up to 16 nodes to grow capacity as you need it.

Automatic failover

If a node goes down, sessions and traffic move to the other nodes automatically.

OTA updates

Updates roll out node by node, with no maintenance window and no subscriber impact.

Security and vulnerability detection

The platform is scanned continuously, and detected vulnerabilities and threats are remediated automatically.

24/7 monitoring and support

Our NOC watches your platform around the clock, steps in before issues grow, and support is always open.

Centralised management

Every node, site and licence from one console, with configuration, monitoring and reporting together.

06 Frequently asked questions

How many full tables can I take?

The platform carries several IPv4 and IPv6 full tables; we size the count to your upstream design in the quote.

What do I need for RPKI?

Nothing extra is needed to validate incoming routes; CoreGate does the validation. We recommend creating ROAs through the RIPE NCC so that other networks can validate your own prefixes.

Can it run alongside my current router?

Yes. It can run in parallel with your current edge for a staged migration.

I don't have an ASN or IP block yet. Can you help?

Yes. We help with the RIPE NCC application and initial configuration.

Get a quote for BGP Edge Gateway

Your subscriber count and peak traffic are all we need to send a licence and hardware recommendation.

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