Live visibility of every customer connection for a financial markets group.

A global financial markets infrastructure group deployed Rebasoft to monitor the connectivity service that links trading firms, clearing members and data customers to its markets, showing each customer's port, BGP session and bandwidth in one dashboard.

2,000
switch interfaces monitored

Per port
customer link, BGP peer and bandwidth in one view

Read-only
SNMP and sFlow only, no switch logins

EU & US
data centres in scope

THE CHALLENGE

- Customers connect to the group's markets and clearing services through a shared high-performance switched network.
- The connectivity team needed to see, per customer, whether their port and BGP session were up and how much bandwidth they were using.
- The network team allowed read-only SNMP only, so everything had to be derived without logging in to the switches.

OUR APPROACH

- Rebasoft discovery of the customer-facing switch estate, including interfaces, routing tables and BGP peers.
- IP-to-MAC-to-interface mapping from ARP and forwarding tables, used to tie each BGP route and peer to the customer port it arrives on.
- sFlow traffic data mapped onto the same interfaces, so usage is seen per customer and per service.

BUILT OUT TOGETHER

Customer connectivity dashboard
One screen per customer port: link state, BGP peer status, routes received and last change.

Bandwidth by customer
Interface and sFlow analytics showing how much each customer uses, over days rather than hours.

Service views
Reporting by market service, so the team can see which customers are connected to which service.

Capacity and health
CPU, optics and port capacity thresholds, with alerts by email.

Signal over noise
Events filtered to what matters (BGP changes, customer ports down) rather than every flapping interface.

Built on the fabric
Works with the Juniper data-centre switching the service runs on, using standard SNMP and sFlow.

The outcome: the connectivity team sees every customer's link, BGP session and bandwidth in one place, without logging in to a single switch.

WHY IT MATTERS FOR FINANCIAL MARKETS

Customer-level insight
Network data organised around the customer, not just the device.

Read-only by design
SNMP and sFlow only. Nothing changes on production switches.

A long-term partner
Capabilities built out with the team as their service requirements grew.