Rebasoft

CASE STUDY · EDUCATION

National-scale flow reporting for an education and research network.

A national research and education network, connecting universities, colleges and every school in the country, deployed Rebasoft for IPv4 and IPv6 traffic reporting across all of its member institutions, with user identity joined to the flows.

National
infrastructure, every member institution

IPv4 + IPv6
session reporting

Per member
reporting for each institution

Days
to deploy, with immediate benefits

THE CHALLENGE

- Traffic visibility needed across a national network serving schools, colleges and universities.
- Reporting had to be separated by institution, not just aggregated.
- Huge volumes of forensic flow data to store and query.

OUR APPROACH

- Rebasoft traffic analysis deployed as the network's IPv4 and IPv6 session reporting service.
- Institution definitions so each one can be reported on separately.
- Integration with the network's authentication service to align user details with flow records.

WHAT THE NETWORK GAINED

National coverage
Flow reporting across the whole national infrastructure.

Both IP versions
IPv4 and IPv6 sessions in one service.

Faster fixes
Less time to diagnose issues, freeing engineering resources.

Per-institution views
Reports defined per member organisation.

Users, not just IPs
Authentication data joined to flows for end-user detail.

Built for volume
A database able to hold forensic data at national scale.

The outcome: one flow reporting service for a whole nation's education network, broken down by institution and tied to real users.

WHY IT MATTERS FOR NATIONAL NETWORKS

One service, many members
Each institution reported on separately.

Scale
National volumes of flow data.

Identity-aware
Flows linked to authenticated users.