



Ribbon

Analytics

See clearly, communicate confidently

Ribbon Analytics empowers your customers to respond to attacks, fraud and network operational issues on their real-time communications (RTC) network efficiently and more intelligently. Ribbon Analytics is a virtualised solution that quickly and easily integrates with existing RTC network investments. Ribbon Analytics receives information from various network elements – which is parsed and analysed for various RTC security breaches and service quality issues.

The Ribbon Analytics application portfolio allows you to view end-to-end call flows, diagnose service quality issues as well as make automated security enforcement decisions based on quantitative RTC network information. Using the Ribbon Analytics platform, these decisions can then be pushed to any “enforcer” anywhere in the network.

This big-data platform helps them tap rich data sources to produce the necessary insights needed to develop, manage, and deploy highly innovative and responsive services. Ribbon eliminates lengthy data analysis by providing immediate actionable intelligence to businesses with real-time, cross-correlated, time-aligned data across access technologies, services, protocols, end-to-end applications, and subscribers. With Ribbon’s Analytics platform, get ready access to actionable data for smart decision-making, especially when it comes to RTC security and network operations.

How Ribbon Analytics helps protect your customers

74% of the 1000 largest DDoS attacks in 2Q 2023 targeted telecommunications.

The Ribbon solution
NetProtect



Completely protecting RTC networks starts with a deep understanding of attack vectors targeting SIP. Today, the challenge is how to further secure SIP-based traffic. Mitigating bad actor infiltration, rogue endpoints generating DoS attacks and other network incursions using SIP are just some of the new attack vectors that need to be addressed.

NETProtect identifies these attacks and distributes threat intelligence policies across the communications network so you can close the network-wide security aperture exposed by RTC traffic. Distributed security policies between SBCs and 3rd-party devices such as next-gen firewalls stop bad actors at the edge of the network. It also enables organisations to have a more effective and holistic security methodology across the converged (data and communication) network.

7.9 million DDoS attacks in H1 2023

The Ribbon solution
TDoSProtect



Protect RTCs from unwanted calls coming into networks that might appear to be valid but can tie up communication applications such as IVRs or PBX trunks with long call duration times.

TDoSProtect uses advanced algorithms and machine learning techniques to detect and mitigate these attacks. Advanced policies are applied at the edge of the network to siphon out these unwanted, disruptive calls from communications networks and applications.

\$39.89 billion

lost to telecom fraud in 2021.

The Ribbon solution
FraudProtect



Many bad actors locate and enter real-time communication networks in order to fraudulently call out to premium rate services or infiltrate RTC network elements and launch International Revenue Share Fraud (ISRF) attacks which cumulatively defraud unsuspecting organisations out of billions of dollars per year.

FraudProtect baselines your network calling patterns and seeks out repetitive calling patterns to anomalous places. Those known fraudulent or suspicious calls are flagged based on destination detection and other fraud scanning methods. As more fraudulent calls are made they are quickly identified and terminated, thus mitigating any expensive telecom charges.

FraudProtect detects the following Fraud Scenarios:

- Spoofing of individual numbers
- Calling number Denial of Service
- Use of auto-diallers
- Neighbour spoofing

5.1 billion

robocalls in August 2023.

The Ribbon solution
RoboProtect



Keep your communication free of calls coming through from various numbers that are “known” fraudulent or nuisance calls. Often, these calls come from a computerised auto-dialler to deliver a pre-recorded message, as if from a robot.

RoboProtect uses advanced databases to quickly identify the source of the robocall and applies policies to the edge of the network to stop these calls before they disrupt your employees or customers.

About Ribbon Communications

Ribbon Communications deliver market-leading software solutions that secure and power many of the world's leading service providers and enterprise communications environments.

How we work with Ribbon Communications

Channel experience

Westcon's extensive experience delivering network secure communications complements Ribbon's product line

Alliance vendors

Complementary vendors deliver the complex solutions customers need

Dedicated team

Our vendor-centric sales and marketing teams create sustainable, long-term Ribbon business for partners



Ready to secure your customers' channels? Find out more from our Ribbon Analytics experts today.

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