TELESOFT

COMPREHENSIVE NETWORK DETECTION & RESPONSE (NDR)

GARLAND TECHNOLOGY & TELESOFT TECHNOLOGIES

OVERVIEW

Garland Technology, a leader in network visibility solutions, and Telesoft Technologies, a leading provider of network monitoring, threat detection, and analytics solutions, have partnered to provide a unified and integrated packet broker and network detection & response (NDR) solution. With over 45 years of combined industry experience, their companies have devised the complete high performance network visibility and threat detection solution for Security and Network Operations teams.

CHALLENGES

As digital transformation accelerates, organizations face mounting cybersecurity challenges in protecting their networks and data. They struggle to maintain visibility and detection capabilities amidst rising data rates. To build resilience, companies must reassess cyber risk strategies and invest in scalable, analytics-driven security solutions that empower teams to proactively defend against emerging threats. Addressing key visibility and capability gaps enables responsiveness to evolving challenges.

INCREASING DATA RATES

Enterprises and Service Providers are challenged today with monitoring and detecting threats within an ever-increasing volume of data traversing their networks. They are fighting a continuous battle against cybercrime, and with no 'silver bullet' to protect themselves indefinitely, must appreciate how crucial it is in working towards a multi-layered security solution which is scalable to handle increasing traffic rates.
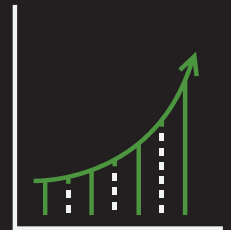
MAXIMISING VISIBILITY

It is more important than ever that organizations do not sacrifice visibility or capability to handle large volumes of data. Threat actors are continuously evolving, utilising sophisticated attack methods to gain access to organizations networks. Sampled visibility or limited detection capabilities can lead to threats remaining undetected, risking severe impact.
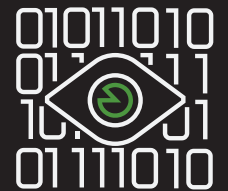
PROTECTING CORE INFRASTRUCTURE

The premise of an effective cyber security solution is to protect and provide maximum visibility over your digital estate. Whilst having security tools, such as firewalls, deployed at the network edge has its benefits, its organization's core infrastructure that remains a critical point-of-failure for business operations.

COMPREHENSIVE TOOLSETS

With an abundance of security tools readily available across the cyber security market, for some organizations it can appear a minefield selecting one which will efficiently protect their network infrastructure. However, there are a few key considerations which can aid organizations throughout their decision progress - level of visibility, detection capability, scalability, ease-of-use, and threat identification efficiency.

SOLUTION OVERVIEW

Garland Technology provides a comprehensive portfolio of Network test access point (TAP) and packet broker solutions. When deployed together in a TAP to Agg solution, Garland Technology delivers enhanced East - West visibility into customer networks, at speeds ranging from 1G to 400G. Network TAP and SPAN/Mirror feeds are aggregated together and depending on the requirements of the customer, advanced filtering, packet slicing, and deduplication is applied, before being forwarded on to Telesoft's advanced Network Detection & Response (NDR) appliance, the Alert Probe, for comprehensive network monitoring and threat detection.

Telesoft's virtual or hardware-based Alert Probe, supporting sustained analysis of up to 400Gbps, utilizes cutting-edge threat detection methodologies alongside 3rd party integrated threat intelligence to rapidly identify cyber threats within network traffic in real-time. Sophisticated traffic analysis enables the Alert Probe to identify the most complex cyber threats which can evade traditional security tools.

Once a threat is discovered, the Alert Probe immediately generates a prioritized security alert containing detailed forensic information to enable rapid investigation and response. Optional unsampled IPFIX flow record generation provides extended network visibility for proactive threat hunting beyond automated detection. Garland's advanced feature set, such as traffic filtering, deduplication, and timestamping, ensures that only the relevant traffic is forwarded up to Telesoft's Alert Probe. The Alert Probe will enrich traffic with integrated 3rd party threat intelligence lists for threat detection and alerting, entity tagging to group an organization's assets by IP and streamline investigations, and JA3/JA3S Fingerprinting to provide encrypted traffic analysis by generating hashes (fingerprints) from the initialisation packets of TLS, SSL, & SSH flows. Alerts and enriched IPFIX records can be forwarded to a 3rd party SIEM for broader correlation and automation.

By combining Garland's high-performance packet broker with Telesoft's Alert Probe, this joint solution empowers security teams to accurately identify threats and quickly mitigate risks introduced by the ever-evolving threat landscape. With complete network visibility, advanced analytics, and actionable intelligence, organizations can secure their most critical information, assets, and infrastructure.

ARCHITECTURE
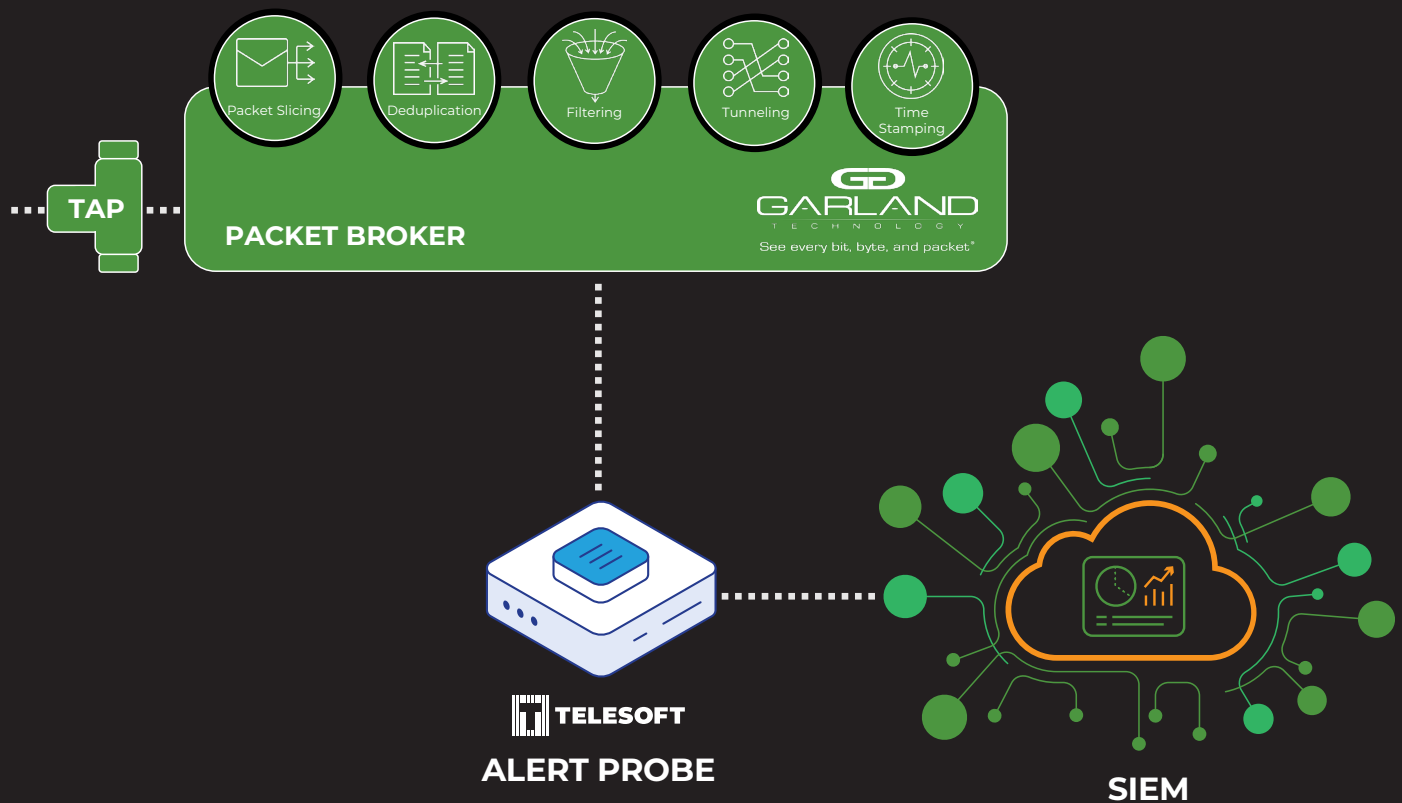
Alert Probe is easily integrated with a number of 3rd party follow on systems including, but not exclusively, SOARs, SIEMs, & Case Management Systems via API.

KEY BENEFITS

High Rate Performance

Garland and Telesoft have partnered to provide a best-in-class packet broker and NDR solution, capable of processing and analyzing multi-100Gbps networks in real-time.

Comprehensive Threat Detection

Telesoft's Alert Probe utilizes a number of comprehensive detection techniques and integrated 3rd party threat intelligence to provide real-time alerting for rapid security response.

Accelerated Threat Hunting

IPFIX records generated by Telesoft's Alert Probe enable network security teams to quickly analyze forensic network data and proactively threat hunt for indicators of compromise.

Traffic Optimisation

Garland's advanced packet filtering capability can ensure that only unknown/untrusted traffic is forwarded to the Alert Probe, optimising data processing and threat detection.

Unsampled Visibility

By combining Garland's high-rate packet broker and Telesoft's Alert Probe, organizations gain complete network visibility across networks at speeds up to 400Gbps, ensuring no threats go undetected.

Integrated Solution

By forwarding NDR threat alerts and unsampled IPFIX records to a unified SIEM platform, security teams gain complete, correlated analysis and intelligence to protect the network.

SUMMARY

Garland Technology and Telesoft Technologies have partnered to deliver a best-in-class integrated network visibility and threat detection solution. By combining Garland's high-speed packet broker and Telesoft's advanced NDR into a unified platform, organizations gain complete visibility across their entire network along with the capacity and analytics to monitor unsampled traffic at up to 400Gbps per appliance.

Telesoft's Alert Probe identifies threats in real-time, using integrated 3rd party threat intelligence to generate detailed and prioritised alerts, leading to an accelerated response time. Optional IPFIX records enrich flows with extensive metadata to empower proactive threat hunting and forensic investigation. Together, Garland and Telesoft allow security teams to overcome the challenges of soaring network speeds, limited visibility, and sophisticated attacks by consolidating essential capabilities for scalable, high-fidelity monitoring and threat management in a single easy-to-use solution.

ABOUT US

GARLAND TECHNOLOGY

Garland Technology is committed to helping organizations increase the value of their network by offering the industry's most reliable, economical, easy to deploy, and scalable network TAP, packet broker, and cloud visibility solutions. Network performance, cybersecurity, and customer satisfaction are ingrained into the core of Garland's business, helping customers achieve efficient, reliable, and secure company infrastructure.

Discover more at: www.garlandtechnology.com

TELESOFT TECHNOLOGIES

Telesoft Technologies is a UK-based global provider of comprehensive cyber security and government infrastructure solutions and services. Telesoft develop, manufacture, and support cutting-edge systems and applications to protect core network infrastructure and keep organizations secure. Telesoft prides itself on innovatively creating solutions that improve your existing security posture and prevent cyber-attacks. Gain full network visibility with the world's highest density enriched probes and sensors.

Discover more at: www.telesoft-technologies.com

GARLAND
T E C H N O L O G Y

See every bit, byte, and packet®

⬛ TELESOFT

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