

Trusted Network Visibility

for AI-Powered Threat Detection

Security teams are under pressure to defend increasingly complex digital environments that span enterprise IT, cloud infrastructure, operational technology (OT), defense, and critical infrastructure.

As networks become more distributed, visibility gaps can emerge, creating opportunities for attackers to operate undetected and making investigations more difficult.

Darktrace and Profitap help organizations close these gaps by combining comprehensive network visibility with AI-powered threat detection and response. Profitap provides secure access to high-fidelity network traffic through its portfolio of Network TAPs, Packet Brokers, Aggregators, and packet capture solutions. Darktrace transforms this telemetry into actionable security outcomes using Adaptive AI™ that continuously learns the unique behavior of an organization to detect and respond to threats in real time.

Together, Darktrace and Profitap enable organizations to strengthen cyber resilience, accelerate investigations, and improve visibility across both traditional IT and industrial environments.

About Profitap

Profitap is a global provider of deep network observability solutions that help organizations gain reliable, high-fidelity visibility into their critical network environments. With 40 years of experience in network monitoring, Profitap develops a comprehensive portfolio of Network TAPs, Network Packet Brokers, traffic aggregation, and packet capture and analysis solutions for enterprise IT, cloud, OT, and critical infrastructure environments.

Profitap's technology provides secure, out-of-band access to network traffic and ensures monitoring and security platforms receive the right data, at the right time, without compromising network performance or integrity.

By capturing, aggregating, filtering, and optimizing packet data, Profitap helps organizations reduce visibility gaps, accelerate troubleshooting and forensic investigations, and maximize the effectiveness of their cybersecurity and network monitoring investments.

Trusted by more than 1,100 organizations across over 70 countries, Profitap supports customers in sectors including government and defense, financial services, telecommunications, manufacturing, energy, transportation, and other mission-critical industries.

Key Solution Benefits

Comprehensive and Scalable Visibility

Gain access to the network telemetry needed to monitor branch locations, data centers, manufacturing facilities, and distributed networks. By reducing visibility gaps, organizations can improve detection coverage and strengthen security operations.

Faster Investigations, Less Manual Work

Darktrace reduces analyst workload with AI-driven investigations that analyze all relevant alerts across hybrid infrastructure, uncovering sophisticated network threats and correlating related activities into a single incident. Security teams can understand cross-domain incidents faster, prioritize what matters and free up human teams to focus on other tasks.

Secure Access to Critical Environments

Profitap's secure visibility architecture, including data-diode capabilities and support for isolated networks, helps organizations monitor and identify anomalies in sensitive environments without compromising operational requirements. This is especially relevant for defense environments, where passive, trusted access to network telemetry can support mission assurance, segmented or high-assurance networks, and continuous cyber resilience without introducing additional operational risk.

Enhanced Incident Response Readiness

Combining packet-level visibility with AI-powered investigation helps organizations accelerate troubleshooting, support forensic analysis, and improve overall response effectiveness.

Business Outcomes



Strengthen cyber resilience with broader visibility across the digital estate.



Reduce security blind spots across IT and OT environments.



Accelerate detection and investigation of cyber threats.



Scale security visibility without adding complexity to operations



Increase security team efficiency through autonomous investigation and response

How it Works: Delivering the Visibility that AI Needs

Profitap provides secure, out-of-band access to network traffic across enterprise and industrial environments. Network TAPs, Aggregators, and Packet Brokers capture, aggregate, filter, and distribute traffic from across the network, ensuring monitoring and security platforms receive the data they need while preserving network integrity.

Profitap's architecture is designed to support even the most demanding environments, including critical infrastructure and air-gapped deployments. Darktrace analyzes this traffic using Adaptive AI that continuously adapts to changes in users, devices, applications, and business operations.

Rather than relying on signatures, rules, or threat intelligence, Darktrace learns what is normal behavior for each organization and identifies subtle indicators of compromise, including insider threats, ransomware activity, and previously unseen attack techniques.

Darktrace automatically investigates security events and surfaces the incidents most likely to impact the business, and can take precise, autonomous actions to contain threats before they spread. The result is a solution that combines trusted network visibility with AI-powered detection, investigation, and response, helping security teams act faster and with greater confidence.

