

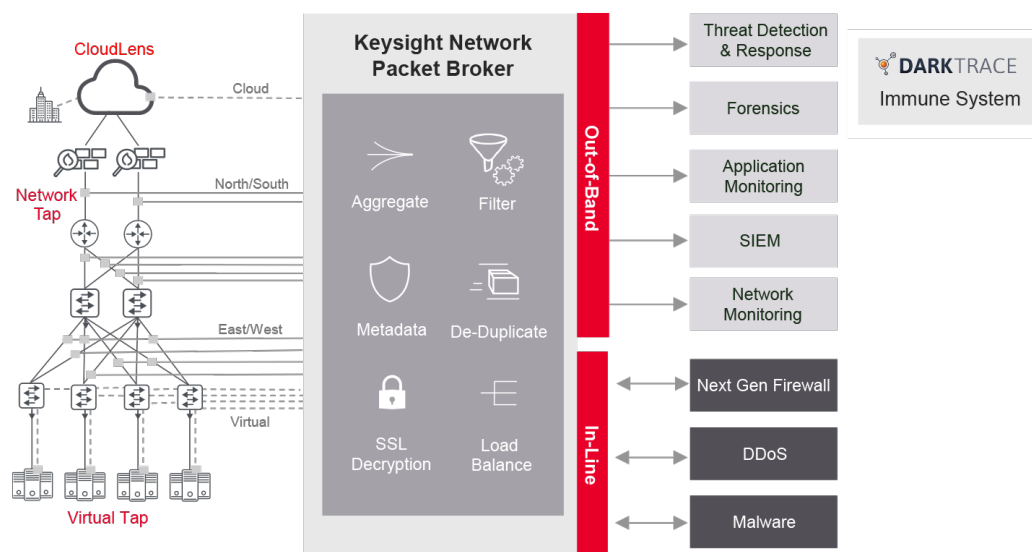
Darktrace and Keysight: Self-Learning AI for a Lasting Security Advantage

Overview

Thousands of customers worldwide rely on Darktrace and Keysight to strengthen their security posture and augment incident response across hybrid networks and clouds—and you can too. Our joint solution supercharges your cyber defense strategy with a powerful and lasting advantage amidst today's ever-evolving threat landscape.

Darktrace's Immune System learns normal 'patterns of life' to discover unpredictable cyber-threats, while delivering visibility across your dynamic workforce — from cloud and SaaS to endpoints and the corporate network. Keysight's visibility solutions provide Darktrace with precisely the right data from hybrid networks and clouds for use in real-time Self-Learning AI analysis.

Sample Keysight and Darktrace Joint Deployment



How it works: Keysight visibility solution includes Taps, Virtual Taps, CloudLens, and Network Packet Brokers which provide aggregation, out-of-band data filtering, and passing the right data to Darktrace



Darktrace: An Immune System for Autonomous Cyber Defense

Darktrace's Immune System detects and responds to novel attacks and insider threats across the cloud, email, endpoints, IoT, ICS, and the corporate network. Powered by Self-Learning AI, the Enterprise Immune System learns normal 'patterns of life' to protect against unknown and unpredictable cyber-threats. Unlike static and siloed defenses, Self-Learning AI is adaptive in its understanding and pervasive in its scope. This enables the system to identify the full range of cyber-threats that deviate from normal patterns, wherever they emerge in a business.

Key benefits include:

- **Finds threats that get inside:** Darktrace's Self-Learning AI platform uses unsupervised ML to detect and respond to novel threats and subtle insiders before they do damage, without relying on rules, signatures, or prior assumptions
- **Autonomous response** across email communications, cloud services, and the corporate network, taking surgical action to contain in-progress threats while sustaining normal operations
- **Learns 'on the job':** Darktrace continuously learns and adapts its understanding of 'normal' in light of new evidence and as your business evolves
- **100% visibility** with Darktrace's easy-to-use 3D Threat Visualizer that displays threats and provides a graphical overview of day-to-day digital activity
- **Self-Learning:** Rather than relying on rules, signatures, or prior assumptions, Darktrace learns your organization from the ground up, allowing it to detect subtle deviations indicative of a threat – no matter how subtle, novel, or targeted.

Keysight: Deliver the Right Data from Everywhere in your Hybrid Network

Keysight's intelligent visibility solutions complement the Darktrace platform with fast, easy access to all required traffic from your hybrid IT environment — networks, data centers, and private and public clouds. Network and virtual and cloud taps capture and send traffic to network packet brokers (NPBs) for advanced packet processing to speed and optimize utilization by Darktrace and other performance and security monitoring solutions.

Keysight delivers pre-processed data to Darktrace for real-time analysis. Highlights include:

- **Complete Easy Access:** NPBs aggregate and process traffic from multiple taps (or SPANs) placed throughout the network
- **Complete Visibility:** into east-west traffic using virtual taps, & cloud traffic using CloudLens
- **Traffic Grooming:** Keysight visibility filters out unwanted monitoring data (duplicates, unnecessary packets, headers, etc.) before sending it to Darktrace and load balances traffic across multiple monitoring solutions to extend their use and value
- **Seamless Integration:** Keysight's intuitive user interface and automation capabilities integrate seamlessly with Darktrace's Immune System platform
- **Active SSL Decryption:** To speed analysis of decrypted traffic

The joint solution delivers complete visibility of hidden and unknown cyber-threats across your entire digital infrastructure. Advanced intelligence and automation enable simplified deployment in any network environment with additional 1G, 10G, 40G, or 100G ports added easily as the business scales.

About Darktrace

Darktrace is a global leader in cyber security AI, and protects over 5,500 customers worldwide from advanced threats, including ransomware, email phishing and attacks against the cloud and SaaS. Powered by Self-Learning AI, Darktrace's digital immune system autonomously stops in-progress attacks against corporate systems and critical national infrastructure, preventing cyber disruption. The company is headquartered in Cambridge, UK, and has more than 1,600 employees and over 30 offices worldwide. Darktrace was named one of TIME magazine's 'Most Influential Companies' for 2021.

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