

# Cyber AI Security for Google Cloud

With self-learning Cyber AI, Darktrace combines unprecedented real-time visibility and autonomous threat detection, response, and investigation in your Google Cloud.

## Key Benefits

- ✓ Learns ‘on the job’ to offer continuous, context-based defense across your dynamic workforce
- ✓ Offers complete, real-time visibility of your organization’s Google Cloud environment and beyond
- ✓ Neutralizes novel and advanced threats as they emerge
- ✓ Cyber AI Analyst automates threat investigation at speed and scale, reducing time to triage by up to 92%

## Cyber AI Defense for Dynamic Workforces and Workloads

The Darktrace Immune System uses Cyber AI to learn normal ‘patterns of life’ across the organization, enabling it to recognize even the most subtle anomalies that point to an emerging threat – no matter how sophisticated or novel.

With the power of Cyber AI that continuously adapts to your evolving dynamic workforce, gain bespoke, context-based defenses against even the most advanced threats that may emerge, from critical misconfigurations to compromised credentials.

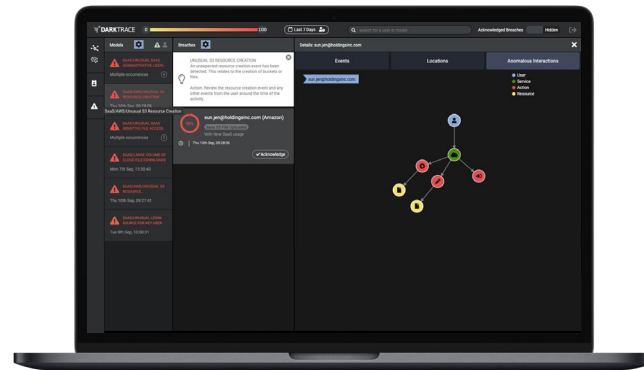


Figure 1: The Darktrace Immune System interface optimizes visibility and investigation

“Darktrace adapts while on the job, illuminating our infrastructure in real time and allowing us to defend the cloud with confidence.”

CISO, Aptean

## Protecting Google Cloud From Novel and Advanced Threats

### Data Exfiltration and Destruction

- Detects anomalous device connections and user access, as well as unusual resource deletion, modification, and movement.

### Critical Misconfigurations

- Identifies unusual permission changes and anomalous activity around compliance-related data and devices.

### Compromised Credentials

- Spots brute-force attempts, unusual login source and time, and unusual user behavior including rule changes and password resets.

### Insider Threat and Admin Abuse

- Identifies the subtle signs of malicious insiders – including sensitive file access, resource modification, role changes, and adding/deleting users.

## Unprecedented Visibility with Google’s Packet Mirroring

Darktrace leverages Google’s Packet Mirroring service to monitor all traffic in a customer’s Google Cloud environment, with no need to deploy agents. This allows the self-learning AI to analyze the entire packet, including headers and payload, and build rich behavioral models for activity in Google Cloud.

The visibility provided by Google’s Packet Mirroring service helps Darktrace’s Cyber AI learn ‘on the job,’ continuously adapting as your business evolves. Darktrace provides the only security solution that learns in real time, a critical feature given the speed and scale of development in the cloud.

Additional visibility is provided by the Darktrace Security Module for Google Cloud, which ensures full awareness of administrative activity and system events in Cloud Audit Log-compatible services, with additional support for Data Access logs for deeper visibility into specific component activity.

With user access to Google Cloud authenticated via the Google Workspace platform, customers can gain visibility of login and other user activity with Darktrace’s Google Workspace Module.

With this deep knowledge of how your business operates in the cloud, Darktrace delivers total coverage across all Google Cloud services, including:



\* Please note cloud storage files are no longer audited by Google if made explicitly public.

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**“Darktrace’s machine learning implementation is superior in the marketplace. Their coverage for cloud-based solutions makes their solution a top consideration.”**

John Tolbert, Lead Analyst, KuppingerCole

## Autonomous Cyber Defense: Darktrace Immune System

### Detect

- With self-learning AI, the Darktrace Immune System can detect the sophisticated and novel threats that policy-based controls simply can’t.

### Respond

- Darktrace Antigena is the world’s first Autonomous Response technology that can interrupt attacks on your behalf, at machine speed and with surgical precision.

### Investigate

- Combining human security expertise with AI speed and scale for the first time, Darktrace’s Cyber AI Analyst autonomously investigates every threat and reports on the full scope of incidents – reducing triage time by up to 92%.

## Unified AI-Driven Security Across the Enterprise

The Darktrace Immune System provides the industry's only self-learning platform that correlates information from across the organization and adapts in real time – improving productivity across the security team and letting you accelerate digital transformation and innovation.

Taking a fundamentally unique approach, the Darktrace Immune System can correlate behavior in Google Cloud with activity across SaaS, email, remote endpoints, and any range of on- or off-premise infrastructure in a customer's enterprise.

This is of critical importance, as businesses and workforces today are increasingly complex and dynamic. With Darktrace's unified security platform, Cyber AI can connect the dots between unusual behavior in disparate environments and ensure cloud security is not siloed from the monitoring of the rest of the organization.

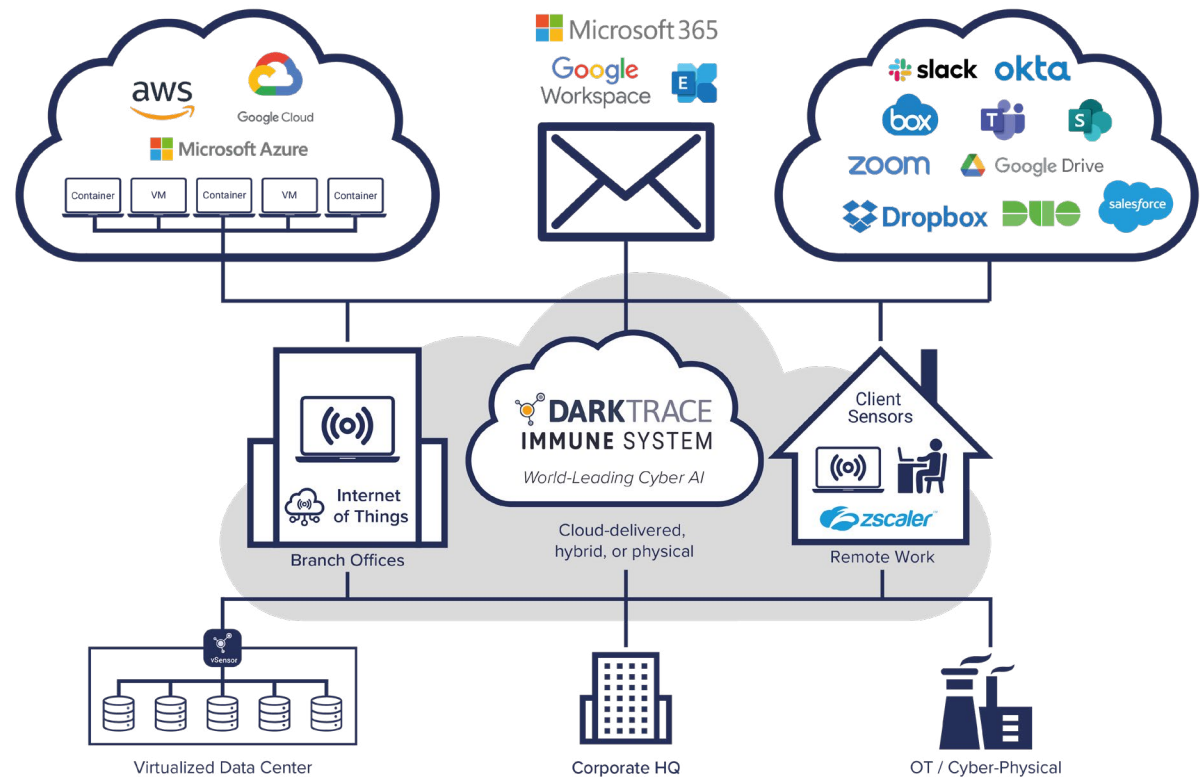


Figure 2: The Darktrace Immune System provides unified, AI-driven defense for your Google Cloud and beyond






### About Darktrace

Darktrace is a leading autonomous cyber security AI company and the creator of Autonomous Response technology. Its self-learning AI is modeled on the human immune system and used by over 4,700 organizations to protect against threats to the cloud, email, SaaS, traditional networks, IoT devices, endpoints, and industrial systems.

The company has over 1,500 employees and is headquartered in Cambridge, UK. Every second, Darktrace AI fights back against a cyber-threat, before it can cause damage.

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