



Strengthening Cyber Resilience with Intelligent Managed Security Operations for a Fortune Global 500 Technology Company in the US

Overview

A Fortune Global 500 technology company and global leader in cloud computing, this organization designs and manufactures advanced cloud infrastructure for some of the world's largest technology companies. With a rapidly expanding U.S. presence, it required a scalable cybersecurity strategy to support its operations. Black Box® delivered an XDR-powered Managed Security Services solution that enhanced threat detection, strengthened endpoint protection, and improved visibility across its security environment. The solution established a resilient, scalable security operations framework to support continued business growth and innovation.

Challenges

As the organization rapidly expanded its operations, it required a trusted Managed Security Services Provider (MSSP) capable of delivering tailored 24×7 security monitoring while integrating seamlessly with its existing security ecosystem. The company also needed to strengthen incident response readiness and accelerate the deployment of Endpoint Detection and Response (EDR) capabilities. A key requirement was deploying EDR sensors within 24 hours and implementing security policies without user acceptance testing (UAT), ensuring minimal operational disruption and continuous protection.

AT A GLANCE

CHALLENGES

- Selecting the right MSSP for 24×7 monitoring
- Integrating existing security tools
- Improving incident response readiness
- Rapid EDR deployment without disruption

SOLUTIONS

- Securonix-based XDR platform for threat detection
- Enabled 24×7 monitoring and threat hunting
- Deployed EDR with seamless AV integration
- Enhanced detection with AI-driven security analytics

RESULTS

- Improved threat detection and response capabilities
- Strengthened enterprise-wide endpoint protection
- Enhanced visibility across the security environment
- Accelerated incident response and compliance reporting

BENEFITS

- Greater cyber resilience against evolving threats
- Scalable, AI-driven security operations
- Optimized security investments and operational efficiency
- Future-ready security framework supporting business growth



Solution

Black Box implemented a Securonix-based XDR platform for intelligent threat detection, supported by comprehensive Managed Security Services. The solution enabled 24×7 security monitoring, proactive threat hunting, and incident response across more than 100 servers. Over 300 EDR sensors were seamlessly integrated with the existing antivirus environment, minimizing operational disruption. AI- and ML-driven security analytics further strengthened threat detection and response, enabling comprehensive threat visibility, scalable security operations, and streamlined compliance reporting.

Result

The engagement significantly strengthened the organization's security posture by integrating XDR with existing security tools to create a unified defense against evolving threats. Black Box enabled continuous monitoring of more than 100 servers, deployed over 300 EDR sensors to enhance endpoint protection, and expanded the security architecture with AI- and ML-driven capabilities for greater scalability. Centralized log reporting simplified compliance management, while 24×7 response to high-priority incidents accelerated threat containment and improved overall cyber resilience.

Why Black Box?

This engagement demonstrates why leading global technology organizations trust Black Box as their cybersecurity partner. By delivering XDR-powered managed security services with 24×7 monitoring, proactive threat hunting, AI-driven analytics, and seamless EDR integration, Black Box strengthened threat detection, endpoint protection, and cyber resilience without disrupting operations. For this Fortune Global 500 technology leader, Black Box unified security operations, optimized existing security investments, improved visibility, accelerated incident response, and established a scalable, future-ready security framework that supports secure business growth.

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.