

Strengthening Endpoint Security for a Leading Healthcare Research Organization in the US

Overview

A leading U.S. non-profit healthcare organization based in Dallas, Texas, is recognized for advancing medical research and improving healthcare through significant philanthropic investments. With more than \$854 million in grants awarded and a \$1 billion endowment supporting long-term healthcare initiatives, the organization required a robust endpoint security strategy to protect its critical operations. Black Box[®] deployed over 300 EDR sensors across 100+ servers, seamlessly integrated with existing AV solutions, and delivered AI-driven, 24x7 managed security to strengthen endpoint protection, compliance, and cyber resilience.

Challenges

To strengthen its cybersecurity posture, the organization needed to rapidly deploy an enterprise-wide Endpoint Detection and Response (EDR) solution within a tight implementation timeline. A key challenge was installing EDR sensors without disrupting existing antivirus operations while enforcing prevention policies across both servers and user endpoints. The deployment also had to be completed without user acceptance testing (UAT), requiring a seamless, low-risk implementation that maintained continuous protection and uninterrupted business operations.

AT A GLANCE

CHALLENGES

- Accelerated timeline for enterprise-wide EDR deployment
- EDR rollout alongside existing antivirus solutions
- Server security policies implemented without UAT
- User protection policies implemented without UAT

SOLUTIONS

- CrowdStrike-based EDR enabled automated threat detection
- Deployed 300+ EDR sensors across 100+ servers
- Integrated EDR seamlessly with existing antivirus
- Expanded AI-driven EDR across multiple locations
- Enabled 24x7 monitoring and compliance management

RESULTS

- Strengthened endpoint security across enterprise environments
- Improved visibility across distributed security operations
- Accelerated threat detection and incident response
- Enhanced compliance through centralized security reporting

BENEFITS

- Scalable, future-ready endpoint security architecture established
- Reduced operational complexity and security risks
- Optimized security operations through AI-driven protection
- Strengthened cyber resilience and business continuity



Solution

Black Box implemented a CrowdStrike-based EDR solution, deploying more than 300 EDR sensors across 100+ servers to deliver enterprise-wide endpoint protection and real-time visibility. Seamless integration with the existing antivirus environment, combined with AI- and ML-driven analytics, strengthened automated threat detection and prevention across multiple locations. Centralized monitoring, log management, and user activity reporting streamlined compliance, while 24x7 monitoring and rapid incident response ensured continuous protection against high-priority threats.

Result

The engagement significantly strengthened the organization's endpoint security by deploying more than 300 EDR sensors across 100+ servers while seamlessly integrating with its existing antivirus environment. A scalable EDR architecture supported security operations across multiple locations, and AI- and ML-driven analytics enhanced threat detection and prevention. Centralized monitoring, efficient log management, and user activity reporting improved operational visibility and compliance, while 24x7 monitoring and rapid incident response strengthened cyber resilience and ensured continuous protection against evolving threats.

Why Black Box?

Black Box combines deep cybersecurity expertise, AI-driven protection, and 24x7 managed security to deliver resilient, enterprise-scale endpoint security. Our ability to rapidly deploy 300+ EDR sensors across 100+ servers - without disrupting existing antivirus operations - demonstrates proven execution in complex, mission-critical environments. With seamless integration, centralized monitoring, intelligent threat detection, and rapid incident response, Black Box helps organizations reduce security risk, simplify operations, strengthen compliance, and build a scalable, future-ready security architecture that protects business continuity.

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.