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Endpoint detection response (EDR) Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Threat Type (Malware, Advanced Persistent Threats (APTs), Insider Threats, Zero-Day Exploits), By Component (Hardware, Software and Services), By End-User Industry (Retail, Finance, Healthcare, Telecommunications, Manufacturing, Others), By Region & Competition, 2021-2031F

https://marketpublishers.com/r/EB34B6D3145AEN.html
Date: January 2026
Pages: 182
Price: US$ 4,500.00 (Single User License)
ID: EB34B6D3145AEN

Abstracts

The Global Endpoint Detection and Response (EDR) market is projected to expand significantly, rising from USD 3.33 Billion in 2025 to USD 13.51 Billion by 2031, representing a CAGR of 26.29%. EDR solutions operate as centralized security systems tasked with continuous monitoring of user devices to detect and neutralize suspicious behavior or unauthorized access. This market growth is primarily fueled by the increasing volume of sophisticated cyberattacks and the widespread shift to hybrid work models, which have enlarged the organizational attack surface. Furthermore, strict regulatory mandates concerning data privacy require constant visibility into network activities to guarantee swift incident response.

In 2024, the SANS Institute reported that 42 percent of surveyed organizations considered extended and endpoint detection tools to be their most effective technology for threat detection. Despite this recognition, a major obstacle hindering broader market expansion is the severe shortage of skilled cybersecurity professionals needed to interpret complex telemetry and handle the massive volume of alerts these systems produce.

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Market Driver

The increasing sophistication of ransomware and advanced persistent threats acts as a major driver for the adoption of endpoint detection and response systems. Unlike traditional antivirus software that depends on matching known signatures, EDR platforms employ continuous behavioral monitoring to spot malicious actions that often evade standard perimeter defenses. This capability is vital as attackers increasingly use intricate fileless methods and credential theft to breach corporate networks and encrypt sensitive data. According to Sophos' 'The State of Ransomware 2024' report from April 2024, 59 percent of organizations experienced a ransomware attack in the previous year, highlighting the urgent need for solutions that offer constant surveillance and rapid containment to ensure operational continuity.

Furthermore, the integration of artificial intelligence and machine learning for automated response accelerates market growth by mitigating alert fatigue and reducing reaction latency. Modern EDR agents leverage these technologies to autonomously analyze vast endpoint telemetry datasets, filtering benign anomalies from actual security incidents without immediate human input, thereby shortening the time attackers remain undetected. IBM's 'Cost of a Data Breach Report 2024' (July 2024) noted that organizations utilizing extensive security AI and automation contained breaches 98 days faster than those without such capabilities. Additionally, Check Point Software reported in 2024 that organizations faced an average of 1,308 weekly cyberattacks, emphasizing the immense threat volume that automated EDR solutions must manage to protect enterprise environments.

Market Challenge

A critical deficiency in skilled cybersecurity professionals poses a significant hurdle to the growth of the Endpoint Detection and Response market. These systems produce large volumes of complex telemetry and alerts that necessitate human analysis to distinguish between harmless anomalies and genuine threats. When organizations lack adequate personnel to interpret this data, they suffer from operational bottlenecks and alert fatigue, which diminishes the software's practical value. As a result, potential buyers frequently postpone or limit their investment in detection platforms because they lack the internal capability to manage the required workflows effectively.

This workforce shortage directly affects market revenue by restricting the scalability of security operations. Companies are less inclined to adopt comprehensive monitoring

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tools if the expense and difficulty of recruiting qualified analysts outweigh the technical benefits. According to ISC2, the global cybersecurity workforce gap reached 4.8 million professionals in 2024. This persistent lack of available talent compels many enterprises to maintain leaner security infrastructures, thereby slowing the overall adoption rate of endpoint solutions that depend on expert management.

Market Trends

The shift from standalone Endpoint Detection and Response to Extended Detection and Response (XDR) ecosystems marks a fundamental structural evolution in the market. Organizations are increasingly replacing isolated endpoint monitoring with XDR platforms that correlate telemetry across networks, cloud workloads, and identity systems to reveal complex kill chains that evade traditional agents. This transition is driven by adversaries refocusing on cloud infrastructure and credential abuse, making endpoint-only visibility inadequate for comprehensive defense. CrowdStrike?s '2024 Global Threat Report' (February 2024) noted a 75 percent year-over-year increase in cloud environment intrusions, underscoring the urgent need for solutions that extend detection capabilities beyond the physical device to cover the entire enterprise digital estate.

Simultaneously, the integration of Generative AI is revolutionizing threat investigation by democratizing access to advanced security operations. Unlike traditional machine learning focused on backend anomaly detection, Generative AI enables analysts to query datasets using natural language, automatically produce incident summaries, and receive guided remediation steps. This trend lowers technical barriers, allowing junior staff to perform complex threat-hunting tasks that previously required specialized knowledge of proprietary query languages. According to Splunk?s 'State of Security 2024' report (April 2024), 91 percent of security leaders use generative AI specifically for cybersecurity operations, highlighting the rapid industry-wide adoption of these language-model-driven capabilities to enhance analyst productivity.

Key Market Players

CrowdStrike Falcon

SentinelOne Singularity

Microsoft Defender for Endpoint

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Palo Alto Networks Cortex XDR

Symantec Endpoint Protection Cloud

Trend Micro Deep Discovery Endpoint Protection

BITDEFENDER GRAVITYZONE ULTRA

McAfee Endpoint Security

Amazon Web Services, Inc.

Kaspersky Endpoint Security

Report Scope

In this report, the Global Endpoint detection response (EDR) Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Endpoint detection response (EDR) Market, By Threat Type

Malware

Advanced Persistent Threats (APTs)

Insider Threats

Zero-Day Exploits

Endpoint detection response (EDR) Market, By Component

Hardware

Software

Services

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Endpoint detection response (EDR) Market, By End-User Industry

- Retail
- Finance
- Healthcare
- Telecommunications
- Manufacturing
- Others

Endpoint detection response (EDR) Market, By Region

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
- Asia Pacific
  - China

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India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Endpoint detection response (EDR) Market.

Available Customizations:

Global Endpoint detection response (EDR) Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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Detailed analysis and profiling of additional market players (up to five).

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