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Endpoint detection response (EDR)Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 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, and By Competition

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Abstracts

The Global Endpoint Detection and Response (EDR) Market is currently experiencing robust growth, and this momentum is expected to continue into the forecast period. Projections indicate a Compound Annual Growth Rate (CAGR) of 26.2% by 2028, surpassing USD 2.71 billion in 2022.

EDR technology, which leverages satellites, aircraft, and various sensing devices, plays a pivotal role across diverse industries. It provides invaluable insights and data without requiring physical contact, facilitating efficient monitoring and analysis of Earth's surface and atmosphere parameters.

The growing demand for EDR solutions can be attributed to several key drivers. Firstly, there is a rising need for precise, real-time data in sectors such as agriculture, forestry, environmental monitoring, and healthcare. EDR empowers businesses to access accurate information related to crop health, land utilization, weather patterns, and natural resource management, thereby enhancing their decision-making processes.

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Additionally, the increasing adoption of EDR stems from a growing awareness of its benefits and the necessity for efficient data collection and analysis. Businesses recognize the value of remote sensing in optimizing operations, reducing costs, and gaining a competitive edge in their respective markets.

The market's growth is further driven by significant advancements in EDR technology. These include the development of high-resolution imaging systems, enhanced data processing techniques, and the integration of Artificial Intelligence (AI) and Machine Learning (ML) algorithms. These innovations enhance the precision, efficiency, and reliability of remote sensing data, fueling market expansion.

Furthermore, the global emphasis on sustainable development and environmental conservation is expected to boost the demand for EDR solutions. Organizations and businesses increasingly use remote sensing data to monitor and mitigate the environmental impact of human activities, driving a higher demand for remote sensing technologies.

In conclusion, the Global Endpoint Detection and Response (EDR) Market is currently witnessing substantial growth, driven by factors such as the need for accurate data, technological advancements, and a heightened focus on sustainability. As businesses across various industries recognize the immense value of EDR solutions, the market is poised for significant expansion in the foreseeable future. This presents a compelling opportunity for businesses to leverage EDR technology to enhance their operations, decision-making processes, and overall competitiveness in the global marketplace.

Please note that this information is based on general knowledge and understanding of the topic. It's always recommended to conduct thorough market research and analysis specific to your industry and business needs before making any strategic decisions..

Key Market Drivers

Rising Cyber Threat Landscape

As cyber attacks become sophisticated, numerous and damaging, the need for effective endpoint security is growing. Hackers evolving their tactics to exploit vulnerabilities and breach organizations. Ransomware attacks in particular have surged in recent years, disrupting and demanding payment. With more employees working remotely and using personal devices, the attack surface has expanded significantly. Legacy antivirus solutions are often not enough to and prevent modern threatsDR provides deeper

visibility to detect threats earlier, investigate incidents faster and respond automatically. It monitors endpoint behavior to identify anomalies that may indicate. The complexity of today's landscape a major factor driving increased adoption of E solutions.

Regulatory Compliancements

Stringent data privacy and security regulations around the world are also contributing to the EDR market opportunity. such as GD Europe and CCPA in the US impose hefty fines on organizations that data breaches or do not adequately protect sensitive information. EDR assists in meeting compliance requirements through continuous monitoring, auditing, detecting unauthorized access and advanced threat hunting abilities. It provides logs, reports and forensics needed for audits and investigations. As regulations continue to tighten, companies are compelled to implement robust security postures including EDR to avoid non-compliance penalties. This regulatory pressure prompting many firms to DR products and to maintain the productivity.

Remote Workforce Trends

The global shift to remote hybrid work models the pandemic has highlighted the need for EDR solutions. With employees using personal devices and connecting from various locations, the traditional network perimeter has dissolved. Yet the need to protect sensitive data and applications remains unchanged. EDR allows security teams safeguard company assets regardless of user location or device type. It extends protection to endpoints outside the corporate network that may be more vulnerable to attacks. As flexible work becomes the new normal even post-pandemic, the remote workforce trend will continue driving EDR adoption among organizations wanting to enable secure remote access and maintain control over their endpoints anywhere.

Key Market Challenges

Rising Complexity of Cyberreats

As cybercriminals become more sophisticated the threats facing organizations are growing increasingly complex. Attackers areaging new techniques fileless malware off land, and supply chain compromises that are difficult for traditional antivirus and firewall solutions to detect. At the same time the attack surface is expanding as more devices to corporate networks and employees work from anywhere. This has made preventing, detecting, and to breaches more challenging for security teams. EDR solutions to provide deeper visibility and automated response, but they still struggle to keep up the

latest threats. There is a skills shortage of cybersecurity professionals who understand these new tactics. Unless EDR vendors can help narrow the gap between attack innovation and capabilities through advanced AI and complexity of threats will a hurdle market.

Integration and Interoperability Issues

For EDR to be effective, it needs to work seamlessly with an organization's existing security infrastructure. However, many businesses currently use a patchwork of point solutions from that were purchased over time. to issues with system and data integration as well asoper between products. Investigation and response fragmented as analysts must switch between consoles Standardization of APIs, protocols, and data formats help is an ongoing process. Lack of integration drives up costs and spent on incident response. To drive further EDR adoption, vendors must focus on that well with common SIEM, firewall, endpoint, and identity platforms. They should provide centralized management and reporting that gives security teams a unified view and workflow.coming integration challenges be key for the long-term of the EDR market.

Key Market Trends

Growing Adoption of Cloud- EDR Solutions

The cloud-based deployment model for solutions significant traction among organizations globally. Cloud-based E various advantages such as scalability cost-effectiveness, easy deployment and management. It eliminates the for-hardware procurement and maintenance which reduces upfront capital expenditure. The solutions can be accessed from anywhere using an internet connection, enabling flexible working models This is driving the adoption of cloud-based E significantly. According to a recent report, the cloud-basedDR market is expected to grow at a CAGR of over 15% during the forecast as cyber threats, organizations are increasingly adopting cloud-based EDR to gain comprehensive visibility and protection for their endpoints located both on-premises and remote locations. This trend is to continue in the coming years and support the growth of the overall EDR market.

Integration of AI and Learning abilities

With the proliferation of AI and machine learning technologies, EDR are integrating these capabilities into their solutions to enhance detection. AI and machine learning help EDR analyze vast amounts of endpoint data, identify anomalies and malicious

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patterns faster. They also enable generating insights and recommendations for security teams to prioritize response actions. This data-driven approach improves detection accuracy and reduces positives. Vendors are leveraging like user and entity behavior analytics automated threat hunting, predictive analysis to bring more intelligence to the EDR systems. The integration of AI allowing solutions to autonomy previously unknown threats in real-. This trend is gaining momentum as organizations recognize the of AI-next-generation EDR to stay ahead of the sophisticated tactics of cybercriminals.

Focus on Integrated XDR Solutions

With the expansion of attack surfaces, security teams require a consolidated view coordinated response across multiple security layers. is to the rise of extended detection and responseXDR) solutions that integrate EDR capabilities with other security controls like detection and response (NDR), email and cloud security. XDR provides a single centralized platform for threat detection, and automated response across the entire. It generates a wider context around threats and reduces security blind spots. As threats become more distributed, vendors are focusing on developing tightly integrated XDR platforms that combine data from various sources to deliver augmented detection, prioritized alerts and coordinated response. This trend expected to continue as XDR solutions help organizations gain better visibility, optimize security operations and risks from both known and unknown threats.

Segmental Insights

Threat Type Insights

In 2022, Malware refers to malicious software is designed to infiltrate and damage computers and computer systems without the owner's consent. includes viruses, worms, trojans, ransomware, and spyware. 2022, malware threats to proliferate and evolve rapidly. Cybercals leveraged more sophisticated malware variants and increasingly targeted remote and home workers as organizations embraced hybrid work in the wake of the COVID-19 pandemic. This led to a surge in malware attacks on endpoints such as laptops, desktops, smartphones,.

At the same time, ransomware attacks continued toreak hav across various industries and geographies. Destructive ransomware strains like Conti, REvil, LockBit emerged as the most prevalent ransomware families. They employed double extortion tactics involving data encryption and theft to maximize ransom payouts The high success rate of these attacks pushed many organizations to heavily in advanced EDR solutions

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round-the-clock malware protection, detection and response capabilities on all endpoints Furthermore, the proliferation of crypto-mining malwarenets that secretly use infected devices to generate cryptocurrency also to malware segment's in the EDR market.

Overall, the malware segment accounted for of the global EDR market in 2022 due to the massive financial and reputational losses organizations sustained from undetected infections. is to its market leadership over the forecast as malware attacks remain the top cyber threat for most businesses., the persistent threats () and zero-day exploits segments are to witness higher growth rates owing to rising geopolitical tensions and nation-state sponsored hacking activities..

Component Insights

By Component, the software segment dominated the global endpoint detection and response (EDR) market22 and is expected to maintain its dominance during the. The segment accounted for the largest market share in 2022, as EDR solutions primarily consist of software that is installed on/servers to threats and respond to incidents.

EDR software provides capabilities like continuous monitoring, detection, incident response, andmedi. It analyzes endpoint behaviors in real-time to detect known and unknown threats. The software collects data from, analyzes it using machine and behavioral analytics, and triggers alerts for any suspicious activities. then provides response features like quarantining, blocking, or isolating infected endpoints to contain threats.

With the increasing sophistication ofattacks, organizations are widely adopting EDR software to strengthen their security posture. EDR offers comprehensive visibility across the IT infrastructure and helps security teams detect early before damage occurs. It automates many response activities to reduce costs andime. Moreover, EDR software being integrated with SOAR (Security Oration, Automation and Response) platforms to automate entire kill chains and improve security operations.

Owing to the above-mentioned advantages, EDR software segment is expected to continue dominating the market in terms of revenue the forecast period software forms the core component of any EDR solution and drives most of the spending on EDR technologies by organizations globally. The software segment will continue gaining greater importance due to the rising need for advanced threat detection automated incident.

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Regional Insights

In 2022, the Global Endpoint Detection and Response (EDR) Market witnessed a remarkable dominance in the type segment, with 'Cloud-Based EDR Solutions' emerging as the frontrunner. This dominance is expected to persist and even strengthen during the forecast period. Cloud-based EDR solutions garnered significant traction due to their scalability, flexibility, and cost-efficiency. Organizations across various regions recognized the advantages of cloud-based EDR in rapidly evolving threat landscapes. These solutions provided seamless remote monitoring, real-time threat detection, and response capabilities, which became paramount in the context of the evolving cyber threats. Furthermore, the ease of deployment and management associated with cloud-based EDR solutions made them particularly attractive to businesses of all sizes. As the global business landscape continues to prioritize digital transformation and remote work arrangements, the demand for cloud-based EDR solutions is poised to surge further. This trend is expected to solidify the dominance of cloud-based EDR solutions in the Global EDR Market throughout the forecast period, making them a cornerstone of cybersecurity strategies for organizations worldwide.

Key Market Players

CrowdStrike Falcon

SentinelOne Singularity

Microsoft Defender for Endpoint

Palo Alto Networks Cortex XDR

Symantec Endpoint Protection Cloud

Trend Micro Deep Discovery Endpoint Protection (Japan)

BITDEFENDER GRAVITYZONE ULTRA (ROMANIA)

McAfee Endpoint Security

Amazon Web Services, Inc.

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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

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

Retail

Finance

Healthcare

Telecommunications

Manufacturing

Others

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Endpoint detection response(EDR)Market, By Region:

- North America
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  - Canada
  - Mexico
- Europe
  - France
  - United Kingdom
  - Italy
  - Germany
  - Spain
  - Netherlands
  - Belgium
- Asia-Pacific
  - China
  - India
  - Japan
  - Australia
  - South Korea

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Thailand

Malaysia

South America

Brazil

Argentina

Colombia

Chile

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

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, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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

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