

Global Network Detection and Response (NDR) Market: Analysis By Deployment, By Component, By Application, By Region Size and Trends with Impact of COVID-19 and Forecast up to 2026

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Abstracts

The global network detection and response (NDR) market in 2021 was valued at US\$2.24 billion, and is likely to reach US\$4.60 billion by 2026. In the past few years, modern communication is highly dependent on networks. Many organizations rely over network which play an important part in overall IT infrastructure. As a result, networks are a popular target for cyber-attackers attempting to disrupt enterprises and governments all around the world.

Network Detection and Response is a cyber-security solution that continuously monitors an organization's network. It uses behavioral analytics, machine learning, and artificial intelligence to detect cyber threats. With the rising acceptance of digitalization in both government agencies and private organizations and rising numbers of internet users, there is a huge requirement for cyber-security solutions for networks globally to prevent data leakage and privacy violations. The network detection and response market is projected to grow at a CAGR of 14.04% during the forecast period of 2022-2026.

Market Segmentation Analysis:

By Deployment: The report splits the global network detection and response market into three different segments based on the type of deployment: cloud-based and on-premises. Cloud based segment captured the highest share of the global market with more than half of the market share as well as is the fastest growing segment, with a CAGR of around 15% over the forecasted period, owing to enterprises increasingly adopt cloud-based services and products.

By Components: In this Report, the market has been segmented into two component types: solutions, and services. The services segment is the fastest growing segment of the market, growing at a CAGR of 27.8%, during 2022-2026, due to the increased use of cloud computing and the progression of cyber-crime as technology advances throughout the forecasted period.

By Application: On the basis of application, the market has been segmented as large enterprises and small & medium enterprises. Large enterprises segment held the major share in the market. The IT security needs of SMEs have been relatively underserved compared with the significantly larger enterprise segment. In recent years, internet connectivity has provided the opportunity for hackers to attack large enterprises causing huge reputational and financial losses, this has resulted in an increase in the need for network detection and response cyber security solutions in large enterprises.

By Region: According to this report, the global market can be divided into five major regions, on the basis of geographical areas: North America (The US, Canada, and Mexico); Europe (UK, Germany, France, Spain, Italy and Rest of Europe); Asia Pacific (China, India, Japan, South Korea and Rest of Asia Pacific); Latin America; and the Middle East and Africa. The North American network detection and response market enjoyed the major share of almost half of the total of the global market share in 2021, primarily owing to the region's significant investments in cyber-security solutions to prevent intellectual property theft and compromise of systems used to monitor and control the country's defense systems and capabilities. On the other hand, the Asia Pacific network detection and response market is the emerging region in the global market, growing at a CAGR of 15.2% due to increasing adoption of cloud-based solutions by both large enterprises and SMEs in the region.

Global Network detection and response Market Dynamics:

Growth Drivers: With the number of internet users worldwide increasing at a rapid pace, the threat of cyber-attacks is rising, Network Detection and Response enables organizations to detect such malicious behavior and respond. The increasing number of internet users is a major driver of the market. Further, the NDR market is expected to increase due to increasing digitalization, rising e-commerce sales, surge in cybercrime rate, etc. in recent years.

Challenges: Network security availability and dependability are critical in the digital age for every organization and sector. With the rising number of cyber-attacks and

incidences of data theft, achieving this level of cyber security, along with a strong infrastructure, is becoming increasingly difficult. Additionally, other factors like, advancement in cybercrimes, etc. are some challenges to the market.

Trends: 5G promises to revolutionize connection, enabling IoT, and delivers lightning-fast speeds and reduced latency than 4G. This provides an opportunity for advanced NDR solutions in the future years. More trends in the market are believed to grow the network detection and response market during the forecasted period, which may include advancement of internet of things (IoT) devices, integration of artificial intelligence in NDR system, intensifying edge computing trend, etc.

Impact Analysis of COVID-19 and Way Forward:

The COVID-19 pandemic had a positive impact on the global NDR market. As a result of the pandemic, there was a heightened demand for remote working, increased awareness about the need for cyber-security was observed. In the coming years, the market is predicted to grow at a faster rate, owing to changes created during the pandemic. With increased adoption of remote working models as well as hybrid models, the trend would continue to boost the demand for NDR solutions in post- COVID era. Further, factors such as increased online frauds, growing internet penetration, adoption of concepts such as BYOD and CYOD would provide a boom in the industry in post COVID era.

Competitive Landscape and Recent Developments:

The global market for network detection and response is consolidated, with few major players operating worldwide. Network detection and response (previously known as network traffic analysis) companies are expanding their solutions with additional automatic and manual response functionalities. Since numerous manufacturers may use similar analytical techniques to data monitored via a SPAN port, network detection and response (NDR) remains a competitive market with a low barrier to entry.

The key players of the network detection and response market are:

Darktrace Ltd.

Cisco Systems, Inc.

VMware, Inc. (Lastline, Inc.)

Arista Networks

Vectra AI, Inc.

Sangfor Technologies, Inc.

Extrahop Networks

Trellix

Gigamon, Inc.

Corelight

Companies are focusing on extending their market presence through expansion strategies such as mergers and acquisitions, collaborations, and the development of innovative products. These strategies also aid businesses in entering new markets and expanding geographically. For example, in November, 2021, Bricata was acquired by Opentext. Further, XDR, which is NDR + EPDR + User Behavioral Analysis (UBA) + Distributed Deception Platforms (DDP) + Cloud Workload Protection Platforms, will be the future of NDR. This market-wide union of product categories is likely to occur during the next 3-5 years, however some vendors have already begun to acquire and merge these products.

Scope of the Report

The report titled “Global Network Detection and Response Market: Analysis By Deployment, By Component, By Application, By Region Size and Trends with Impact of COVID-19 and Forecast up to 2026”, includes:

An in-depth analysis of the global network detection and response market by deployment, by component, by application, by region, etc.

The regional analysis of the network detection and response market, including the following regions:

North America (The US, Canada, and Mexico)

Europe (UK, Germany, France, Spain, Italy and Rest of Europe)

Asia Pacific (China, India, Japan, South Korea and Rest of Asia Pacific)

Latin America

Middle East and Africa

Comprehensive information about emerging markets. This report analyses the market for various segments across geographies.

Brief segment analysis of the North America, Europe, and Asia Pacific network detection and response market.

Provides an analysis of the COVID-19 impact on the global network detection and response market, with post COVID impact analysis.

Assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall network detection and response market has also been forecasted for the period 2022-2026, taking into consideration the previous growth patterns, the growth drivers, and the current and future trends.

Evaluation of the potential role of network detection and response to improve the market status.

Identification of new technological developments, R&D activities, and collaborations occurring in the network detection and response market.

In-depth profiling of the key players, including the assessment of the business overview, market strategies, regional and business segments of the leading players in the market.

The recent developments, mergers and acquisitions related to mentioned key players are provided in the market report.

The in-depth analysis provides an insight into the market, underlining the growth rate and opportunities offered in the business.

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