

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.

Contents

1. EXECUTIVE SUMMARY

2. INTRODUCTION

2.1 Network Detection and Response: An Overview

2.1.1 Definition of Network Detection and Response

2.1.2 Benefits of Network Detection and Response (NDR)

2.2 Network Detection and Response Segmentation: An Overview

2.2.1 Network Detection and Response Segmentation

3. GLOBAL MARKET ANALYSIS

3.1 Global Network Detection and Response Market: An Analysis

3.1.1 Global Network Detection and Response Market by Value

3.1.2 Global Network Detection and Response Market by Deployment (cloud-based and on-premises)

3.1.3 Global Network Detection and Response Market by Component components (solutions, and services)

3.1.4 Global Network Detection and Response Market by Application (large enterprises and small & medium enterprises)

3.1.5 Global Network Detection and Response Market by Region (North America, Europe, Asia Pacific, Latin America, and the Middle East and Africa)

3.2 Global Network Detection and Response Market: Deployment Analysis

3.2.1 Global Cloud-based Network Detection and Response Market by Value

3.2.2 Global On-Premises Network Detection and Response Market by Value

3.3 Global Network Detection and Response Market: Component Analysis

3.3.1 Global Network Detection and Response Solution Market by Value

3.3.2 Global Network Detection and Response Service Market by Value

3.4 Global Network Detection and Response Market: Application Analysis

3.4.1 Global Large Enterprise Network Detection and Response Market by Value

3.4.2 Global SMEs Network Detection and Response Market by Value

4. REGIONAL MARKET ANALYSIS

4.1 North America Network Detection and Response Market: An Analysis

4.1.1 North America Network Detection and Response Market by Value

4.1.2 North America Network Detection and Response Market by Deployment (cloud-

based and on-premises)

4.1.3 North America Cloud-based Network Detection and Response Market by Value

4.1.4 North America On-Premises Network Detection and Response Market by Value

4.1.5 North America Network Detection and Response Market by Region (The US, Canada, and Mexico)

4.1.6 The US Network Detection and Response Market by Value

4.1.7 Canada Network Detection and Response Market by Value

4.1.8 Mexico Network Detection and Response Market by Value

4.2 Europe Network Detection and Response Market: An Analysis

4.2.1 Europe Network Detection and Response Market by Value

4.2.2 Europe Detection and Response Market by Deployment (cloud-based and on-premises)

4.2.3 Europe Cloud-based Network Detection and Response Market by Value

4.2.4 Europe On-Premises Network Detection and Response Market by Value

4.2.5 Europe Network Detection and Response Market by Region (UK, Germany, France, Spain, Italy and Rest of Europe)

4.2.6 UK Network Detection and Response Market by Value

4.2.7 Germany Network Detection and Response Market by Value

4.2.8 France Network Detection and Response Market by Value

4.2.9 Spain Network Detection and Response Market by Value

4.2.10 Italy Network Detection and Response Market by Value

4.2.11 Rest of Europe Network Detection and Response Market by Value

4.3 Asia Pacific Network Detection and Response Market: An Analysis

4.3.1 Asia Pacific Network Detection and Response Market by Value

4.3.2 Asia Pacific Network Detection and Response Market by Deployment (cloud-based and on-premises)

4.3.3 Asia Pacific Cloud-based Network Detection and Response Market by Value

4.3.4 Asia Pacific On-Premises Network Detection and Response Market by Value

4.3.5 Asia Pacific Network Detection and Response Market by Region (China, India, Japan, South Korea and Rest of Asia Pacific)

4.3.6 China Network Detection and Response Market by Value

4.3.7 Japan Network Detection and Response Market by Value

4.3.8 India Network Detection and Response Market by Value

4.3.9 South Korea Network Detection and Response Market by Value

4.3.10 Rest of Asia Pacific Network Detection and Response Market by Value

4.4 Latin America Network Detection and Response Market: An Analysis

4.4.1 Latin America Network Detection and Response Market by Value

4.5 Middle East & Africa Network Detection and Response Market: An Analysis

4.5.1 Middle East & Africa Network Detection and Response Market by Value

5. IMPACT OF COVID

5.1 Impact of COVID-19 on Global Network Detection and Response Market

5.2 Post-COVID-19 Impact on Global Network Detection and Response Market

6. MARKET DYNAMICS

6.1 Growth Driver

6.1.1 Escalating Internet Users

6.1.2 Increasing Digitalization

6.1.3 Rising E-commerce Sales

6.1.4 Surge in Cyber Crime Rate

6.1.5 Upwelling in Tech Startups

6.2 Challenges

6.2.1 Complexity of Network Infrastructure

6.2.2 Advancement in Cyber Crimes

6.3 Market Trends

6.3.1 Rising Implementation of 5G Networking

6.3.2 Advancement of Internet of Things (IoT) Devices

6.3.3 Integration of Artificial Intelligence in NDR system

6.3.4 Intensifying Edge Computing Trend

7. COMPETITIVE LANDSCAPE

7.1 Global Network Detection and Response Players by Market Share

7.2 Global Network Detection and Response Market Players: Product Comparison

7.3 Global Network Detection and Response Market Players: Mergers & Acquisition

8. COMPANY PROFILES

8.1 Darktrace Ltd.

8.1.1 Business Overview

8.1.2 Operating Region

8.1.3 Business Strategy

8.2 Cisco Systems, Inc.

8.2.1 Business Overview

8.2.2 Operating Segment

8.2.3 Business Strategy

8.3 VMware, Inc. (Lastline, Inc.)

- 8.3.1 Business Overview
- 8.3.2 Operating Segment
- 8.3.3 Business Strategy

8.4 Arista Networks

- 8.4.1 Business Overview
- 8.4.2 Operating Region
- 8.4.3 Business Strategy

8.5 Vectra AI, Inc.

- 8.5.1 Business Overview
- 8.5.2 Business Strategy

8.6 Sangfor Technologies, Inc.

- 8.6.1 Business Overview
- 8.6.2 Business Strategy

8.7 Extrahop Networks

- 8.7.1 Business Overview
- 8.7.2 Business Strategy

8.8 Trellix

- 8.8.1 Business Overview
- 8.8.2 Business Strategy

8.9 Gigamon, Inc.

- 8.9.1 Business Overview
- 8.9.2 Business Strategy

8.10 Corelight

- 8.10.1 Business Overview
- 8.10.2 Business Strategy

List Of Figures

LIST OF FIGURES

Figure 1: Benefits of Network Detection and Response (NDR)

Figure 2: Network Detection and Response Segmentation

Figure 3: Global Network Detection and Response Market by Value; 2017-2021 (US\$ Billion)

Figure 4: Global Network Detection and Response Market by Value; 2022-2026 (US\$ Billion)

Figure 5: Global Network Detection and Response Market by Deployment; 2021 (Percentage, %)

Figure 6: Global Network Detection and Response Market by Component; 2021 (Percentage, %)

Figure 7: Global Network Detection and Response Market by Application; 2021 (Percentage, %)

Figure 8: Global Network Detection and Response Market by Region; 2021 (Percentage, %)

Figure 9: Global Cloud-based Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 10: Global Cloud-based Network Detection and Response Market by Value; 2022-2026 (US\$ Billion)

Figure 11: Global On-Premises Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 12: Global On-Premises Network Detection and Response Market by Value; 2022-2026 (US\$ Billion)

Figure 13: Global Network Detection and Response Solution Market by Value; 2017-2021 (US\$ Million)

Figure 14: Global Network Detection and Response Solution Market by Value; 2022-2026 (US\$ Billion)

Figure 15: Global Network Detection and Response Service Market by Value; 2017-2021 (US\$ Million)

Figure 16: Global Network Detection and Response Service Market by Value; 2022-2026 (US\$ Billion)

Figure 17: Global Large Enterprise Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 18: Global Large Enterprise Network Detection and Response Market by Value; 2022-2026 (US\$ Billion)

Figure 19: Global SMEs Network Detection and Response Market by Value; 2017-2021

(US\$ Million)

Figure 20: Global SMEs Network Detection and Response Market by Value; 2022-2026

(US\$ Million)

Figure 21: North America Network Detection and Response Market by Value;

2017-2021 (US\$ Million)

Figure 22: North America Network Detection and Response Market by Value;

2022-2026 (US\$ Billion)

Figure 23: North America Network Detection and Response Market by Deployment;

2021 (Percentage, %)

Figure 24: North America Cloud-based Network Detection and Response Market by

Value; 2017-2021 (US\$ Million)

Figure 25: North America Cloud-based Network Detection and Response Market by

Value; 2022-2026 (US\$ Million)

Figure 26: North America On-Premises Network Detection and Response Market by

Value; 2017-2021 (US\$ Million)

Figure 27: North America On-Premises Network Detection and Response Market by

Value; 2022-2026 (US\$ Million)

Figure 28: North America Network Detection and Response Market by Region; 2021

(Percentage, %)

Figure 29: The US Network Detection and Response Market by Value; 2017-2021 (US\$

Million)

Figure 30: The US Network Detection and Response Market by Value; 2022-2026 (US\$

Billion)

Figure 31: Canada Network Detection and Response Market by Value; 2017-2021 (US\$

Million)

Figure 32: Canada Network Detection and Response Market by Value; 2022-2026 (US\$

Million)

Figure 33: Mexico Network Detection and Response Market by Value; 2017-2021 (US\$

Million)

Figure 34: Mexico Network Detection and Response Market by Value; 2022-2026 (US\$

Million)

Figure 35: Europe Network Detection and Response Market by Value; 2017-2021 (US\$

Million)

Figure 36: Europe Network Detection and Response Market by Value; 2022-2026 (US\$

Million)

Figure 37: Europe Network Detection and Response Market by Deployment; 2021

(Percentage, %)

Figure 38: Europe Cloud-based Network Detection and Response Market by Value;

2017-2021 (US\$ Million)

Figure 39: Europe Cloud-based Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 40: Europe On-Premises Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 41: Europe On-Premises Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 42: Europe Network Detection and Response Market by Region; 2021 (Percentage, %)

Figure 43: UK Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 44: UK Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 45: Germany Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 46: Germany Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 47: France Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 48: France Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 49: Spain Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 50: Spain Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 51: Italy Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 52: Italy Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 53: Rest of Europe Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 54: Rest of Europe Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 55: Asia Pacific Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 56: Asia Pacific Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 57: Asia Pacific Network Detection and Response Market by Deployment; 2021 (Percentage, %)

Figure 58: Asia Pacific Cloud-based Network Detection and Response Market by Value;

2017-2021 (US\$ Million)

Figure 59: Asia Pacific Cloud-based Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 60: Asia Pacific On-Premises Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 61: Asia Pacific On-Premises Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 62: Asia Pacific Network Detection and Response Market by Deployment; 2021 (Percentage, %)

Figure 63: China Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 64: China Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 65: Japan Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 66: Japan Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 67: India Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 68: India Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 69: South Korea Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 70: South Korea Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 71: Rest of Asia Pacific Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 72: Rest of Asia Pacific Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 73: Latin America Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 74: Latin America Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 75: Middle East & Africa Network Detection and Response Market by Value; 2017-2021 (US\$ Million)

Figure 76: Middle East & Africa Network Detection and Response Market by Value; 2022-2026 (US\$ Million)

Figure 77: Remote Work during COVID-19 Pandemic in the US; 2020 (Percentage, %)

Figure 78: Bring Your Own Device (BYOD) Security Concerns; 2020 (Percentage, %)

Figure 79: Percentage of the US work teams/ departments that plan to work remotely in five years compared with pre COVID-19 era; 2020 (Percentage, %)

Figure 80: Global Internet Users and Penetration; 2017-2022 (Billion & Percentage, %)

Figure 81: Global Spending On Digital Transformation Technologies & Services; 2017-2025 (US\$ Trillion)

Figure 82: Global Retail E-commerce Sales; 2020-2025 (US\$ Trillion)

Figure 83: Organizations Compromised By At Least One Successful Attack; 2018-2021 (Percentage, %)

Figure 84: Organizations Affected by Ransom-ware; 2018-2021 (Percentage, %)

Figure 85: Global Distribution of Tech Startups by Industry; 2020 (Percentage, %)

Figure 86: Global Number of Mobile 5G Subscriptions; 2021-2027 (Billion)

Figure 87: Global IoT Market Forecast; 2019-2025 (Billion Connected IoT devices)

Figure 88: Global Artificial Intelligence (AI) Market Revenue; 2020-2023 (US\$ Billion)

Figure 89: Global Edge Computing Market; 2020-2025 (US\$ Billion)

Figure 90: Global Network Detection and Response Players by Market Share; 2021 (Percentage, %)

Figure 91: Darktrace Ltd. Revenue by Region; 2021 (Percentage, %)

Figure 92: Cisco Systems, Inc. Revenue by Segment; 2021 (Percentage, %)

Figure 93: VMware, Inc. Revenue by Type; 2022 (Percentage, %)

Figure 94: Arista Network Revenue by Region, 2021 (Percentage, %)

Table 1: Global Network Detection and Response Market Players: Product Comparison

Table 2: Global Network Detection and Response Market Players: Mergers & Acquisition

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