![Market Publishers logo]

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Type (Cloud & On-Premises); By Technology (Machine Learning, Natural Language Processing & Context-Aware Computing); By Security Type (Network Security, Data Security, Identity and Access Security &, Cloud Security); By Application (Identity & Access Management, Risk & Compliance Management, Data Loss Prevention, Unified Threat Management, Security & Vulnerability Management, Antivirus/Antimalware, Fraud Detection/Anti-Fraud, IDS/IPS & Threat Intelligence); By End User (BFSI, Retail, IT and Telecom, Healthcare, Manufacturing, Government & Defense, Automotive & Transportation); and Region – Global Analysis of Market Size, Share & Trends for 2014 – 2019 and Forecasts to 2030

Abstracts

Product Overview
Artificial intelligence may simply be described as the implementation of AI technology to simplify complex cybersecurity processes to make the system more secure, stable, and autonomous in cybersecurity. In recent years, artificial intelligence (AI) has been

progressing by leaps and bounds. From applications in a multitude of features and innovations to the healthcare and pharmaceutical sectors as well. AI has already made its debut in the area of drug discovery & development and is sure to be embraced in the future by many more markets, sectors, markets, and applications. AI has the ability to process natural language and other features and their functionalities, from computer vision to speech recognition. AI has been a key instrument in reducing the cost of multiple processes, growth, production, automation, monitoring, adaptation, and a wide range of others. It is quickly seen as a blessing to our progressive future rather than a bane or a threat.

Market Highlights

Global AI in the Cyber Security Market is expected to project a notable CAGR of 23.5% in 2030.

Global AI in Cyber Security Market to surpass USD 28.09 billion by 2030 from USD 5.03 billion in 2018 at a CAGR of 23.5 % throughout the forecast period, i.e., 2019-30. Some of the key factors driving the growth of artificial intelligence in the cybersecurity market are growing demand for innovative cybersecurity solutions & privacy, increasing the frequency & sophistication of cyber-attacks, the advent of disruptive emerging technology across the industry verticals, and continuous technological developments in security solutions. In addition, growing government spending in the security sector, the growing need for small and medium-sized businesses for cloud-based security solutions, and the increasing adoption of 5 G technology are also leading to the growth of artificial intelligence in the cybersecurity market.

Global AI in Cyber Security Market: Segments

Software Segment to grow with the highest CAGR during 2019-30

Global AI in the Cyber Security Market is segmented by offering Hardware, software, and service. The hardware segment dominated the market in 2018, and it is further projected to continue its domination during the forecast period. Whereas, the software segment is expected to see the fastest growth in AI in the cybersecurity market on the basis of availability. In addition to machine learning (ML) algorithms, in order to understand cybersecurity applications, different types of software are needed in AI systems, which include application program interfaces (APIs), such as language, voice, sensor data, and vision. In order to implement cybersecurity applications, AI systems require various types of software, including application program interfaces, such as language, voice, vision, and sensor data, along with machine learning algorithms.

Machine learning Segment to grow with the highest CAGR during 2019-30

Global AI in Cyber Security Market is segmented by Technology into Machine Learning,

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

Natural Language Processing, and Context-Aware Computing. Based on Technology, the ML category held the largest share in the AI in the cybersecurity market in 2018. ML occupies major market share is largely due to its ability to better handle threat learning algorithms to protect companies by using voluminous data. In order to avoid similar attacks and respond to evolving actions, cybersecurity systems will analyze patterns and learn from them with ML. Machine learning technology provides rapid data collection, prediction, and processing from limitless sources and also helps to analyze and interpret user actions, making it the most commonly used AI technology in the cybersecurity market.

Cloud security services Segment to grow with the highest CAGR during 2019-30
Global AI in Cyber Security Market is segmented by security type into Identity and access security services, network security services, cloud security services, data security services, and others. Based on security type, the network security category held the largest share in the AI in the cybersecurity market in 2018. The growth of the segment of network protection is mainly driven by the increase in the adoption and susceptibility of wireless networks, as facilities today increasingly rely on wireless networks for data transfer. Having a better framework for network protection reduces the risk of cyber-attacks and sabotage of data. During the forecast period, AI for cloud cybersecurity services is forecast to see the fastest growth. The key factors responsible for the fastest growth of AI in the market for cybersecurity services are the growing number of or large companies using the data repository cloud platform and as servers, rendering it vulnerable to cyber-attacks.

Cloud-based Segment to grow with the highest CAGR during 2019-30
Based on deployment, the on-premises segment is expected to account for the largest share of the overall artificial intelligence in the cybersecurity market in 2018 due to increased concerns about improving internal processes & systems, security issues related to cloud deployment, and increased demand among industry verticals for advanced security application software. However, due to the growing number of large organizations utilizing cloud services for data repositories and increasing demand to minimize the capital expenditure needed to introduce cybersecurity solutions, cloud-based deployment is projected to expand at the fastest CAGR during the forecast era. In addition, many companies are transitioning activities to the cloud, which has led suppliers of cybersecurity to build cloud-based solutions.

Global AI in Cyber Security Market: Market Dynamics
Drivers
Increasing Number of Cyber Frauds and Malicious Attacks

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

With the rising incidence of cybercrimes, artificial intelligence in cybersecurity is playing a vital role in combating such miscreants. Cyber frauds, such as identity and payment card thefts, account for over 55% of all cybercrimes, and they cause major losses to organizations, if not countered quickly. AI-driven solutions combat cyber fraud by identifying threats, reducing response time, and refining techniques to distinguish attacks that require immediate attention. In industry verticals, such as healthcare organizations and BFSI, the proliferation of connected devices has created a security blind spot where cybercriminals or hackers can target devices such as webcams, smart TVs, routers, printers, and even smart home appliances.

Growing Adoption of IoT and Increasing Number of Connected Devices
Advances in AI, coupled with the increasing need for pervasive connectivity and real-time communication, cause the efficiency of IoT-powered devices to expand exponentially. In the coming years, the number of IoT-connected devices is anticipated to see healthy growth. Growing IoT adoption and the growing number of connected devices are thus boosting AI in the growth of the cybersecurity industry. Rapid technological advancements and developments, an increased threat from unauthorized access to networks, hacking, and fraud, etc., contribute to the adoption of more sophisticated and safer cybersecurity technologies & solutions by businesses on a global scale and by major governments.

Restrain
Lack of awareness and high cost of AI solutions
Key challenges faced by AI in the cybersecurity industry are limiting the security budget against cyber-attacks, especially in developing and underdeveloped countries, and the inefficiency of AI in resolving cyber threats in advance, which are key challenges facing AI in the cybersecurity industry. Moreover, the lack of qualified AI and cybersecurity experts for cyber threats has a negative impact on market growth.

Global AI in Cyber Security Market: Key Players
Micron Technology, Inc

Company Overview

Business Strategy
Key Product Offerings
Financial Performance
Key Performance Indicators
Risk Analysis

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

Recent Development

Regional Presence

SWOT Analysis

Intel Corporation

Xilinx Inc.

IBM Corporation

Amazon Web Services, Inc.

Samsung Electronics Co., Ltd.

NVIDIA Corporation

Darktrace

Cylance Inc

Vectra AI, Inc.

Global AI in Cyber Security Market: Regions

Global AI in the Cyber Security Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, APAC, and MENA.

Global AI in Cyber Security Market in North America held the largest market share of XX.X% in the year 2018. As the number of cyber-attacks is increasingly growing in the region, superiority can be attributed to companies deploying cybersecurity solutions. The occurrence of cybercrimes, such as ransomware, is increasing at an exorbitant rate, causing large-scale business disruption and financial losses. Canada is also experiencing a dramatic rise in phishing messages and network violations, which clearly indicates a multitude of opportunities in the cybersecurity industry for artificial intelligence. The high rate of digitization due to a large number of companies providing digital solutions and the emergence of established players in their AI in the cybersecurity sector are other factors contributing to the growth of the region.

Competitive Landscape:

Global AI in Cyber Security Market which is highly competitive, consists of several major players such as NVIDIA Corporation (US), Intel Corporation (US) holds a substantial market share in the Global AI in Cyber Security Market. Other players analyzed in this report are Point Software Technologies Ltd, Juniper Networks, Inc., Amazon, Inc., Intel Corporation, RSA Security LLC, Palo Alto Networks, Inc., Fortinet, Inc., IBM Corporation, Inc., FireEye, Inc., BAE Systems Plc, Cisco Systems Inc., and Symantec Corporation among others

Recently, various developments have been taking place in the market. For instance, NVIDIA announced the Jetson Nano, an AI computer that makes it possible to create

millions of intelligent systems. The small but powerful CUDA-X AI computer delivers 472 GFLOPS of computing performance for running modern AI workloads and is highly power-efficient, consuming as little as 5 watts.

Global AI in Cyber Security Market is further segmented by region into:
North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – the United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe
APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC
MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA
Global AI in Cyber Security Market report also contains analysis on:
Global AI in Cyber Security Market Segments:
By Offering:
Hardware
Software
Service
By Deployment Type:
Cloud
On-Premise
By Security Type:
Network Security
Endpoint Security
Application Security
Cloud Security
By Technology:
Machine Learning
Natural Language Processing
Context-Aware Computing
By Application:
Identity & Access Management
Risk & Compliance Management

Data Loss Prevention

Unified Threat Management

Security & Vulnerability Management

Antivirus/Antimalware

Fraud Detection/Anti-Fraud

Intrusion Detection/Prevention System

Threat Intelligence

Others (firewall, disaster recovery, DDoS mitigation, web filtering, application whitelisting, and patch management)

By End-user:

BFSI

Retail

Government & Defense

Manufacturing

Infrastructure

Enterprise

Healthcare

Automotive & Transportation

Others (oil & gas, education, energy)

AI in Cyber Security Market Dynamics

AI in Cyber Security Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Contents

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

9.1. Demand Risk Analysis

9.2. Supply Risk Analysis

10. GLOBAL AI IN CYBER SECURITY MARKET ANALYSIS

10.1. Porters Five Forces
  10.1.1. Threat of New Entrants
  10.1.2. Bargaining Power of Suppliers
  10.1.3. Threat of Substitutes
  10.1.4. Rivalry
10.2. PEST Analysis
  10.2.1. Political
  10.2.2. Economic
  10.2.3. Social
  10.2.4. Technological

11. GLOBAL AI IN CYBER SECURITY MARKET

11.1. Market Size & forecast, 2019A-2030F
  11.1.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
  11.1.2. By Volume (Million Units) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12. GLOBAL AI IN CYBER SECURITY MARKET: MARKET SEGMENTATION

12.1. By Regions
  12.1.1. North America:(U.S. and Canada)
    12.1.1.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
  12.1.2. Europe: (Brazil, Mexico, Argentina, Rest of Latin America)
    12.1.2.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
  12.1.3. Asia-Pacific: (Germany, UK, France, Italy, Spain, BENELUX, NORDIC, Hungary, Poland, Turkey, Russia, Rest of Europe)
    12.1.3.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
  12.1.4. LATAM: (Brazil, South Africa, Saudi Arabia, U.A.E. and Other Countries)
    12.1.4.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
  12.1.5. MEA: (Brazil, South Africa, Saudi Arabia, U.A.E. and Other Countries)
    12.1.5.1. By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F
12.2. By Offering: Market Share (2020-2030F)
  12.2.1. Hardware, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

12.2.2. Software, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.2.3. Service, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.3. By Deployment Type: Market Share (2020-2030F)

12.3.1. Cloud, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.3.2. On-Premise, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.4. By Security Type: Market Share (2020-2030F)

12.4.1. Network Security, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.4.2. Endpoint Security, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.4.3. Application Security, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.4.4. Cloud Security, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.5. By Technology: Market Share (2020-2030F)

12.5.1. Machine Learning, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.5.2. Natural Language Processing, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.5.3. Context-Aware Computing, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6. By Application: Market Share (2020-2030F)

12.6.1. Identity & Access Management, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.2. Risk & Compliance Management, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.3. Data Loss Prevention, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.4. Unified Threat Management, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.5. Security & Vulnerability Management, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.6. Antivirus/Antimalware, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.7. Fraud Detection/Anti-Fraud, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

12.6.8. Intrusion Detection/Prevention System, By Value (USD Million) 2019-2030F; Y-o-Y Growth (%) 2020-2030F

Consultant Recommendation

**The above given segmentation and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

I would like to order

Product name: AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Type (Cloud & On-Premises); By Technology (Machine Learning, Natural Language Processing & Context-Aware Computing); By Security Type (Network Security, Data Security, Identity and Access Security &, Cloud Security); By Application (Identity & Access Management, Risk & Compliance Management, Data Loss Prevention, Unified Threat Management, Security & Vulnerability Management, Antivirus/Antimalware, Fraud Detection/Anti-Fraud, IDS/IPS & Threat Intelligence); By End User (BFSI, Retail, IT and Telecom, Healthcare, Manufacturing, Government & Defense, Automotive & Transportation); and Region – Global Analysis of Market Size, Share & Trends for 2014 – 2019 and Forecasts to 2030

Product link: https://marketpublishers.com/r/A8A0650A4A3DEN.html

Price: US$ 5,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/A8A0650A4A3DEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

AI in Cyber Security Market: Market Segments: By Offering (Hardware, Software and Services); By Deployment Typ...

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970