+357 96 030922
info@marketpublishers.com

# Blockchain in Cybersecurity Market Forecasts to 2032 – Global Analysis By Component (Software Solutions and Services), Security Type (Private Blockchain, Public Blockchain and Hybrid Blockchain), Platform, Organization Size, Deployment Mode, Application, End User and By Geography

https://marketpublishers.com/r/BE197F86A3E0EN.html
Date: July 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: BE197F86A3E0EN

## Abstracts

According to Stratistics MRC, the Global Blockchain in Cybersecurity Market is accounted for $123.0 billion in 2025 and is expected to reach $1270.7 billion by 2032 growing at a CAGR of 39.6% during the forecast period. Blockchain in cybersecurity is the application of decentralized ledger technology to enhance data integrity, transparency, and resilience against cyber threats. By storing information across distributed nodes and using cryptographic hashing, blockchain mitigates risks of tampering, unauthorized access, and single-point failures. It is increasingly used for identity verification, secure data sharing, and transaction authentication. The immutability and traceability of blockchain records support robust security frameworks across sectors, bolstering trust in critical systems and digital infrastructures.

According to study on blockchain-based cybersecurity systems, implementing decentralized, immutable ledgers enabled secure sharing of threat intelligence ensuring all interactions were verifiable and traceable, thereby mitigating insider threats and improving collaborative defense.

Market Dynamics:

Driver:

+357 96 030922
info@marketpublishers.com

Demand for enhanced data integrity and transparency

Blockchain’s immutable ledger capabilities offer a transparent framework where every transaction is recorded and traceable, reducing the scope for unauthorized alterations. As businesses prioritize regulatory compliance and audit readiness, blockchain provides a trusted mechanism for data validation across networks. Enterprises are recognizing its utility in authenticating access credentials and securing sensitive records. The rising demand for decentralized identity verification and verifiable data exchange is propelling blockchain adoption in cybersecurity.

Restraint:

High implementation costs and resource intensive nature

Organizations must overhaul existing legacy systems to accommodate decentralized architectures, often requiring custom development. The cost of infrastructure, including node deployment and network scalability, presents a barrier for small and mid-sized enterprises. Moreover, on boarding skilled professionals to manage blockchain environments adds to operational expenses. Energy consumption, especially in public blockchains, has further raised concerns around sustainability and feasibility in enterprise security settings.

Opportunity:

Decentralized secure data storage and audit trails

Blockchain’s distributed ledger framework enables secure data storage without reliance on centralized servers, minimizing vulnerabilities from single-point failures. The technology creates detailed audit trails that log every system interaction, enhancing visibility and accountability. Such capabilities are crucial in sectors handling sensitive information, including healthcare, finance, and government. Advanced consensus protocols ensure only verified transactions are recorded, improving the accuracy and trustworthiness of cybersecurity systems.

Threat:

Private key management and human error

Loss, theft, or mismanagement of private keys can result in irreversible data breaches

+357 96 030922
info@marketpublishers.com

or asset access failures. Human error, such as poor key storage or incorrect configuration, may compromise an otherwise secure system. There's also growing concern around phishing tactics designed to steal credentials in decentralized environments. Without robust identity recovery mechanisms, blockchain-based cybersecurity platforms face risk exposure that traditional systems may mitigate differently.

Covid-19 Impact:

The pandemic accelerated the digitalization of enterprise operations, prompting a surge in cybersecurity demand and a re-evaluation of existing frameworks. Remote work setups exposed gaps in traditional security models, driving interest in blockchain's decentralized approach. However, resource diversion during COVID-19 delayed blockchain integration projects in several sectors. The need for resilient and traceable security protocols became evident, pushing blockchain back into strategic roadmaps.

The software solutions segment is expected to be the largest during the forecast period

The software solutions segment is expected to account for the largest market share during the forecast period due to their scalability and ease of deployment. These solutions manage encryption, data validation, and identity authentication without requiring extensive hardware modifications. Vendors are building modular platforms that can integrate with existing IT infrastructure while delivering blockchain's core benefits. Customizable dashboards, analytics tools, and API-driven frameworks enhance monitoring and threat detection capabilities.

The distributed ledger technology (DLT) platforms segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the distributed ledger technology (DLT) platforms segment is predicted to witness the highest growth rate owing to the platforms offer robust architectures for secure peer-to-peer communication, document verification, and access control. Innovations in consensus algorithms and scalability solutions are making DLT more enterprise-friendly. Businesses are leveraging platforms to build permission ecosystems where data can be shared across departments or partners with traceability and security.

Region with largest share:

+357 96 030922
info@marketpublishers.com

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to substantial investments in blockchain research and development. Governments and enterprises in the region are rolling out pilot projects to secure digital infrastructure against cyber threats. Countries like China, India, and South Korea are implementing blockchain in public services, finance, and telecom sectors. The region's dynamic startup ecosystem and favorable regulatory initiatives are supporting market maturity.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR due to the region benefits from a concentration of tech giants, mature digital ecosystems, and regulatory clarity. Cybersecurity startups are rapidly adopting blockchain to enhance service portfolios, especially in cloud security and identity verification. U.S. federal agencies and financial institutions are exploring blockchain for secure data management and fraud detection. With ongoing digital transformation and proactive threat mitigation efforts, North America remains a fertile ground for blockchain innovation in cybersecurity.

Key players in the market

Some of the key players in Blockchain in Cybersecurity Market include IBM, Trail of Bits, SlowMist, SAP, Quantstamp, Oracle, OpenZeppelin, Microsoft, Hewlett Packard Enterprise (HPE), Halborn, Guardtime, Empirica S.A., Digital Asset Holdings, Cyber Infrastructure Pvt. Ltd., CertiK, BlockSec, Bitfury Group and Accenture.

Key Developments:

In July 2025, IBM launched its new Power11 data center chips and servers, offering energy efficiency and near-zero planned software downtime. The Power11 line includes advanced ransomware detection (within a minute) and aims to simplify AI deployment with integrated software chip design.

In June 2025, Oracle and AMD announced a collaboration to offer Instinct MI355X GPU clusters on Oracle Cloud Infrastructure, enabling zettascale AI workloads. OCI users can access high-density AI training and inference capacity up to 131,072 MI355X GPUs with improved price-performance.

In April 2025, Accenture announced the Brainstorm AI 2025 series of global

+357 96 030922
info@marketpublishers.com

conferences, scheduled for London. Brainstorm AI highlights Accenture's position at the forefront of enabling AI transformation.

Components Covered:

- Software Solutions
- Services

Security Types Covered:

- Private Blockchain
- Public Blockchain
- Hybrid Blockchain

Platforms Covered:

- Blockchain-as-a-Service (BaaS)
- Distributed Ledger Technology (DLT) Platforms
- Cryptographic Platforms
- Other Platforms

Organization Sizes Covered:

- Small and Medium-sized Enterprises (SMEs)
- Large Enterprises

Deployment Modes Covered:

+357 96 030922
info@marketpublishers.com

On-premise

Cloud-based

Hybrid

Applications Covered:

Identity Management

Data Security & Integrity

Secure Communication

Distributed Denial of Service (DDoS) Protection

IoT Security

Supply Chain Security & Traceability

Smart Contract Security

Fraud Detection & Prevention

Other Applications

End Users Covered:

Banking, Financial Services, and Insurance (BFSI)

IT & Telecommunication

Healthcare & Life Sciences

Government & Public Sector

Retail & E-commerce

+357 96 030922
info@marketpublishers.com

- Manufacturing
- Transportation & Logistics
- Other End Users

Regions Covered:

- North America
  - US
  - Canada
  - Mexico
- Europe
  - Germany
  - UK
  - Italy
  - France
  - Spain
  - Rest of Europe
- Asia Pacific
  - Japan
  - China
  - India

+357 96 030922
info@marketpublishers.com

- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile
- Rest of South America

Middle East & Africa

- Saudi Arabia
- UAE
- Qatar
- South Africa
- Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market

+357 96 030922
info@marketpublishers.com

estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliance

+357 96 030922
info@marketpublishers.com

# Contents

+357 96 030922
info@marketpublishers.com

## 5 GLOBAL BLOCKCHAIN IN CYBERSECURITY MARKET, BY COMPONENT



## 6 GLOBAL BLOCKCHAIN IN CYBERSECURITY MARKET, BY SECURITY TYPE



## 7 GLOBAL BLOCKCHAIN IN CYBERSECURITY MARKET, BY PLATFORM



## 8 GLOBAL BLOCKCHAIN IN CYBERSECURITY MARKET, BY ORGANIZATION SIZE

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

# List Of Tables

## LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com



Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: Blockchain in Cybersecurity Market Forecasts to 2032 – Global Analysis By Component (Software Solutions and Services), Security Type (Private Blockchain, Public Blockchain and Hybrid Blockchain), Platform, Organization Size, Deployment Mode, Application, End User and By Geography

Product link: https://marketpublishers.com/r/BE197F86A3E0EN.html

Price: US$ 4,150.00 (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/BE197F86A3E0EN.html