

Cloud-native Application Protection Platform (CNAPP) Market Forecasts to 2032 – Global Analysis By Component (Platform and Services), Cloud Deployment Mode (Public Cloud, Private Cloud and Hybrid Cloud), Organization Size, Offering, End User and By Geography

<https://marketpublishers.com/r/CCEFC0740F13EN.html>

Date: July 2025

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: CCEFC0740F13EN

Abstracts

According to Statistics MRC, the Global Cloud-native Application Protection Platforms (CNAPP) Market is accounted for \$14.12 billion in 2025 and is expected to reach \$56.51 billion by 2032 growing at a CAGR of 21.9% during the forecast period. Cloud-native apps are protected throughout their whole lifespan, from development to deployment and runtime, via Cloud-native Application Protection Platforms (CNAPP), which are integrated security solutions. They integrate several security features into one platform, including runtime protection, identity and access control, vulnerability management, and compliance monitoring. With their ability to provide visibility and threat detection across cloud workloads, configurations, and code, CNAPPs are specifically designed for contemporary architectures such as microservices, serverless computing, and containers. CNAPPs assist businesses in lowering risk, guaranteeing compliance, and preserving constant security in ever-changing cloud settings by standardising DevSecOps procedures.

Market Dynamics:

Driver:

Explosive demand driven by cloud-native adoption

The demand for integrated security solutions is growing as more and more businesses move to microservices and containerised architectures. The dynamic needs of contemporary cloud systems are met by CNAPPs, which provide unified security throughout development and deployment pipelines. Cloud-native apps' scalability and adaptability necessitate constant security, which CNAPPs effectively supply. CNAPP investments are increasing as businesses look to reduce risk and guarantee compliance in multi-cloud and hybrid systems. Strong market growth and innovation are fuelled by this quick acceptance.

Restraint:

Integration complexity & cost: Deploying CNAPP

Integrating CNAPP technologies with their current IT infrastructure is a difficulty for many businesses. Implementation challenges are exacerbated by the requirement for specialised knowledge and resources. Adoption is discouraged for small and medium-sized businesses by high upfront costs. Deployment is also delayed by old system compatibility difficulties. Because of this, companies are hesitant to completely use CNAPP solutions, even if they offer security advantages.

Opportunity:

Multi-cloud and hybrid-cloud demand

Workloads are being spread over a variety of cloud environments by organisations in an effort to maximise efficiency and performance. The need for unified protection solutions like CNAPP is fuelled by the security issues this complexity causes. CNAPP solutions provide cloud infrastructure-wide integrated visibility, compliance, and threat detection. They are crucial for safe cloud-native development because of their capacity to adjust to changing cloud environments. The need for all-inclusive CNAPP solutions keeps growing as businesses embrace more adaptable cloud strategies.

Threat:

Data sovereignty & regulatory fragmentation

Providers must customise their solutions for every jurisdiction due to differing data protection rules, which raises operating expenses. For CNAPP vendors, this fragmentation restricts scalability and slows worldwide implementation. When data

moves across borders, organisations run the risk of legal issues, which makes them reluctant to use cloud-native solutions. Additionally, regulatory ambiguity discourages investment and innovation in CNAPP technology. As a result, these jurisdictional issues limit market expansion.

Covid-19 Impact

The Covid-19 pandemic significantly accelerated the adoption of Cloud-native Application Protection Platforms (CNAPP) as organizations rapidly shifted to remote work and cloud environments. This abrupt transition increased vulnerabilities and attack surfaces, driving urgent demand for integrated cloud security solutions. Enterprises prioritized CNAPP to ensure real-time threat detection, compliance, and application workload protection. The surge in cloud usage, combined with a rise in cyberattacks, made CNAPP critical for business continuity. Consequently, vendors innovated faster, integrating advanced AI and automation features to meet evolving cybersecurity needs in the post-pandemic digital landscape.

The platform segment is expected to be the largest during the forecast period

The platform segment is expected to account for the largest market share during the forecast period by offering integrated security solutions tailored for cloud-native environments. These platforms provide centralized visibility, automation, and orchestration of security across applications, workloads, and infrastructure. Their scalability and compatibility with multi-cloud and hybrid environments enhance operational efficiency and threat response. Continuous innovations in CNAPP platforms drive adoption among enterprises seeking to secure dynamic DevOps pipelines. As cloud adoption accelerates, demand for robust and unified protection platforms continues to grow rapidly.

The healthcare and life sciences segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the healthcare and life sciences segment is predicted to witness the highest growth rate, due to sensitive patient and research data. Strict regulatory compliance, such as HIPAA and GDPR, drives the need for robust cloud-native security. Healthcare organizations rely on CNAPP solutions to detect threats, ensure data integrity, and prevent breaches in real time. Increased use of AI-driven diagnostics and telehealth services necessitates continuous security monitoring and workload protection. As digital transformation deepens, this sector's investment in

CNAPP solutions continues to grow rapidly.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to increased digital transformation across industries, rising adoption of multi-cloud strategies, and expanding 5G infrastructure. Countries like China, India, Japan, and Australia are heavily investing in cloud-native security due to heightened cyber threats and growing regulatory pressure. The increasing number of tech startups and cloud-native application deployments is further propelling market demand. Additionally, government initiatives supporting data localization and secure digital economies are fueling market growth, with enterprises prioritizing CNAPP for workload visibility, runtime protection, and automated compliance in hybrid environments.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR by early cloud adoption, robust cybersecurity infrastructure, and strong presence of leading players such as Palo Alto Networks, Microsoft, and CrowdStrike. Enterprises across sectors like BFSI, healthcare, and retail are leveraging CNAPP solutions to secure complex multi-cloud environments. High-profile data breaches and stricter compliance requirements like HIPAA and CCPA are accelerating investments in cloud-native protection. The region also benefits from advanced R&D and venture capital funding, fueling innovation in threat intelligence, container security, and cloud workload protection technologies tailored to mission-critical applications.

Key players in the market

Some of the key players profiled in the Cloud-native Application Protection Platforms (CNAPP) Market include Palo Alto Networks, Wiz, Check Point, CrowdStrike, Trend Micro, Fortinet, Orca Security, Microsoft, Sysdig, Aqua Security, Zscaler, Lacework, Ermetic, PingSafe, Cyscale, Radware, Qualys and Forcepoint.

Key Developments:

In February 2025, Check Point and Wiz announced a deep, strategic alliance integrating Wiz's CNAPP into Check Point's CloudGuard platform. This empowers hybrid cloud protection with unified visibility, contextual threat prioritization, and migration support for CNAPP customers.

In February 2025, Palo Alto introduced Cortex Cloud—the next-gen evolution of Prisma Cloud—merging CNAPP, cloud detection and response (CDR) and AI-powered runtime protection. It offers real-time security, automated remediation, and unified SOC workflows, all integrated into the Cortex SecOps platform.

In November 2024, Wiz acquired Dazz in a cash-and-share deal valued at \$450 M, integrating advanced attack surface posture management to enhance its CNAPP capabilities across infrastructure and application layers.

Components Covered:

Platform

Services

Cloud Deployment Modes Covered:

Public Cloud

Private Cloud

Hybrid Cloud

Organization Sizes Covered:

Large Enterprises

Small and Medium-sized Enterprises (SMEs)

Offerings Covered:

Identity and Access Management (IAM)

Runtime Protection

Configuration and Compliance Management

Threat Detection and Response

Vulnerability and Risk Management

Data Security

Network Security

Cloud Infrastructure Entitlement Management

Cloud Security Posture Management

Cloud Workload Protection Platforms

Kubernetes Security Posture Management

Other Offerings

End Users Covered:

IT and Telecom

Healthcare and Life Sciences

Retail and E-commerce

Government and Defense

Manufacturing

Energy and Utilities

Media and Entertainment

Education

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

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 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 alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 End User Analysis
- 3.7 Emerging Markets
- 3.8 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP)

MARKET, BY COMPONENT

- 5.1 Introduction
- 5.2 Platform
- 5.3 Services

6 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP) MARKET, BY CLOUD DEPLOYMENT MODE

- 6.1 Introduction
- 6.2 Public Cloud
- 6.3 Private Cloud
- 6.4 Hybrid Cloud

7 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP) MARKET, BY ORGANIZATION SIZE

- 7.1 Introduction
- 7.2 Large Enterprises
- 7.3 Small and Medium-sized Enterprises (SMEs)

8 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP) MARKET, BY OFFERING

- 8.1 Introduction
- 8.2 Identity and Access Management (IAM)
- 8.3 Runtime Protection
- 8.4 Configuration and Compliance Management
- 8.5 Threat Detection and Response
- 8.6 Vulnerability and Risk Management
- 8.7 Data Security
- 8.8 Network Security
- 8.9 Cloud Infrastructure Entitlement Management
- 8.10 Cloud Security Posture Management
- 8.11 Cloud Workload Protection Platforms
- 8.12 Kubernetes Security Posture Management
- 8.13 Other Offerings

9 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP)

MARKET, BY END USER

- 9.1 Introduction
- 9.2 IT and Telecom
- 9.3 Healthcare and Life Sciences
- 9.4 Retail and E-commerce
- 9.5 Government and Defense
- 9.6 Manufacturing
- 9.7 Energy and Utilities
- 9.8 Media and Entertainment
- 9.9 Education
- 9.10 Other End Users

10 GLOBAL CLOUD-NATIVE APPLICATION PROTECTION PLATFORM (CNAPP) MARKET, BY GEOGRAPHY

- 10.1 Introduction
- 10.2 North America
 - 10.2.1 US
 - 10.2.2 Canada
 - 10.2.3 Mexico
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.2 UK
 - 10.3.3 Italy
 - 10.3.4 France
 - 10.3.5 Spain
 - 10.3.6 Rest of Europe
- 10.4 Asia Pacific
 - 10.4.1 Japan
 - 10.4.2 China
 - 10.4.3 India
 - 10.4.4 Australia
 - 10.4.5 New Zealand
 - 10.4.6 South Korea
 - 10.4.7 Rest of Asia Pacific
- 10.5 South America
 - 10.5.1 Argentina
 - 10.5.2 Brazil

- 10.5.3 Chile
- 10.5.4 Rest of South America
- 10.6 Middle East & Africa
 - 10.6.1 Saudi Arabia
 - 10.6.2 UAE
 - 10.6.3 Qatar
 - 10.6.4 South Africa
 - 10.6.5 Rest of Middle East & Africa

11 KEY DEVELOPMENTS

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

12 COMPANY PROFILING

- 12.1 Palo Alto Networks
- 12.2 Wiz
- 12.3 Check Point
- 12.4 CrowdStrike
- 12.5 Trend Micro
- 12.6 Fortinet
- 12.7 Orca Security
- 12.8 Microsoft
- 12.9 Sysdig
- 12.10 Aqua Security
- 12.11 Zscaler
- 12.12 Lacework
- 12.13 Ermetic
- 12.14 PingSafe
- 12.15 Cyscale
- 12.16 Radware
- 12.17 Qualys
- 12.18 Forcepoint

List Of Tables

LIST OF TABLES

Table 1 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Component (2024-2032) (\$MN)

Table 3 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Platform (2024-2032) (\$MN)

Table 4 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Services (2024-2032) (\$MN)

Table 5 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Cloud Deployment Mode (2024-2032) (\$MN)

Table 6 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Public Cloud (2024-2032) (\$MN)

Table 7 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Private Cloud (2024-2032) (\$MN)

Table 8 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Hybrid Cloud (2024-2032) (\$MN)

Table 9 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Organization Size (2024-2032) (\$MN)

Table 10 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Large Enterprises (2024-2032) (\$MN)

Table 11 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Small and Medium-sized Enterprises (SMEs) (2024-2032) (\$MN)

Table 12 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Offering (2024-2032) (\$MN)

Table 13 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Identity and Access Management (IAM) (2024-2032) (\$MN)

Table 14 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Runtime Protection (2024-2032) (\$MN)

Table 15 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Configuration and Compliance Management (2024-2032) (\$MN)

Table 16 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Threat Detection and Response (2024-2032) (\$MN)

Table 17 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Vulnerability and Risk Management (2024-2032) (\$MN)

Table 18 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook,

By Data Security (2024-2032) (\$MN)

Table 19 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Network Security (2024-2032) (\$MN)

Table 20 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Cloud Infrastructure Entitlement Management (2024-2032) (\$MN)

Table 21 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Cloud Security Posture Management (2024-2032) (\$MN)

Table 22 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Cloud Workload Protection Platforms (2024-2032) (\$MN)

Table 23 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Kubernetes Security Posture Management (2024-2032) (\$MN)

Table 24 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Other Offerings (2024-2032) (\$MN)

Table 25 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By End User (2024-2032) (\$MN)

Table 26 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By IT and Telecom (2024-2032) (\$MN)

Table 27 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Healthcare and Life Sciences (2024-2032) (\$MN)

Table 28 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Retail and E-commerce (2024-2032) (\$MN)

Table 29 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Government and Defense (2024-2032) (\$MN)

Table 30 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Manufacturing (2024-2032) (\$MN)

Table 31 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Energy and Utilities (2024-2032) (\$MN)

Table 32 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Media and Entertainment (2024-2032) (\$MN)

Table 33 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Education (2024-2032) (\$MN)

Table 34 Global Cloud-native Application Protection Platform (CNAPP) Market Outlook, By Other End Users (2024-2032) (\$MN)

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

I would like to order

Product name: Cloud-native Application Protection Platform (CNAPP) Market Forecasts to 2032 – Global Analysis By Component (Platform and Services), Cloud Deployment Mode (Public Cloud, Private Cloud and Hybrid Cloud), Organization Size, Offering, End User and By Geography

Product link: <https://marketpublishers.com/r/CCEFC0740F13EN.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/CCEFC0740F13EN.html>