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Cloud Network Security - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-06-01 | 120 pages | Mordor Intelligence

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Report description:

Cloud Network Security Market Analysis

The Cloud network security market size stood at USD 13.65 billion in 2025 and is forecast to reach USD 49.86 billion by 2030, advancing at a 29.58% CAGR. Strong growth reflects enterprises' switch from perimeter devices to unified, cloud-native platforms that merge secure access service edge (SASE) designs with zero-trust verification. Heightened ransomware losses-projected to lift worldwide cybercrime costs to USD 10.5 trillion in 2025-keep security spending non-discretionary even as FinOps teams curb wider IT budgets. Post-quantum encryption pilots, large language-model adoption, and automated policy orchestration are expanding addressable demand across every vertical. Vendor consolidation accelerates because CISOs want integrated controls that reduce tool sprawl, while AI-driven analytics compensate for the 4.8 million-person talent shortfall. Regionally, North America retains early-mover scale, but Asia-Pacific registers the fastest gains thanks to sovereign-cloud mandates, 5G roll-outs, and new data-residency laws.

Global Cloud Network Security Market Trends and Insights

Rapid adoption of cloud services

Enterprise cloud outlays exceeded USD 825 billion in 2025, and 87% of companies now run workloads on multiple providers. Integration gaps across those environments multiply risk, so buyers prefer platforms that enforce uniform policy and micro-segmentation at scale. Financial institutions typify the urgency: 75% view cloud migration as core to modernisation, yet fewer than 55% consume their committed spending, leaving Asia-Pacific for incremental security roll-outs. SASE roadmaps shorten deployment cycles, while usage-based pricing aligns with FinOps governance. Together these factors heighten demand for elastic controls that track workloads from build to runtime.

Surge in cyber-attacks and ransomware incidents

Groups such as RansomHub, 8Base, and Cl0P weaponise zero-day exploits to evade endpoint detection. Latin America logs 2 569 weekly attacks-40% above the global norm-pushing healthcare and government networks beyond legacy defences. Active Directory remains a favoured foothold even after Microsoft's hardening updates, forcing organisations to adopt AI-enriched detection that predicts lateral movement before privilege escalation. Continuous threat-intelligence feeds and behavioural analytics therefore shift from optional to baseline capabilities inside every modern bundle of the Cloud network security market.

Data-privacy and residency concerns

Nineteen percent of organisations in Asia-Pacific plan higher sovereign-cloud spending, and 64% of Australian firms evaluate residency strategies, yet sovereign architectures raise cost per protected workload. Europe mirrors the pattern as Schrems II limits pressure cross-border data flows, compelling region-locked deployments that split operational teams. The outcome is fragmented visibility plus duplicate tooling that drags on ROI and slows overall Cloud network security market adoption.

Other drivers and restraints analyzed in the detailed report include:

Stringent data-protection regulations / BYOD / CYOD and remote-work proliferation / Multi-cloud complexity and integration overhead /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Identity and Access Management generated the largest 28.3% slice of the Cloud network security market in 2024 as identity became the de-facto perimeter. Ongoing MFA roll-outs and conditional-access analytics keep IAM a core budget item even for cost-sensitive buyers. IAM suites now extend beyond human users into machine-to-machine secrets management, certificate rotation, and just-in-time entitlement workflows that reduce attack surfaces.

CIEM, rising at a 34.5% CAGR, responds to rampant privilege drift inside multi-cloud estates. Each new SaaS integration multiplies entitlement objects, so security teams seek graph-based engines that baseline least-privilege across tenants. CIEM's policy simulation and remediation recommendations integrate into CI/CD pipelines, improving DevSecOps velocity. Vendors that combine IAM and CIEM dashboards gain upsell runs inside renewals, reinforcing platform lock-in within the Cloud network security market.

Network Security held 32.4% of the Cloud network security market size in 2024 because firewalls, gateways, and segmentation policies remain non-negotiable for compliance audits. However, pure virtual-appliance models now give way to policy-as-code and service-mesh-based enforcement that insert identity headers at the packet level.

CWPP expands 31.8% annually as container and serverless adoption spur demand for runtime kernel telemetry, eBPF-based drift detection, and snapshot isolation. Zero-trust overlay networking merges with CWPP so that micro-services call only authorized APIs. Distributors report higher attach rates when CWPP modules come bundled with intrusion-prevention and vulnerability-scanning features, underpinning cross-sell logic across the Cloud network security market.

Cloud Network Security Market Report is Segmented by Application (Identity and Access Management (IAM), Data Loss Prevention (DLP), and More), Security Type (Network Security, Application Security, and More), End-User Enterprise Size (Large Enterprises and Small and Medium Enterprises (SMEs)), End-User (BFSI, Manufacturing, and More) and by Geography. The Market Forecasts are Provided in Terms of Value (USD).

Geography Analysis

North America continued to lead with a 34.7% revenue share in 2024, powered by USD 13 billion of federal cybersecurity outlays and White House-mandated zero-trust architecture across agencies. Eighty percent of US government cloud buyers already run hybrid estates, while 71% multi-home workloads across two or more public clouds, intensifying demand for aggregated telemetry pipelines. Private-sector enterprises mirror the pattern, channeling compliance dollars into FedRAMP-aligned SaaS that shrink audit cycles. The Cloud network security market therefore benefits from early-mover reference architectures and a mature channel ecosystem.

Asia-Pacific records the quickest 37.2% CAGR through 2030 on the back of sovereign-cloud frameworks, 5G densification, and hyper-scale data-center investments. China alone targets a doubling of cloud spend by 2025, backing 448 operational data centers and USD 9.2 billion in annual infrastructure outlays. At the same time, 31% of global cyber-attacks land in the region, accelerating adoption of in-country security nodes that satisfy residency clauses. Australian organizations trial confidential-computing enclaves, while India promotes Digital Personal Data Protection Act compliance kits bundled into the Cloud network security market.

Europe sustains momentum because the NIS2 regime extends obligations to an extra 150 000 firms, and GDPR penalties underscore that data guardianship is perpetual. Supply-chain risk evaluation now encompasses upstream SaaS vendors, prompting wider uptake of automatic software-bill-of-materials (SBOM) generators within security suites. Meanwhile, the Middle East and Africa project network-security spend topping USD 500 million in 2025, with 12.5% annual growth as governments introduce AI oversight laws. Latin America, facing 2 569 weekly ransomware strikes and USD 4.45 million average breach costs, imports managed SOC Asia-Pacific and pushes encrypted traffic inspection to the cloud edge, advancing readiness across the Cloud network security market.

List of Companies Covered in this Report:

Amazon Web Services / Microsoft Corporation / Cisco Systems Inc. / Palo Alto Networks Inc. / Fortinet Inc. / Trend Micro Inc. / IBM Corporation / Darktrace / McAfee LLC / Sangfor Technologies Inc. / Check Point Software Technologies Ltd. / Zscaler Inc. / Okta Inc. / CrowdStrike Holdings Inc. / Rapid7 Inc. / Lacework / Qualys Inc. / Akamai Technologies Inc. / Proofpoint Inc. / Netskope Inc. /

Additional Benefits:

The market estimate (ME) sheet in Excel format /
3 months of analyst support /

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