

## **Blockchain-as-a-Service - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-07-01 | 150 pages | Mordor Intelligence

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### **Report description:**

Blockchain-as-a-Service Market Analysis

The Blockchain-as-a-Service market size reached USD 1.76 billion in 2025 and is projected to climb to USD 3.95 billion by 2030, registering a 17.55% CAGR over the period. The Blockchain-as-a-Service market is gaining momentum as enterprises move from small-scale proofs of concept toward production deployments, spurred by clearer regulations and cloud providers that embed distributed-ledger tools within broader infrastructure bundles. Central-bank digital-currency pilots, especially the Bank for International Settlements' mBridge project, are generating downstream demand for enterprise blockchain platforms. Cloud hyperscalers' bundled offerings reduce procurement friction, while regulatory frameworks such as the European Union's Markets in Crypto-Assets regulation legitimize enterprise spending. North American sandbox programs and Asia Pacific's state-funded tokenization initiatives further accelerate uptake. At the same time, ongoing talent shortages and protocol-level interoperability gaps remain watchpoints that could temper short-term growth.

Global Blockchain-as-a-Service Market Trends and Insights

Rising demand for tamper-proof data integrity across regulated industries

Health, finance, and pharmaceuticals increasingly adopt blockchain to meet stringent audit-trail and provenance mandates. Change Healthcare's Hyperledger Fabric deployment already processes about 50 million daily transactions while preserving immutable logs. European pharmaceutical rules that track medicine provenance drive similar uptake. Financial institutions cut

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compliance workloads by recording regulatory data on chains that regulators deem trustworthy under MiCA. These sector mandates position the Blockchain-as-a-Service market as a compliance enabler, particularly as auditors begin to prefer immutable records over traditional databases. Demand, therefore, scales with every new data-integrity policy in advanced economies.

#### Cloud hyperscalers bundling BaaS into broader X-as-a-Service stacks

Microsoft integrates blockchain, AI, and IoT on Azure, letting clients activate ledgers through familiar portals and existing contracts. Amazon Web Services and Google Cloud follow, while Kaleido's Azure tie-up offers more than 500 pre-built APIs that snap into enterprise tools. Bundling cuts procurement cycles, especially for mid-market firms without deep cryptography skills, and keeps operating costs variable instead of capital-intensive. This packaging strategy keeps the Blockchain-as-a-Service market visible to every customer managing cloud workloads, making adoption an incremental, rather than transformative, decision.

#### Fragmented standards and protocol interoperability gaps

IEEE and ISO continue to draft frameworks, yet no universal plug-and-play standard exists, forcing enterprises to custom-build cross-chain connectors [iso.org](http://iso.org). Sensors-journal research shows such architectures add complexity and new attack surfaces. Multinationals therefore hesitate to scale pilots across borders, which slows cumulative contract flow into the Blockchain-as-a-Service market. Until dominant interoperability protocols mature, vendors must allocate road-map resources to proprietary bridges that elevate costs and lengthen implementation timelines.

Other drivers and restraints analyzed in the detailed report include:

Gradual regulatory clarity on tokenization and stablecoins / Central-bank sandbox programs sourcing BaaS back-ends / Talent shortage in distributed-ledger engineering /

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

#### Segment Analysis

Platform-as-a-Service contributed 38.0% revenue in 2024, underpinned by integrated development environments and configurability that attract large corporations. Managed Services, however, grows fastest at 19.98% CAGR as organizations seek turnkey operations, security patching and 24/7 uptime without running nodes themselves. Large multinational treasury teams cite tangible savings; Siemens cut bank accounts by half and saved USD 20 million each year after migrating to managed ledgers for cross-border liquidity. Consulting and implementation work remains essential to bridge legacy ERP systems and to meet sector-specific regulations in finance and healthcare.

Enterprises also adopt Infrastructure-as-a-Service when they need granular control over consensus settings yet still prefer cloud billing. Meanwhile, software-as-a-service toolkits expose APIs that abstract smart-contract compilation, lowering entry barriers for small developers. Rising compliance workloads make immutable audit trails a default requirement, so even risk-averse boards now approve subscriptions. This persistent demand anchors the Blockchain-as-a-Service market across both greenfield and brownfield deployments.

Public Cloud captured 63.0% of the Blockchain-as-a-Service market share in 2024 because hyperscalers provide elasticity and high service-level agreements. Still, Hybrid Cloud is on track for a 22.10% CAGR as financial institutions and pharmaceutical firms hold sensitive data on-premises to satisfy residency laws under MiCA and similar policies. Hybrid topologies keep production chains behind firewalls while using public cloud for development sandboxes, which speeds iteration.

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Private Cloud persists where data sovereignty or classified workloads prohibit any external infrastructure. The European Union's new operational-resilience rules further motivate contingency planning, making hybrid designs attractive. As a result, the Blockchain-as-a-Service market sees consistent architectural diversity: enterprises swap workloads between environments in response to cost audits or new compliance directives, ensuring long-run demand for orchestration tools.

The Blockchain As A Service Market Report is Segmented by Component (Platform-As-A-Service (PaaS), Infrastructure-As-A-Service (IaaS), and More), Deployment Model (Public Cloud, Private Cloud, and More), Organization Size (Large Enterprises and Small and Medium Enterprises), Application (Smart Contracts, Payments and Settlement, and More), End-User Vertical (IT and Telecom, Manufacturing, and More), and Geography.

### Geography Analysis

North America continued to dominate in 2024 with a 41.0% Blockchain-as-a-Service market share, buoyed by deep venture funding such as Digital Asset's USD 135 million round led by Goldman Sachs and Citadel. US-based hyperscalers integrate ledger tools into mainstream cloud menus, allowing quick uptakes among existing clients. Regulatory sandboxes in several states accelerate production pilots, though nationwide policy fragmentation still injects compliance uncertainty that slows multi-state rollouts.

Asia Pacific records the steepest growth at an 18.69% CAGR. Government-backed CBDC and tokenization projects in Singapore and Hong Kong create visible proof points, drawing banks and fintechs onto commercial platforms. Manufacturing hubs across Japan, South Korea and China deploy blockchains for supply-chain and sustainability reporting use cases, leveraging intra-Asia trade corridors. Regional talent pools expand through university blockchain labs, helping offset developer shortages seen elsewhere.

Europe benefits from MiCA's uniform rules that became fully effective in December 2024. Automotive, luxury and food companies implement provenance solutions to satisfy regulators and consumers, exemplified by Renault's XCEED supply-chain system. The European Central Bank's advocacy for digital-assets market integration encourages banks to modernize back offices with distributed-ledger infrastructure, sustaining near-term contract flow. Emerging markets in the Middle East and Africa experiment with blockchain for financial inclusion and carbon credit registries, yet overall adoption remains nascent due to limited technical capacity.

### List of Companies Covered in this Report:

IBM Corporation / Microsoft Corporation / Amazon Web Services (AWS) / Oracle Corporation / SAP SE / Hewlett-Packard Enterprise / Huawei Technologies Co. Ltd. / Alibaba Cloud / Tencent Cloud / R3 / ConsenSys / Blockstream Inc. / Stratis Group Ltd. / PayStand Inc. / Kaleido / Guardtime / Dragonchain Inc. / Bitfury Group / LeewayHertz / Wipro Limited / Accenture plc / Infosys Limited / NTT DATA / LG CNS / Tech Mahindra /

### Additional Benefits:

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

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