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Decentralized Identifiers (DIDs) Technology Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Decentralized Identifiers (DIDs) Technology Market Overview
The Decentralized Identifiers (DIDs) Technology Market is poised for significant growth from 2025 to 2030, driven by increasing demand for secure and privacy-preserving digital identity solutions. DIDs are a new type of identifier that enables verifiable, self-sovereign digital identities, eliminating the need for centralized authorities. This technology is gaining traction across various industries, including government, telecom, retail, and e-commerce, due to its ability to enhance security, reduce fraud, and improve user privacy.

Market Size and Growth
The global Decentralized Identifiers (DIDs) Technology Market was valued at approximately $1.2 billion in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 25%-30% from 2025 to 2030. By 2030, the market is expected to reach $4.5 billion. This growth is fueled by the increasing adoption of blockchain technology, rising concerns over data privacy, and the need for secure identity verification systems.

Market Share & Trends Analysis
By Product Type

Public DIDs: Public DIDs are expected to dominate the market, accounting for 60%-65% of the total market share by 2030. These identifiers are widely used in open networks and are preferred for their transparency and interoperability.

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Private DIDs: Private DIDs are anticipated to grow at a CAGR of 20%-25% during the forecast period. These identifiers are used in closed or permissioned networks, offering enhanced privacy and control over personal data.

By Key Players
The Decentralized Identifiers (DIDs) Technology Market is highly competitive, with key players such as:

Microsoft: Microsoft is a leading player in the DIDs market, offering Azure Active Directory and other identity solutions. The company is expected to hold a market share of 15%-20% by 2030.
Accenture: Accenture is focusing on integrating DIDs into its digital identity solutions, with a projected market share of 10%-12%.
Wipro: Wipro is investing in blockchain-based identity solutions, aiming for a market share of 8%-10%.
Avast (SecureKey Technologies): Avast is leveraging its expertise in cybersecurity to develop secure DIDs solutions, targeting a market share of 5%-7%.
R3: R3 is a key player in the blockchain space, with a focus on DIDs for financial services, aiming for a market share of 6%-8%.
Ping Identity: Ping Identity is expected to capture 5%-6% of the market with its identity and access management solutions.
Finema: Finema is a rising player in the DIDs market, focusing on blockchain-based identity solutions, with a projected market share of 3%-4%.
Galxe: Galxe is emerging as a key player in the DIDs space, targeting a market share of 2%-3%.
Polygon ID: Polygon ID is gaining traction in the DIDs market, with a projected market share of 2%-3%.
Worldcoin: Worldcoin is focusing on decentralized identity solutions, aiming for a market share of 1%-2%.

By Process
The DIDs market is segmented by process into:

Identity Verification: This segment is expected to grow at a CAGR of 22%-25%, driven by the need for secure and efficient identity verification processes.
Authentication: The authentication segment is projected to grow at a CAGR of 20%-23%, as organizations increasingly adopt multi-factor authentication solutions.

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Data Sharing: Data sharing using DIDs is anticipated to grow at a CAGR of 18%-20%, as businesses seek to enhance data privacy and security.

By Application
The DIDs market is segmented by application into:

Government: The government sector is expected to account for 30%-35% of the market share by 2030, driven by the adoption of DIDs for secure citizen identification and e-governance.
Telecom and IT: The telecom and IT sector is projected to grow at a CAGR of 25%-28%, as companies adopt DIDs for secure customer authentication and data protection.
Retail and E-Commerce: The retail and e-commerce sector is anticipated to grow at a CAGR of 20%-22%, driven by the need for secure online transactions and customer identity verification.
Other: Other applications, including healthcare and education, are expected to grow at a CAGR of 15%-18%.

By End-Use
The DIDs market is segmented by end-use into:

Enterprises: Enterprises are expected to account for 50%-55% of the market share by 2030, driven by the adoption of DIDs for secure employee authentication and data access.
Individuals: The individual segment is projected to grow at a CAGR of 18%-20%, as consumers increasingly seek control over their digital identities.

By Region
The DIDs market is segmented by region into:

North America: North America is expected to dominate the market, accounting for 40%-45% of the global market share by 2030, driven by the presence of key players and early adoption of DIDs technology.
Europe: Europe is projected to grow at a CAGR of 20%-22%, driven by stringent data privacy regulations and the adoption of DIDs in government and healthcare sectors.
Asia-Pacific: The Asia-Pacific region is anticipated to grow at a CAGR of 25%-28%,

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driven by rapid digitalization and the adoption of DIDs in emerging economies.
Latin America: Latin America is expected to grow at a CAGR of 15%-18%, driven by increasing awareness of digital identity solutions.
Middle East & Africa: The Middle East & Africa region is projected to grow at a CAGR of 12%-15%, driven by the adoption of DIDs in government and financial services.

Market News on Policy and Companies
Policy Developments: Governments worldwide are increasingly recognizing the importance of decentralized identity solutions. In 2024, the European Union introduced the eIDAS 2.0 regulation, which mandates the use of DIDs for secure digital identities. Similarly, the U.S. government is exploring the use of DIDs for federal identity verification, with pilot projects expected to launch in 2025.

Company News: Key players in the DIDs market are actively investing in research and development to enhance their offerings. In 2024, Microsoft announced a partnership with the Decentralized Identity Foundation (DIF) to develop interoperable DIDs solutions. Accenture launched a new blockchain-based identity platform, while Wipro acquired a startup specializing in decentralized identity solutions to strengthen its market position.

Segment Forecasts, 2025 - 2030
The Decentralized Identifiers (DIDs) Technology Market is expected to witness robust growth across all segments from 2025 to 2030. The market will be driven by increasing adoption in government, telecom, and retail sectors, as well as the growing demand for secure and privacy-preserving digital identity solutions. Key trends such as the integration of DIDs with blockchain technology, the rise of self-sovereign identity, and the development of interoperable DIDs solutions will shape the market landscape in the coming years.

In conclusion, the Decentralized Identifiers (DIDs) Technology Market is set for exponential growth, with significant opportunities for key players and new entrants. As the world moves towards a more decentralized and secure digital identity ecosystem, DIDs will play a crucial role in shaping the future of identity verification and authentication.

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