

Self-Sovereign Identity (SSI) Market Forecasts to 2032 – Global Analysis By Offering (Solution and Service), Network Type (Permissioned Networks, Permissionless Networks and Federated / Consortium Identity Networks), Deployment Type, Organization Size, Technology, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Self-Sovereign Identity (SSI) Market is accounted for \$2.99 billion in 2025 and is expected to reach \$94.83 billion by 2032 growing at a CAGR of 63.8% during the forecast period. Self-Sovereign Identity (SSI) is a digital identity model that gives people the ability to manage, own, and control their personal information independently of centralized authorities. In contrast to traditional identity systems, which store and validate identity information through third parties like governments or businesses, SSI allows users to directly create and share verifiable credentials. This method lowers the risk of identity theft and minimizes data exposure, improving privacy, security, and user autonomy. As a promising solution for digital identity management in a world growing more interconnected by the day, SSI frequently uses blockchain or decentralized ledger technologies to offer a transparent, impenetrable method of identity authentication.

According to the World Economic Forum (WEF), Self-Sovereign Identity (SSI) is positioned as a key innovation for enhancing digital trust and privacy, with the WEF highlighting that over 1 billion people worldwide currently lack a formal digital identity, which hampers access to essential services.

Market Dynamics:

Driver:**Growing fraud and identity theft**

Fraud and identity theft have increased significantly in recent years, costing consumers and companies billions of dollars every year. Conventional identity verification techniques frequently rely on centralized databases, which hackers find appealing. By enabling users to authenticate themselves without disclosing needless personal information, decentralizing identity management, and storing only cryptographically verifiable credentials on distributed ledgers, SSI reduces these risks. Additionally, this makes online interactions safer by drastically reducing the likelihood of identity theft and data breaches.

Restraint:**Insufficient interoperability and standardization**

The lack of widely recognized standards and protocols is one of the main obstacles preventing SSI from being widely used. Decentralized identity systems are developed by various organizations and technology providers, and these versions are frequently incompatible with one another. It is challenging for SSI solutions to work together seamlessly across different platforms, services, and jurisdictions because of this fragmentation. Furthermore, users and businesses encounter difficulties integrating SSI into current infrastructure in the absence of standardized frameworks, which hinders adoption and restricts the systems' global scalability.

Opportunity:**Growth in the credential market and digital identity wallets**

Digital identity wallets—applications that store and manage verifiable credentials—are a key component of SSI's architecture. For these wallets, which can act as entry points for users to safely manage and share their identities, the growing popularity of smart phones and mobile technology offers substantial growth potential. As more organizations realize the benefits of decentralized verification, the credential market—where organizations, employers, and service providers issue digital certificates or licenses—can also grow quickly. Moreover, this expansion stimulates innovation in credential issuance and wallet design while also generating new revenue streams.

Threat:

Challenges in key management and cyber security risks

Although decentralizing identity data through SSI improves security, it also presents new difficulties, particularly with regard to managing cryptographic keys. Users are in charge of protecting their private keys, which serve as the entry point to their online persona. These keys may be lost, stolen, or compromised, which could lead to identity theft or permanent loss of access. Cybercriminals are constantly developing more complex attack techniques, such as malware and phishing, to target key holders. Additionally, the trust and adoption of SSI systems may be jeopardized in the absence of strong, intuitive key recovery and protection mechanisms.

Covid-19 Impact:

The COVID-19 pandemic significantly accelerated the adoption of Self-Sovereign Identity (SSI) solutions as lockdowns and social distancing measures heightened the demand for secure, remote digital identity verification. In order to facilitate access to vital services like telehealth, remote banking, and digital vaccinations, organizations in the healthcare, financial, and governmental sectors looked for contactless identity systems that preserve privacy because face-to-face interactions are becoming less common. Furthermore, the pandemic highlighted the necessity of digital credentials that users could safely control and share, such as test results and vaccine passports. By increasing awareness and investment in SSI technologies, this spike in demand helped establish them as essential instruments for the ongoing digital transformation and post-pandemic recovery.

The cloud-based segment is expected to be the largest during the forecast period

The cloud-based segment is expected to account for the largest market share during the forecast period. This is due to the fact that cloud-based SSI solutions are more easily deployable, flexible, and scalable than on-premises systems. Cloud-based models are preferred by organizations because they enable faster integration with a variety of digital services, lower upfront infrastructure costs, and support remote access. Moreover, cloud platforms frequently offer greater assistance with interoperability and ongoing updates, both of which are essential given how quickly SSI technologies are developing. The market is thus dominated by cloud-based SSI deployments, which facilitate broad adoption in a variety of sectors and regions.

The zero-knowledge proofs (ZKPs) segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the zero-knowledge proofs (ZKPs) segment is predicted to witness the highest growth rate. Zero-knowledge proofs allow one party to demonstrate to another that a claim is accurate without disclosing any further details beyond the veracity of the claim. Because it improves security and privacy by enabling users to authenticate their identity or credentials without disclosing sensitive information, this technology is becoming increasingly popular in SSI solutions. Additionally, ZKPs offer a potent way to accomplish reliable and privacy-preserving identity verification, which is fueling the SSI market's quick adoption and expansion in light of growing global concerns about data breaches and privacy laws.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share. Advanced technology infrastructure, early blockchain and decentralized identity solution adoption, and significant private and public sector investments in the US and Canada are the main drivers of this dominance. Furthermore, the market has grown as a result of strict data privacy laws like those influenced by the GDPR and rising demand for safe digital identity verification in the government, healthcare, and banking industries. North America's leadership in the global SSI market is cemented by the region's thriving ecosystem of technology providers, startups, and research institutions, which further accelerates innovation and deployment of SSI solutions.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. This quick expansion is being driven by more digital transformation projects, more people using the internet, and more governments in nations like China, Japan, Australia, and India supporting safe and private identity management systems. The growing fintech and e-commerce industries in the area are fueling the need for trustworthy and user-friendly identity verification systems. Moreover, APAC is now the world's fastest-growing market for SSI technologies due to its rapid adoption, which is also influenced by the pressing need to combat identity fraud and improve data security in a digitally changing environment.

Key players in the market

Some of the key players in Self-Sovereign Identity (SSI) Market include IBM Corporation, Microsoft Corporation, Cognizant, SecureKey Technologies, Wipro, Accenture, Civic Technologies, Mastercard Inc, Imageware, ConsenSys, Evernym, IDEX Biometrics, NEC Corporation, Vodafone and Infosys.

Key Developments:

In July 2025, Accenture has acquired Aristal, a Malaysia-based consulting and digital transformation firm with deep expertise in financial services—marking Accenture’s first banking-focused acquisition in the country. The acquisition strengthens Accenture’s talent and capabilities to help banks in Malaysia upgrade their core systems, improve operations, and manage large-scale changes like mergers and system transitions.

In June 2025, Wipro Limited has signed a multi-year agreement with Entrust to boost the global security leader’s technology operations and growth. As part of the collaboration, Wipro will aid in product development, infrastructure, and application upgrades, along with leveraging generative AI to enhance user experiences and response times.

In April 2025, IBM and Tokyo Electron (TEL) announced an extension of their agreement for the joint research and development of advanced semiconductor technologies. The new 5-year agreement will focus on the continued advancement of technology for next-generation semiconductor nodes and architectures to power the age of generative AI.

Offerings Covered:

Solution

Service

Network Types Covered:

Permissioned Networks

Permissionless Networks

Federated / Consortium Identity Networks

Deployment Types Covered:

On-Premises

Cloud-Based

Hybrid

Edge Computing

Organization Sizes Covered:

Large Enterprise

Small and Medium Size Enterprise

Technologies Covered:

Blockchain / Distributed Ledger Technology (DLT)

Decentralized Identity Protocols

Public Key Infrastructure (PKI)

Zero-Knowledge Proofs (ZKPs)

Biometric Authentication Technologies

Applications Covered:

Digital Identity Verification & Authentication

Identity Lifecycle Management

Access Control & Authorization

Consent-Based Data Sharing

KYC (Know Your Customer) / AML (Anti-Money Laundering) Compliance

Credential Issuance & Revocation

End Users Covered:

Banking, Financial Services & Insurance (BFSI)

Government & e-Governance

Healthcare & Life Sciences

Education & Academia

Travel & Hospitality

Real Estate & Construction

Media & Entertainment

IT & Telecommunications

Retail & E-Commerce

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 Technology Analysis
- 3.7 Application Analysis
- 3.8 End User Analysis
- 3.9 Emerging Markets
- 3.10 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 SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY OFFERING

- 5.1 Introduction
- 5.2 Solution
 - 5.2.1 Identity Wallets
 - 5.2.2 Verifiable Credential Platforms
 - 5.2.3 Decentralized Identifiers (DIDs)
 - 5.2.4 Trust Registries & Governance Frameworks
- 5.3 Service
 - 5.3.1 Consulting
 - 5.3.2 Integration
 - 5.3.3 Support & Maintenance
 - 5.3.4 Governance & Compliance Advisory

6 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY NETWORK TYPE

- 6.1 Introduction
- 6.2 Permissioned Networks
- 6.3 Permissionless Networks
- 6.4 Federated / Consortium Identity Networks

7 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY DEPLOYMENT TYPE

- 7.1 Introduction
- 7.2 On-Premises
- 7.3 Cloud-Based
- 7.4 Hybrid
- 7.5 Edge Computing

8 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY ORGANIZATION SIZE

- 8.1 Introduction
- 8.2 Large Enterprise
- 8.3 Small and Medium Size Enterprise

9 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY TECHNOLOGY

- 9.1 Introduction

- 9.2 Blockchain / Distributed Ledger Technology (DLT)
- 9.3 Decentralized Identity Protocols
- 9.4 Public Key Infrastructure (PKI)
- 9.5 Zero-Knowledge Proofs (ZKPs)
- 9.6 Biometric Authentication Technologies

10 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY APPLICATION

- 10.1 Introduction
- 10.2 Digital Identity Verification & Authentication
- 10.3 Identity Lifecycle Management
- 10.4 Access Control & Authorization
- 10.5 Consent-Based Data Sharing
- 10.6 KYC (Know Your Customer) / AML (Anti-Money Laundering) Compliance
- 10.7 Credential Issuance & Revocation

11 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY END USER

- 11.1 Introduction
- 11.2 Banking, Financial Services & Insurance (BFSI)
- 11.3 Government & e-Governance
- 11.4 Healthcare & Life Sciences
- 11.5 Education & Academia
- 11.6 Travel & Hospitality
- 11.7 Real Estate & Construction
- 11.8 Media & Entertainment
- 11.9 IT & Telecommunications
- 11.10 Retail & E-Commerce
- 11.11 Other End Users

12 GLOBAL SELF-SOVEREIGN IDENTITY (SSI) MARKET, BY GEOGRAPHY

- 12.1 Introduction
- 12.2 North America
 - 12.2.1 US
 - 12.2.2 Canada
 - 12.2.3 Mexico
- 12.3 Europe
 - 12.3.1 Germany

- 12.3.2 UK
- 12.3.3 Italy
- 12.3.4 France
- 12.3.5 Spain
- 12.3.6 Rest of Europe
- 12.4 Asia Pacific
 - 12.4.1 Japan
 - 12.4.2 China
 - 12.4.3 India
 - 12.4.4 Australia
 - 12.4.5 New Zealand
 - 12.4.6 South Korea
 - 12.4.7 Rest of Asia Pacific
- 12.5 South America
 - 12.5.1 Argentina
 - 12.5.2 Brazil
 - 12.5.3 Chile
 - 12.5.4 Rest of South America
- 12.6 Middle East & Africa
 - 12.6.1 Saudi Arabia
 - 12.6.2 UAE
 - 12.6.3 Qatar
 - 12.6.4 South Africa
 - 12.6.5 Rest of Middle East & Africa

13 KEY DEVELOPMENTS

- 13.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 13.2 Acquisitions & Mergers
- 13.3 New Product Launch
- 13.4 Expansions
- 13.5 Other Key Strategies

14 COMPANY PROFILING

- 14.1 IBM Corporation
- 14.2 Microsoft Corporation
- 14.3 Cognizant
- 14.4 SecureKey Technologies

- 14.5 Wipro
- 14.6 Accenture
- 14.7 Civic Technologies
- 14.8 Mastercard Inc
- 14.9 Imageware
- 14.10 ConsenSys
- 14.11 Evernym
- 14.12 IDEX Biometrics
- 14.13 NEC Corporation
- 14.14 Vodafone
- 14.15 Infosys

List Of Tables

LIST OF TABLES

Table 1 Global Self-Sovereign Identity (SSI) Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Self-Sovereign Identity (SSI) Market Outlook, By Offering (2024-2032) (\$MN)

Table 3 Global Self-Sovereign Identity (SSI) Market Outlook, By Solution (2024-2032) (\$MN)

Table 4 Global Self-Sovereign Identity (SSI) Market Outlook, By Identity Wallets (2024-2032) (\$MN)

Table 5 Global Self-Sovereign Identity (SSI) Market Outlook, By Verifiable Credential Platforms (2024-2032) (\$MN)

Table 6 Global Self-Sovereign Identity (SSI) Market Outlook, By Decentralized Identifiers (DIDs) (2024-2032) (\$MN)

Table 7 Global Self-Sovereign Identity (SSI) Market Outlook, By Trust Registries & Governance Frameworks (2024-2032) (\$MN)

Table 8 Global Self-Sovereign Identity (SSI) Market Outlook, By Service (2024-2032) (\$MN)

Table 9 Global Self-Sovereign Identity (SSI) Market Outlook, By Consulting (2024-2032) (\$MN)

Table 10 Global Self-Sovereign Identity (SSI) Market Outlook, By Integration (2024-2032) (\$MN)

Table 11 Global Self-Sovereign Identity (SSI) Market Outlook, By Support & Maintenance (2024-2032) (\$MN)

Table 12 Global Self-Sovereign Identity (SSI) Market Outlook, By Governance & Compliance Advisory (2024-2032) (\$MN)

Table 13 Global Self-Sovereign Identity (SSI) Market Outlook, By Network Type (2024-2032) (\$MN)

Table 14 Global Self-Sovereign Identity (SSI) Market Outlook, By Permissioned Networks (2024-2032) (\$MN)

Table 15 Global Self-Sovereign Identity (SSI) Market Outlook, By Permissionless Networks (2024-2032) (\$MN)

Table 16 Global Self-Sovereign Identity (SSI) Market Outlook, By Federated / Consortium Identity Networks (2024-2032) (\$MN)

Table 17 Global Self-Sovereign Identity (SSI) Market Outlook, By Deployment Type (2024-2032) (\$MN)

Table 18 Global Self-Sovereign Identity (SSI) Market Outlook, By On-Premises

(2024-2032) (\$MN)

Table 19 Global Self-Sovereign Identity (SSI) Market Outlook, By Cloud-Based (2024-2032) (\$MN)

Table 20 Global Self-Sovereign Identity (SSI) Market Outlook, By Hybrid (2024-2032) (\$MN)

Table 21 Global Self-Sovereign Identity (SSI) Market Outlook, By Edge Computing (2024-2032) (\$MN)

Table 22 Global Self-Sovereign Identity (SSI) Market Outlook, By Organization Size (2024-2032) (\$MN)

Table 23 Global Self-Sovereign Identity (SSI) Market Outlook, By Large Enterprise (2024-2032) (\$MN)

Table 24 Global Self-Sovereign Identity (SSI) Market Outlook, By Small and Medium Size Enterprise (2024-2032) (\$MN)

Table 25 Global Self-Sovereign Identity (SSI) Market Outlook, By Technology (2024-2032) (\$MN)

Table 26 Global Self-Sovereign Identity (SSI) Market Outlook, By Blockchain / Distributed Ledger Technology (DLT) (2024-2032) (\$MN)

Table 27 Global Self-Sovereign Identity (SSI) Market Outlook, By Decentralized Identity Protocols (2024-2032) (\$MN)

Table 28 Global Self-Sovereign Identity (SSI) Market Outlook, By Public Key Infrastructure (PKI) (2024-2032) (\$MN)

Table 29 Global Self-Sovereign Identity (SSI) Market Outlook, By Zero-Knowledge Proofs (ZKPs) (2024-2032) (\$MN)

Table 30 Global Self-Sovereign Identity (SSI) Market Outlook, By Biometric Authentication Technologies (2024-2032) (\$MN)

Table 31 Global Self-Sovereign Identity (SSI) Market Outlook, By Application (2024-2032) (\$MN)

Table 32 Global Self-Sovereign Identity (SSI) Market Outlook, By Digital Identity Verification & Authentication (2024-2032) (\$MN)

Table 33 Global Self-Sovereign Identity (SSI) Market Outlook, By Identity Lifecycle Management (2024-2032) (\$MN)

Table 34 Global Self-Sovereign Identity (SSI) Market Outlook, By Access Control & Authorization (2024-2032) (\$MN)

Table 35 Global Self-Sovereign Identity (SSI) Market Outlook, By Consent-Based Data Sharing (2024-2032) (\$MN)

Table 36 Global Self-Sovereign Identity (SSI) Market Outlook, By KYC (Know Your Customer) / AML (Anti-Money Laundering) Compliance (2024-2032) (\$MN)

Table 37 Global Self-Sovereign Identity (SSI) Market Outlook, By Credential Issuance & Revocation (2024-2032) (\$MN)

Table 38 Global Self-Sovereign Identity (SSI) Market Outlook, By End User (2024-2032) (\$MN)

Table 39 Global Self-Sovereign Identity (SSI) Market Outlook, By Banking, Financial Services & Insurance (BFSI) (2024-2032) (\$MN)

Table 40 Global Self-Sovereign Identity (SSI) Market Outlook, By Government & e-Governance (2024-2032) (\$MN)

Table 41 Global Self-Sovereign Identity (SSI) Market Outlook, By Healthcare & Life Sciences (2024-2032) (\$MN)

Table 42 Global Self-Sovereign Identity (SSI) Market Outlook, By Education & Academia (2024-2032) (\$MN)

Table 43 Global Self-Sovereign Identity (SSI) Market Outlook, By Travel & Hospitality (2024-2032) (\$MN)

Table 44 Global Self-Sovereign Identity (SSI) Market Outlook, By Real Estate & Construction (2024-2032) (\$MN)

Table 45 Global Self-Sovereign Identity (SSI) Market Outlook, By Media & Entertainment (2024-2032) (\$MN)

Table 46 Global Self-Sovereign Identity (SSI) Market Outlook, By IT & Telecommunications (2024-2032) (\$MN)

Table 47 Global Self-Sovereign Identity (SSI) Market Outlook, By Retail & E-Commerce (2024-2032) (\$MN)

Table 48 Global Self-Sovereign Identity (SSI) 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.

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