

# Refugee Self-Sovereign ID Market Forecasts to 2032 – Global Analysis By Offering (Solutions and Services), Identity Type, Network, Deployment, Application, End User and By Geography

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## Abstracts

According to Statistics MRC, the Global Refugee Self-Sovereign ID Market is accounted for \$44.35 million in 2025 and is expected to reach \$223.61 million by 2032 growing at a CAGR of 26.0% during the forecast period. A Refugee Self-Sovereign ID is a decentralized digital identity framework that allows refugees to independently control, manage, and share their personal information without depending on centralized institutions. Using blockchain or distributed ledger technology, it ensures secure, private, and verifiable credentials. This identity system helps refugees access vital services such as healthcare, education, and financial aid while retaining ownership of their data across borders, minimizing reliance on conventional identification methods.

According to recent statistics, the number of internet users globally reached approximately 4.9 billion, illustrating the vast potential market for self-sovereign identity solutions.

Market Dynamics:

Driver:

Increasing refugee population worldwide

The global rise in displaced populations is intensifying demand for secure and portable identity solutions. As migration crises escalate due to conflict, climate change, and political instability, traditional identification systems often fail to meet the needs of

refugees. Self-sovereign ID (SSI) platforms offer a decentralized alternative, enabling individuals to retain control over their personal data across borders. Humanitarian organizations and governments are increasingly exploring digital identity frameworks to streamline aid distribution and legal recognition. The growing urgency to provide dignified, interoperable identity access is accelerating innovation in this space. Consequently, the expanding refugee demographic is a main catalyst for market growth.

#### Restraint:

##### Limited digital infrastructure in refugee camps

Despite rising interest in digital identity solutions, many refugee settlements lack the foundational infrastructure to support them. Poor internet connectivity, unreliable power supply, and limited access to smart devices hinder deployment and usage. These constraints pose significant challenges for onboarding, verification, and long-term data management. Moreover, training and digital literacy gaps among displaced populations further slow adoption. Without robust infrastructure, even the most advanced SSI platforms struggle to deliver impact at scale. This digital divide remains a major bottleneck to market expansion.

#### Opportunity:

##### Integration with financial services

Linking SSI platforms with financial services presents a transformative opportunity for refugee empowerment. By enabling secure access to banking, remittances, and digital wallets, refugees can participate more fully in local economies. Financial inclusion also facilitates aid disbursement, microloans, and savings programs, improving long-term resilience. SSI systems can verify identity without centralized authorities, reducing friction in onboarding and compliance. As fintech adoption grows in underserved regions, the synergy between digital ID and financial access becomes increasingly viable. This convergence is poised to unlock new value streams across humanitarian and commercial sectors.

#### Threat:

##### Cybersecurity risks and data breaches

The deployment of self-sovereign identity (SSI) systems in refugee contexts introduces

serious cybersecurity vulnerabilities that could compromise sensitive personal data. Refugees often lack legal protections and digital literacy, making them especially susceptible to identity theft, surveillance, and exploitation if systems are breached. As SSI platforms rely on decentralized architectures, any weakness in encryption protocols, key management, or device-level security can expose entire networks to malicious actors. The absence of unified global standards for data protection further complicates cross-border implementation, leaving gaps in accountability and oversight. A single breach could erode trust among humanitarian stakeholders, delay adoption, and trigger reputational damage for technology providers.

#### Covid-19 Impact:

The pandemic disrupted field operations and delayed digital identity rollouts in refugee settings. Lockdowns and travel restrictions hindered biometric registration and in-person verification processes. However, COVID-19 also highlighted the need for contactless, remote identity solutions, accelerating interest in SSI platforms. Aid agencies began exploring digital onboarding and mobile-first identity tools to maintain service continuity. The crisis underscored the importance of resilient, decentralized systems that can operate under emergency conditions. As recovery efforts continue, SSI adoption is expected to rebound with stronger institutional backing.

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

The solutions segment is expected to account for the largest market share during the forecast period, due to its comprehensive offerings in identity creation, verification, and management. These platforms enable refugees to store and share credentials securely across borders and institutions. Growing demand for interoperable, privacy-preserving identity systems is driving innovation in this space. Humanitarian agencies and governments are prioritizing scalable solutions that integrate with existing aid and legal frameworks. Advancements in blockchain, biometrics, and mobile authentication are further strengthening this segment's appeal. As a result, solutions are expected to capture the largest market share during the forecast period.

The tech providers segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the tech providers segment is predicted to witness the highest growth rate, driven by rising demand for decentralized identity infrastructure. These firms are developing core components such as blockchain protocols, identity wallets,

and verification APIs tailored to refugee contexts. Strategic partnerships with NGOs and governments are expanding their reach and credibility. The push for scalable, secure, and user-friendly platforms is fueling investment in this segment. Innovations in privacy tech and edge computing are also enhancing performance in low-resource environments.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, owing to its significant refugee population and proactive digital identity initiatives. Countries like India, Bangladesh, and Indonesia are piloting SSI frameworks to support displaced communities. Regional governments are collaborating with tech firms and humanitarian organizations to scale identity access. Mobile penetration and digital literacy are improving, creating favorable conditions for adoption. The region's experience with large-scale biometric programs also supports integration with SSI platforms. These factors collectively position Asia Pacific as the dominant market during the forecast period.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by strong institutional support and technological maturity. The region hosts several leading SSI start-ups and blockchain innovators focused on humanitarian applications. Policy momentum around digital identity and data privacy is creating a conducive regulatory environment. Collaborations between academia, tech firms, and refugee advocacy groups are accelerating pilot programs. High levels of funding and infrastructure readiness enable rapid deployment and iteration.

Key players in the market

Some of the key players in Refugee Self-Sovereign ID Market include Microsoft, Accumulate, Ping Identity, Kaleido, NEC Corporation, SelfKey, Dock, Talao, Metadium, NuID, Blockchain Helix, 1Kosmos, Validated ID, Persistent Systems, and Wipro.

Key Developments:

In April 2025, Ping Identity announced its newly redesigned Nexus Partner Program, which includes enhanced offerings, go-to-market opportunities, and benefits for partners of all types. The new program rewards and recognizes partners for their deep

knowledge of Ping's solutions, empowering them to deliver the level of expertise, experience, and results that exceed customer expectations.

In February 2025, 1Kosmos announced the 1Kosmos platform now natively supports Microsoft Entra ID. This integration enables enterprises to enhance security and user experiences by using 1Kosmos to unify identity verification and passwordless access to their Microsoft ecosystem and non-Microsoft applications.

#### Offerings Covered:

Solutions

Services

#### Identity Types Covered:

Biometric

Non-Biometric

#### Networks Covered:

Permissioned Blockchain

Permissionless Blockchain

Hybrid Models

#### Deployments Covered:

Refugee Camps

Urban Displacement Zones

Border Crossings

## Resettlement Programs

### Applications Covered:

Refugee Registration & Onboarding

Cross-Border Identity Portability

Education Credentialing

Aid Distribution & Verification

Healthcare Access & Records

Digital Voting & Civic Participation

Other Applications

### End Users Covered:

Humanitarian Agencies

Host Governments

Refugee Populations

Tech Providers

NGOs & Civil Society

Financial Institutions

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

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