

## Digital Identity/Authentication Industry Update

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Göttingen Corporate Finance

August 15, 2020

## Our Promise

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# Göttingen Corporate Finance

We have a deep understanding of growth-oriented companies, having successfully executed numerous transactions in the past

We prioritize your interests and objectives:  
"the client comes first"

We are collaborative and partnership oriented

We have a direct line to key decision makers within the most relevant capital providers

We provide seamless advice and execution

We will seek to earn your trust every day with our transparent working and unbiased advice

GCF wants to be the partner that helps companies realise its true potential by finding the ideal investor which would be aligned in its strategic vision with your company

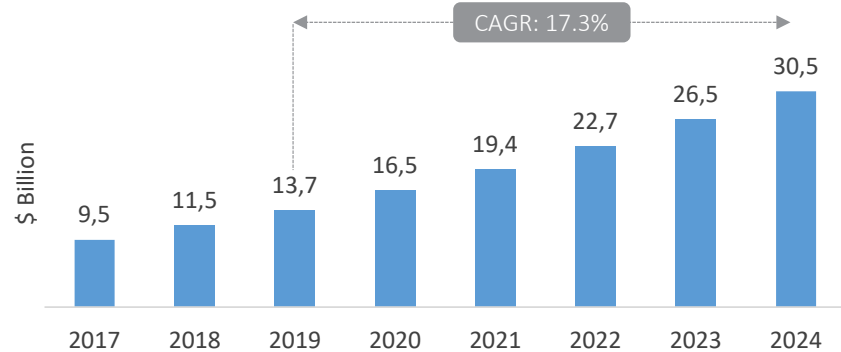
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# Industry Overview

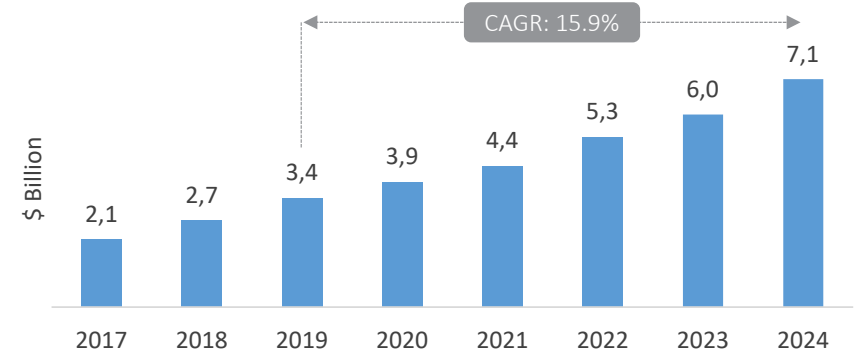
## Global Digital Identity/Authentication Market Overview



- The global digital identity/authentication solutions market was valued at \$13.7 billion in 2019, and it is anticipated to reach \$30.5 billion by 2024, growing at a CAGR of 17.3% from 2019 to 2024.
- Increasing number of identity and authentication frauds and growing focus on enhanced end-to-end customer experiences contribute to the growth of the digital identity market.
- North America led the market with a market share of over 35% in terms of revenue. APAC is expected to grow at the highest CAGR of 22.7% during the forecast period in the digital identity/authentication solutions market.
- The cloud deployment segment is estimated to hold higher market share (60%) in 2019. It is anticipated to witness a higher CAGR during the forecast period due to the scalability of benefits.

Source: MarketsandMarkets

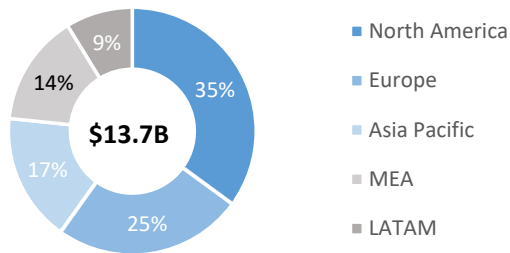
## European Digital Identity/Authentication Market Overview



- The digital identity market in Europe was valued at \$3.4 billion in 2019. It is expected to reach \$7.1 billion by 2024, growing at a CAGR of 15.9% from 2019 to 2024.
- Major factors contributing to the growth of digital identity/ authentication market in Europe include stringent government regulations such as the GDPR which aims to ensure improved safety of customers' data.
- The healthcare sector is projected to grow at a CAGR of over 10% during the forecast period. The digital identity/authentication solutions assist the healthcare department in reducing risks, meeting compliance requirements, and delivering improved patient care.
- Germany has emerged as a major European market as it has been a major target for cybercriminals resulting in loss of critical mobile phone data.

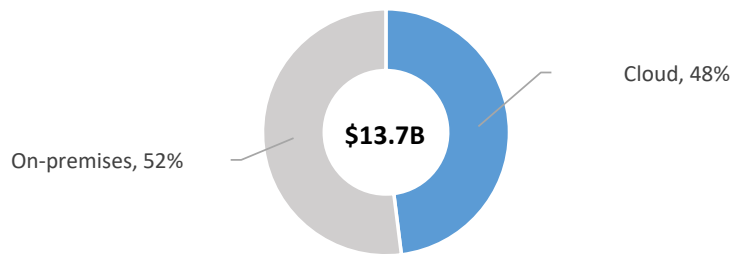
# Industry Segment Analysis

## Global Market by Region



Asia is forecast to have the highest CAGR of 22.7% during 2019-2024, due to the application of authentication services in various end-use industries.

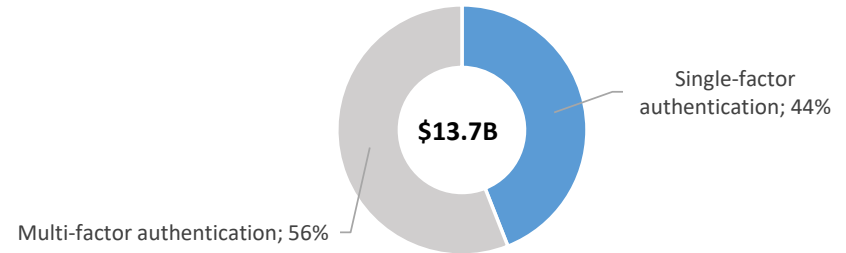
## Global Market by Mode of Deployment



The on-premises model offers complete control and flexibility. However, a shift towards cloud-based solutions is expected due to the scalability of benefits.

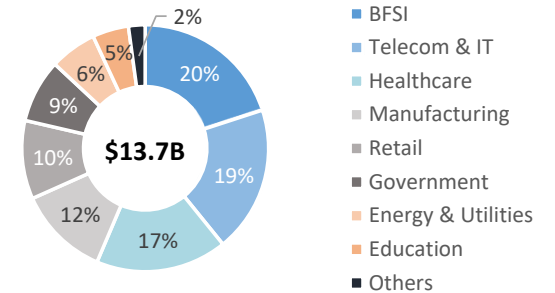
Source: MarketsandMarkets, Reports and Data

## Global Market by Authentication Type



Multi-factor authentication is forecast to witness a higher growth rate during the forecast period as it can replace multiple passwords with alternatives.

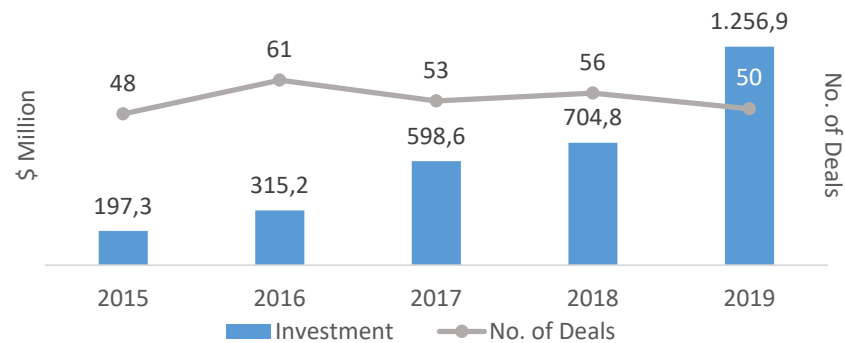
## Global Market by Industry Verticals



The BFSI industry accounted for the largest market share of 20%, attributed to the rapid adoption of digitalization in the sector, for payments, data storage, and other end-uses.

# Investment Trend Analysis

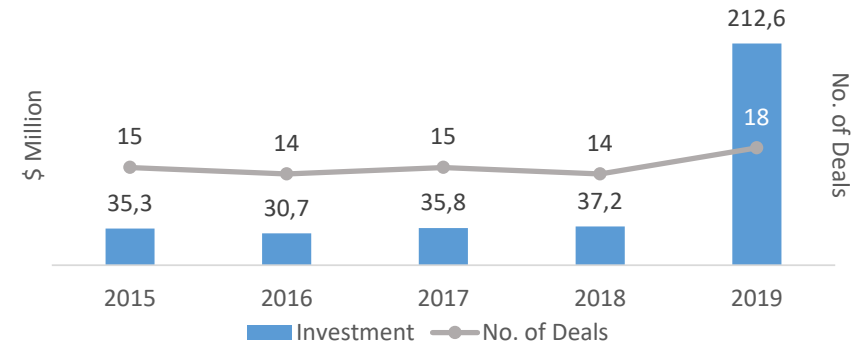
## Global VC Investments in Digital Identity/Authentication



- VC funding in global digital identity/authentication solutions has experienced 6.4x growth between 2015 and 2019 in value terms. In 2019, the total investment across the globe reached \$1.3 billion from \$197.3 million in 2015.
- The total amount of investment has increased by 78% (\$552 million) from 2018 to 2019. The average transaction size has also doubled to \$26.2 million in 2019, compared to \$13.1 million in 2018.
- In 2019, North America accounted for the largest share of the VC investments with more than 81% followed by Europe with ~17%.
- Cybersecurity VC investments reached nearly \$7 billion in 2019. Digital Identity was the single biggest category followed by security training.

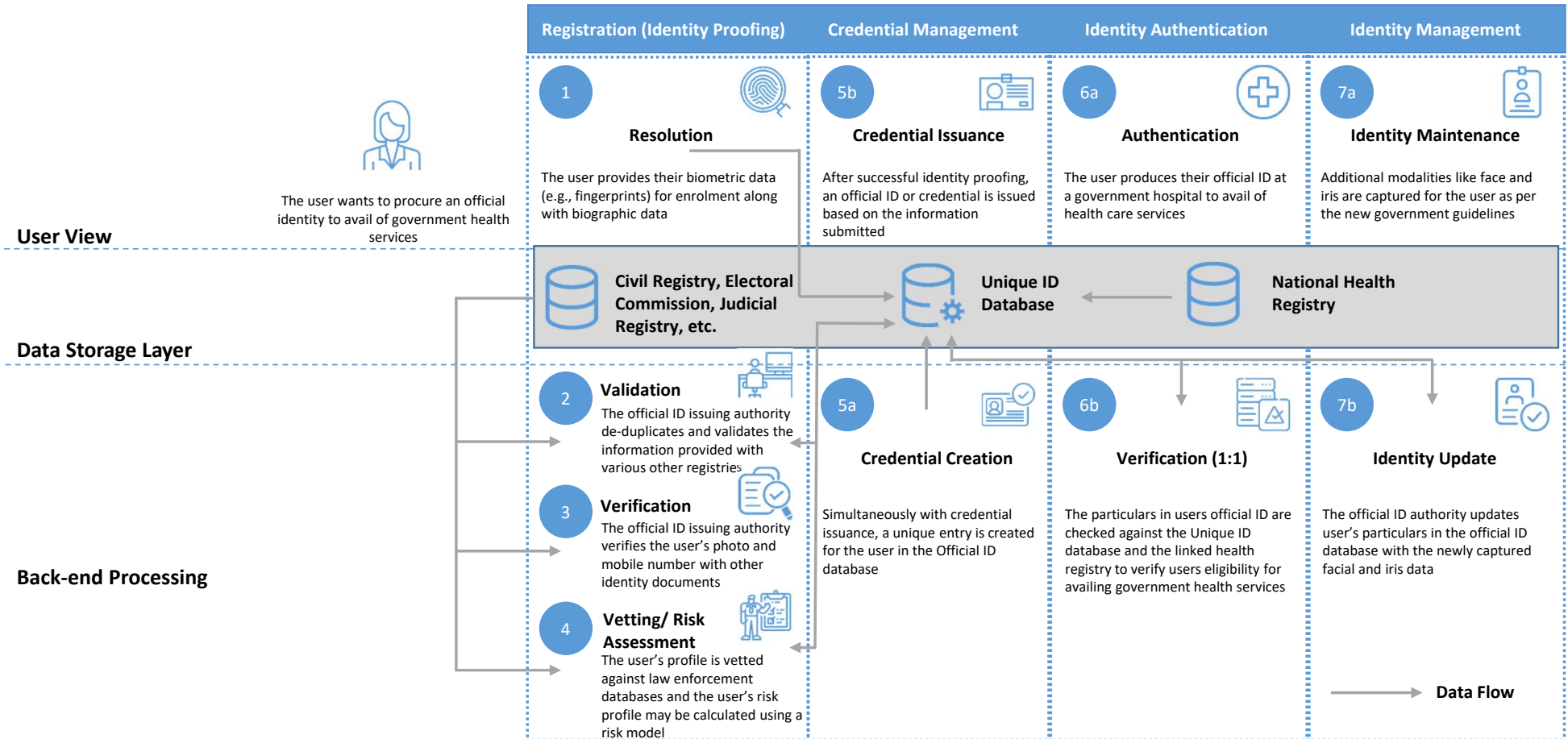
Source: Crunchbase

## European VC Investments in Digital Identity/Authentication



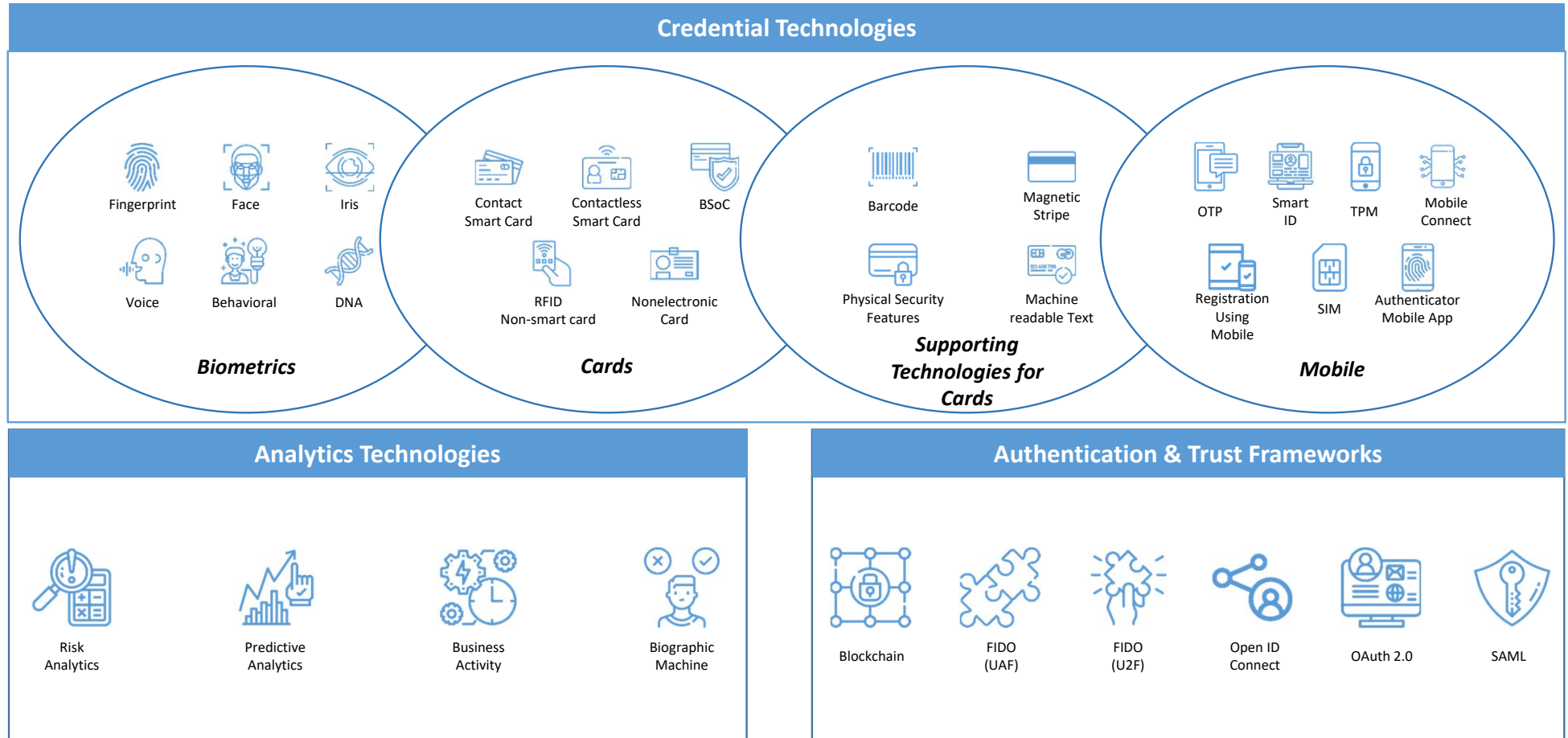
- The European VC funding in digital identity/authentication solutions has experienced 6x growth between 2015 and 2019 in value terms. In 2019, the total investment in Europe reached \$212.6 million from \$35.3 million in 2015.
- The total amount of investment has increased by 5.7x (\$175.4 million) from 2018 to 2019. The average transaction size has also increased to \$11.8 million in 2019, compared to \$2.7 million in 2018.
- In 2019, Europe received ~17% of total global investments, a sharp increase over the 5% share in 2018.
- In 2019, Cyprus based digital security provider AU10TIX secured a total of \$80 million alone in two funding rounds. Other companies like Onfido and IDnow have also raised \$50 million and \$40 million, respectively.

# Digital Identity Lifecycle



Source: World Bank Group

# Identification and Authentication Technologies



Source: World Bank Group



## Rating Comparison for Authentication and Trust Frameworks

Technology Parameters	Blockchain	FIDO (UAF)	FIDO (U2F)	OpenID Connect	OAuth 2.0	SAML
<b>Maturity</b>	Medium	Medium	Medium	Medium	Medium	High
<i>Longevity</i>	Medium	Medium	Medium	High	Medium	High
<i>Interoperability</i>	Medium	High	High	Medium	Medium	High
<b>Performance</b>	Medium	High	High	High	Medium	High
<i>Throughput</i>	Medium	High	High	High	Medium	N/A
<i>Response Time</i>	Medium	High	High	High	Medium	High
<i>Accuracy</i>	High	N/A	N/A	High	High	N/A
<i>Stability</i>	High	N/A	N/A	N/A	N/A	High
<b>Scalability</b>	Medium	High	High	High	Medium	High
<i>Data Scalability</i>	Medium	High	High	High	Medium	N/A
<i>Simplicity of Computational Resources</i>	Medium	High	High	High	N/A	High
<i>Simplicity of Network Infrastructure</i>	Medium	High	High	N/A	N/A	High
<b>Adoption</b>	Medium	High	High	High	High	High
<i>Integration</i>	Low	High	High	High	High	High
<i>Ease of Learning</i>	Medium	High	High	High	High	High
<i>UI (User Interface) Simplicity</i>	Medium	High	High	High	High	High
<i>Simplicity of Training</i>	Medium	High	High	High	High	High
<i>Cultural Acceptance</i>	Medium	High	High	High	High	High
<b>Security</b>	Medium	High	High	Medium	Medium	Medium
<i>Circumvention Resistance</i>	Medium	High	High	Medium	Medium	Medium
<i>Resilience</i>	High	High	High	Medium	Medium	N/A
<i>Transmission Security</i>	Medium	High	High	N/A	Medium	Medium
<b>Affordability</b>	Medium	Medium	Medium	Medium	Medium	Medium
<i>Hardware Affordability</i>	Medium	Medium	Medium	Medium	Medium	N/A
<i>Software Affordability</i>	Medium	Medium	Medium	Medium	Medium	High
<i>Revenue Opportunities</i>	Medium	High	High	High	High	Medium
<i>Time Cost Savings</i>	Medium	High	High	Medium	Medium	High

Source: World Bank Group

## Trends and Drivers

### Drivers

**Regulatory compliance:** The regulatory authorities are becoming more stringent towards KYC and AML compliance among reporting entities. The Financial Action Task Force (FATF) increased the scope of reporting entities and recommended the member countries to oblige the legal professionals, art dealers, and virtual asset dealers to perform AML screening on their customers.

**Increase in frauds:** In 2018, 49% of organizations globally reported that they were a victim of fraud and economic crime. As digital identity screening solutions are a cost-effective and futuristic approach to fraud-detection, this has led to the global growth of the identity verification industry.

**Technological advancements:** A remarkable technological shift occurred in the last decade at a global level. More and more businesses are investing in next-generation identity verification solutions backed by AI and powered with biometric technology. A study by Spiceworks found that 90% of businesses will be using biometric technology by the year 2020.

**Increasing pressure on customer rights:** California Consumer Privacy Act (CCPA) was launched in the US for the consumers to deal with their data. GDPR and CCPA are implemented on global businesses operating in their area of influence. So, it has a global impact and digital identity screening solutions compliant with data protection regulations share the burden of reporting entities.

**Win over manual verification:** The main reason behind the growth of this industry is the next generation solutions it provides for KYC and AML filtering of customers. Highly accurate results are delivered in real-time and proof of verification is also provided.

Source: CXOtoday.com

### Trends

**Passwordless login:** Passwordless login allows businesses to create an efficient authentication process by removing the inconvenience of memorizing yet another password. According to Gartner, 60% of large and global enterprises, and 90% of mid-size enterprises, will implement passwordless methods in more than 50% of use cases by 2022.

**Multi-Factor Authentication (MFA):** MFA is now being used by many organizations to help secure their customers' identities while sustaining a good user experience. The two most widely used verification methods are SMS messaging and authentication apps. A study by LoginRadius shows 28.3% of companies offer MFA.

**Social login:** Social login has persistently been one of the most popular login procedures, as it enables customers a quick and easy way to authenticate and gain access. Furthermore, it is also incredibly convenient as it allows customers to login using a wide variety of existing social network accounts such as Facebook, Twitter, and Google.

**Zero Trust trend:** In the Zero Trust model network, insiders and outsiders are treated as posing equal levels of risk. Instead of relying only on preset permissions, rules or roles, zero trust systems monitor user behaviors and allow access based on perceived risk levels.

**Decentralized authentication:** Poor password management policies often make digital identities a soft spot for hackers. Blockchain-based Decentralized Identity Management solution helps resolve this issue by utilizing DID (Decentralized Identifiers) based proofs to permit authentication and grant access to the respective system/apps.

## Key European Digital Identity/Authentication Player



Source: One World Identity

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## Key Transactions



### About the Target

Auth0 operates a cloud-based identity platform for developers. It provides Auth0, a web-scale cloud solution that includes APIs and tools. It enables developers to eliminate the friction of authentication and authorization of their applications and APIs.

### The Transaction

In July 2020, Auth0 raised a \$120 million Series F round led by Salesforce Ventures. With this, the company has now raised a total of \$330 million, including its \$103 million Series E round in 2019. The recent fundraising brings Auth0's valuation to \$1.92 billion.

### Funding Highlights

The primary reason behind this funding is the growing demand for Auth0's identity authentication software amid the COVID-19 pandemic. The pandemic has accelerated the adoption of digital technologies across a variety of industries. Businesses are connecting more and more with customers in the cloud and this is a massive opportunity for Auth0.

### Management Quote

*"Auth0's expertise in end-to-end identity products is well-aligned with Salesforce's Customer 360 platform. We look forward to supporting their growth with this new strategic investment from Salesforce Ventures to drive further innovation for customers."*

- John Somorjai, EVP, Corporate Development & Salesforce Ventures



### About the Target

Connectis develops and provides digital identity solutions such as online identification, authentication, and authorization to customers in the Netherlands, particularly organizations in the public sector, health care, insurance, and financial services.

### The Transaction

In April 2020, Signicat, the Trusted Digital Identity™ company has acquired digital identity specialist Connectis, to create the strongest digital identity platform in the European market, for an unspecified amount of money.

### Acquisition Highlights

The combined entity will focus on helping organizations looking to streamline online business while reducing risk and meeting a range of regulations such as KYC and AML. Signicat's footprint in the Nordics and Connectis' footprint in Benelux, especially in the government and healthcare sector, will help develop solutions that address some of the most complex digital identity challenges.

### Management Quote

*"With Connectis joining Signicat, we are not only expanding our reach and customer base, we are creating Europe's strongest digital identity platform. We are really looking forward to working together and to offer existing and new customers an even stronger digital identity offering."*

- Asger Hattel, CEO of Signicat

## Digital Identity/Authentication Industry: M&A Transactions (1/3)

Date	Acquirer	Target	Target Country	Target Summary	Deal Value
03-Aug-20	Ping Identity	One Identity	USA	One Identity, provider of Identity and Access Management solutions, eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access.	N/A
27-Jul-20	Atos	Digital.security	France	Digital Security is a provider of Identity and authentication management, cybersecurity auditing, consultancy, and training, as well as integrating and operating (service centers) security solutions.	N/A
09-Jul-20	Herjavec Group Inc.	Securience	UK	Securience is an identity and access management and IT security consulting firm based in the UK. As an IT consultancy, it offers professional services in Security Architecture and Design, Management Consulting, Security Software Implementation and Training.	N/A
07-Jul-20	Aura	Pango	USA	Pango is a global privacy and security company that offers security tools that protect people, families, and businesses from a wide variety of online threats. The Robo Shield and Hiya identify and block spam calls, and guard one's identity against the constant risk of fraud.	N/A
08-Jun-20	Vitruvian Partners	Scrive	Sweden	Since 2010, Scrive's cloud-based platform provides agreement lifecycle automation powered by electronic signatures and identification solutions.	N/A
26-May-20	Committed Capital	ID-ware	Netherlands	ID-ware provides turnkey solutions for identification and authentication processes. The Key to these solutions is the Enterprise platform for the management of smartcards and authorizations.	N/A
13-May-20	CyberArk	Idaptive	USA	Idaptive provides Next-Gen Access multi-layer protection to secure privileged account information from data breaches.	\$70M

## Digital Identity/Authentication Industry: M&A Transactions (2/3)

Date	Acquirer	Target	Target Country	Target Summary	Deal Value
27-Apr-20	Proxy	Motiv	USA	Motiv is a maker of the smart ring to bring digital identity signals to wearables for the first time and revolutionizes the way people use technology to interact with the world around them.	N/A
02-Apr-20	Signicat	Connectis	Netherlands	Connectis supplies online identification infrastructures that connect organizations, sectors and countries. The solutions provided by the company make it possible for customers to login with DigiD, eRecognition, Facebook, Google, eIDAS, iDIN and many other eID's.	N/A
01-Apr-20	Acuant	IdentityMind	USA	IdentityMind, the creator of Trusted Digital Identities (TDIs), offers a SaaS platform for online risk management and compliance automation. It helps companies reduce client onboarding fraud and transaction fraud, and improve AML, sanctions screening, and KYC.	N/A
19-Mar-20	LexisNexis Risk Solutions	Emailage	USA	Emailage provides fraud prevention and risk management. Through key partnerships, proprietary data, and advanced machine-learning technology, Emailage provides multi-faceted predictive solutions with email at its core.	\$480M
18-Mar-20	Orell Füssli	Procivis	Switzerland	Procivis' technology provides citizens with direct and trustworthy digital access to governmental and private services.	N/A
05-Mar-20	Nodle	Brickchain.com	Germany	Europe based Brickchain is a pioneer in securely managing and protecting identities. Brickchain's infrastructure provides a safer solution for users and consumer electronics manufacturers, as well as for government institutions.	N/A
24-Feb-20	EMK Capital	Trustonic	UK	Trustonic Ltd. is a provider of cybersecurity solutions for protecting digital identity, critical mobile apps, smartphones, wearables, IoT devices, health tech, and automotive systems.	N/A

## Digital Identity/Authentication Industry: M&A Transactions (3/3)

Date	Acquirer	Target	Target Country	Target Summary	Deal Value
11-Feb-20	BioCatch	AimBrain	USA	AimBrain is a cloud-based, multimodal identity authentication solution that combines both passive and active biometrics underpinned by proprietary deep learning, that builds an increasingly accurate user profile over time.	N/A
10-Feb-20	ASSA ABLOY Group	Biosite Systems	UK	Biosite provides biometric workforce management, site security systems, and business intelligence solutions to over 500 construction sites across the UK.	N/A
04-Feb-20	IN Groupe	Nexus	Sweden	Nexus, a part of the French IN Groupe, develops a range of security products that form the Nexus Smart ID platform. Through the Smart ID solution, it enables companies to issue and manage the lifecycle of trusted workforce identities as well as identities for workplace devices and the internet of things (IoT).	N/A
04-Feb-20	Hewlett Packard Enterprise	Scytale.io	USA	Founded in 2017, Scytale is an enterprise software startup specialized in zero-trust networking and cloud-native security. It helps enterprise security engineering teams standardize and accelerate service authentication across cloud, container, and on-premises infrastructures.	N/A
31-Jan-20	LexisNexis Risk Solutions	ID Analytics LLC	USA	ID Analytics provides consumer risk management with patented analytics, proven expertise, and near real-time insight into consumer behavior.	\$375M
24-Jan-20	FacePhi	Ecertic	Spain	Ecertic offers digital solutions specialized in electronic contracting, online identity and digital signature. It is considered one of the most important companies in the field of identity verification in Spain.	€2M
07-Jan-20	Zeva Holdings Group	NextgenID	USA	NextgenID is a technology innovator and a provider of trusted identity assurance, management, and credentialing solutions.	N/A



## Digital Identity/Authentication Industry: Fundraising Transactions (1/3)

Date of Funding	Strategic/ Financial	Investor Name	Target Company	Series/Name	Money Raised	HQ Country	Description	Other Investors
04-Aug-20	Financial	Aspect Ventures	Silverfort	Series B	\$30M	Israel	Silverfort extends Multi-Factor Authentication, Risk-Based Authentication and Zero Trust policies in a unified, AI-driven manner across all corporate users, devices and systems, both on-premise and in the cloud.	Citi Ventures, Maor Investments, Singtel Innov8, TLV Partners, etc.
14-Jul-20	Financial	Salesforce Ventures	Auth0	Series F	\$120M	USA	Auth0 operates a cloud-based identity platform for developers. It provides Auth0, a web-scale cloud solution that includes APIs and tools that enable developers to eliminate the friction of authentication and authorization of their applications and APIs.	Bessemer Venture Partners, Telstra Ventures, Trinity Ventures
09-Jul-20	Financial	Binance Labs	HOPR	Seed	\$1M	Switzerland	HOPR provides the tools and framework for the Web3 ecosystem, ensuring everyone has control of their privacy, data, and identity as they navigate online.	Synaitken, Spark Digital Capital, Focus Labs, Caballeros Capital
18-Jun-20	Financial	Apax Digital	Payfone	Series H	\$100M	USA	Payfone is a mobile and digital identity authentication solution that provides identity certainty, the ability to validate customers to create easy, secure, and frictionless experiences across PCs, mobile phones, and tablets.	MassMutual Ventures, Sandbox Insurtech Ventures, Synchrony Ventures
15-Jun-20	Financial	P101	Keyless	Seed	\$3.7M	UK	The Keyless Platform empowers businesses to embrace passwordless, protect their remote workforce, and enable strong customer authentication with just a look.	Primomiglio SGR SpA, Luiss Alumni 4 Growth
29-May-20	Financial	Placeholder	Magic	Seed	\$4M	USA	Magic is a passwordless authentication system. It provides a robust security platform built on secure hardware and user-owned encryption for the broader adoption of Web 3.0 technologies.	Lightspeed Venture Partners, Social Capital, Volt Capital
20-May-20	Financial	Activant Capital	Truework	Series B	\$30M	USA	Truework is a platform that digitizes the verification process for HR departments, banks, and others, to make it fast and secure for employees to get verified when applying for a loan, jobs, or apartment rental.	9Yards Capital, Khosla Ventures, Sequoia Capital

## Digital Identity/Authentication Industry: Fundraising Transactions (2/3)

Date of Funding	Strategic/ Financial	Investor Name	Target Company	Series/Name	Money Raised	HQ Country	Description	Other Investors
18-May-20	Financial	OnRamp Insurance Accelerator	Trust Stamp	Series A	\$1.2M	USA	Trust Stamp applies advanced cryptographic techniques and AI-powered presentation-attack detection tools to biometric and other identity data to create a proprietary non-PII Hash™ (EgHash™).	NA
13-May-20	Financial	Insight Partners	Semperis	Series B	\$40M	USA	Semperis is an enterprise identity protection company that enables organizations to quickly recover from accidental or malicious changes and disasters that compromise Active Directory, on-premises, and on-cloud.	Silvertech Ventures
05-May-20	Financial	Toba Capital	Clear Skye	Series A	\$5M	USA	Clear Skye delivers a complete Identity and Access Governance (IAG) solution. It provides employee lifecycle automation, access requests, access certifications, and business intelligence.	Inner Loop Capital, ServiceNow Ventures
28-Apr-20	Financial	Global Brain Corporation	Secret Double Octopus	Series B	\$15M	Israel	Secret Double Octopus has developed the world's only password-free, keyless authentication technology to protect identity and data across cloud, mobile, and IoT environments.	Benhamou Global Ventures, Jerusalem Venture Partners, etc.
21-Apr-20	Financial	Riverwood Capital	ForgeRock	Series E	\$93.5M	USA	ForgeRock is a multinational software company that develops commercial open source identity and access management products.	Accel, Foundation Capital, Kohlberg Kravis Roberts, Meritech Capital Partners
15-Apr-20	Financial	TPG Growth	Onfido	Series D	\$100M	UK	Onfido's AI-based identity verification assesses genuine user ID over a fake user ID, then compares it against their facial biometrics.	Acequia Capital (Acecap), Salesforce Ventures, Talis Capital, Tuesday Capital, etc.
14-Apr-20	Financial	New Enterprise Associates (NEA)	Beyond Identity	Series A	\$30M	USA	Beyond Identity's mission is to empower the next generation of secure digital business by replacing passwords with fundamentally secure X.509-based certificates.	Koch Disruptive Technologies

## Digital Identity/Authentication Industry: Fundraising Transactions (3/3)





Date of Funding	Strategic/ Financial	Investor Name	Target Company	Series/Name	Money Raised	HQ Country	Description	Other Investors
24-Mar-20	Financial	Scale Capital	NewBanking ApS	Unknown	\$1.9M	Denmark	Founded in 2015, NewBanking ApS provides user identity platform that allow end-users to verify their identity easily and securely across businesses.	Vækstfonden
19-Mar-20	Financial	finleap	myEGO2GO	Seed	N/A	Germany	myEGO2GO is a user-centric digital identity management platform (SSI) leveraging blockchain technology to re-use verified data. myEGO2GO creates a secure and private space in which the user can organize, structure and share data - all in one place.	NA
16-Mar-20	Strategic	Orell Füssli Holding AG	Procivis	Corporate Round	N/A	Switzerland	PROCIVIS is a Switzerland based start-up that offers digital identity solutions and e-government applications and services. Founded in 2016, the company aims to spearhead the transition to e-governance in Switzerland and abroad.	NA
28-Jan-20	Financial	First Round Capital	Persona	Series A	\$17.5M	USA	Persona enables businesses to verify customer identities that bring trust to online interactions and help them with age verification, fraud prevention, and account recovery.	Coatue Management
14-Jan-20	Financial	Georgian Partners	Trusona	Series C	\$20M	USA	Trusona secures identity authentication, removes passwords from the user experience across the organization, and elevate login experience. It develops a digital identity authentication solution without the risk of passwords.	Akamai Capital, Kleiner Perkins, M12, OurCrowd, Seven Peaks Ventures
06-Jan-20	Financial	Tiger Global Management	BigID	Series C	\$50M	USA	BigID develops software that helps companies have secure customer data and satisfy privacy regulations. It uses advanced machine learning and identity intelligence to help enterprises better protect their customer and employee data at the petabyte scale.	NA
04-Jan-20	Financial	Gradient Ventures	TypingDNA	Series A	\$7M	USA	TypingDNA provides typing biometrics authentication as a service, enabling companies to recognize people by the way they type.	Credo Ventures, Gapminder VC, Techstars Ventures

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## Digital Identity/Authentication Industry: Recent developments (1/4)

Company	Recent Developments
	<p><b>Innovative Technology Launches Facial Recognition API for the Gaming Industry</b>            “Innovative Technology launched an online API alternative to their ICU Intelligent Identification device aimed at the growing online gaming market. ICU API enable the website to perform facial recognition &amp; age estimation. It uses customers’ existing software and device cameras to communicate with the ICU algorithm to intelligently identify users’ faces and estimate age. This product suited to online gaming websites that could benefit from using ICU API to quickly identify and verify registered users. The API can also be used by businesses to support identity verification for access control while working from home”  <b>Source:</b> ProgrammableWeb  <b>Date:</b> July 22, 2020  <b>Source Link:</b> <a href="https://www.programmableweb.com/news/innovative-technology-launches-facial-recognition-api-gaming-industry/announcement/2020/07/22">https://www.programmableweb.com/news/innovative-technology-launches-facial-recognition-api-gaming-industry/announcement/2020/07/22</a></p>
	<p><b>NEC Corporation and SITA announces global aviation partnership agreement to deliver the future of Digital Identity at Airports</b>            “NEC Corporation and SITA announced a global partnership to develop solutions that enables a secure walk-through travel experience at airports, leveraging NEC’s i:Delight identity management platform together with SITA Smart Path and SITA Flex. The partnership comes as airports and airlines increasingly look to low-touch and automated passenger processing in order to comply with new hygiene requirements following the global COVID-19 pandemic, in line with recommendations from Airports Council International and IATA”  <b>Source:</b> Company Website  <b>Date:</b> July 21, 2020  <b>Source Link:</b> <a href="https://www.sita.aero/pressroom/news-releases/nec-and-sita-announce-global-aviation-partnership-agreement-to-deliver-the-future-of-digital-identity-at-airports">https://www.sita.aero/pressroom/news-releases/nec-and-sita-announce-global-aviation-partnership-agreement-to-deliver-the-future-of-digital-identity-at-airports</a></p>
	<p><b>EE launches digital identity platform to prevent fraudulent activities</b>            “EE announced its new Digital Identity platform, which helps protect customers from becoming victims of fraud. Through a series of checks, the platform quickly and seamlessly verifies a customer’s identity in real time, helping to prevent identity theft and fraudulent activities. A common type of criminal activity that EE tackles with the Digital Identity platform is SIM swap fraud; an account takeover where a customer’s phone number is transferred without the account holder’s knowledge”  <b>Source:</b> Telecomlead  <b>Date:</b> July 16, 2020  <b>Source Link:</b> <a href="https://www.telecomlead.com/telecom-services/ee-launches-digital-identity-platform-to-prevent-fraudulent-activities-95975">https://www.telecomlead.com/telecom-services/ee-launches-digital-identity-platform-to-prevent-fraudulent-activities-95975</a></p>
	<p><b>Trulioo brings document verification with face ID to SMBs</b>            “Trulioo, a global identity verification provider, launched new document verification and facial recognition features to EmbedID, a low-code developer tool preconfigured to work with GlobalGateway API. The new facial recognition and document verification technology will enable small and medium-sized businesses (SMBs) to provide the same level of online protection to their customers as multinational organisations”  <b>Source:</b> SecurityBrief  <b>Date:</b> July 15, 2020  <b>Source Link:</b> <a href="https://securitybrief.eu/story/trulioo-brings-document-verification-with-face-id-to-smb">https://securitybrief.eu/story/trulioo-brings-document-verification-with-face-id-to-smb</a></p>






## Digital Identity/Authentication Industry: Recent developments (2/4)

Company	Recent Developments
	<p><b>Bitdefender Launches Digital Identity Protection to Safeguard the Most Valuable Online Asset</b>            “As the professional world moves increasingly online, Bitdefender, protects over 500 million systems worldwide, announced the global launch of Bitdefender Digital Identity Protection, the service that lets freelancers, self-employed, consultants and even private individuals control their online reputation”  <b>Source:</b> PRNewswire  <b>Date:</b> June 24, 2020  <b>Source Link:</b> <a href="https://martechseries.com/sales-marketing/id-mgmt/bitdefender-launches-digital-identity-protection-safeguard-valuable-online-asset-persons-reputation/">https://martechseries.com/sales-marketing/id-mgmt/bitdefender-launches-digital-identity-protection-safeguard-valuable-online-asset-persons-reputation/</a></p>
	<p><b>Nets Launches eID for Remote Digital Identification</b>            “Nets released the Nets Passport Reader to provide electronic identification for remote digital identification with biometric liveness alert detection via a smartphone app. The Nets Passport Reader app has multiple security layers, reads information on the passport chip, and uses a camera for liveness detection with facial biometrics”  <b>Source:</b> Biometric Update.com  <b>Date:</b> June 10, 2020  <b>Source Link:</b> <a href="https://www.biometricupdate.com/202006/nets-releases-eid-for-remote-digital-identification-launches-eu-payments-alliance-with-partners">https://www.biometricupdate.com/202006/nets-releases-eid-for-remote-digital-identification-launches-eu-payments-alliance-with-partners</a></p>
	<p><b>Tech5 launches T5 Digital Identity Toolkit</b>            “Tech5 introduced the T5 Digital Identity Toolkit for touchless biometric digital ID issuance, management and offline authentication to streamline government and enterprise processes during and post-COVID-19. The toolkit includes biometric capture, liveness detection and a compression algorithm for facial images, and biometric matching technologies for mobile devices. It also includes T5-IDencode, developed in partnership with HD Barcode, which leverages barcode technology for personal and biometric data storage through fingerprints or facial recognition”  <b>Source:</b> Biometric Update.com  <b>Date:</b> June 1, 2020  <b>Source Link:</b> <a href="https://www.biometricupdate.com/202006/tech5-releases-digital-identity-toolkit-for-touchless-biometric-digital-ids">https://www.biometricupdate.com/202006/tech5-releases-digital-identity-toolkit-for-touchless-biometric-digital-ids</a></p>
	<p><b>COVI PASS – UK Introduces Biometric RFID Enabled Coronavirus Digital Health Passports</b>            “British cybersecurity firm VST Enterprises, in partnership with the UK government, developed an application called “COVI-PASS” to track “your Covid-19 test history and immunoresponse and other relevant health information” using a proprietary matrix code called a “VCode.” The “VCode” itself is described as an end-all tech that can store every sensitive detail about the life using military-grade encryption software”  <b>Source:</b> Greatgameindia  <b>Date:</b> May 27, 2020  <b>Source Link:</b> <a href="https://greatgameindia.com/covi-pass-biometric-rfid-enabled-coronavirus-digital-health-passports/">https://greatgameindia.com/covi-pass-biometric-rfid-enabled-coronavirus-digital-health-passports/</a></p>

## Digital Identity/Authentication Industry: Recent developments (3/4)

Company	Recent Developments
	<p><b>iProov biometric facial authentication chosen by NHS to secure remote onboarding</b></p> <p>“The UK’s NHS has chosen iProov’s biometric facial authentication to improve users’ remote onboarding experience on Android and iOS. Users can log in to the NHS app remotely and securely to make appointments, access medical records and order repeat prescriptions thanks to iProov’s Flashmark facial verification technology. The process involves submitting an ID photo and positioning the face on the screen. After a short sequence of flashing colors, user identity is verified and the NHS app can be accessed”</p> <p><b>Source:</b> Biometricupdate.com  <b>Date:</b> May 21, 2020  <b>Source Link:</b> <a href="https://www.biometricupdate.com/202005/iproov-biometric-facial-authentication-chosen-by-nhs-to-secure-remote-onboarding">https://www.biometricupdate.com/202005/iproov-biometric-facial-authentication-chosen-by-nhs-to-secure-remote-onboarding</a></p>
	<p><b>Smartrac and SUKU Leverage NFC and Blockchain to Guarantee Authenticity of COVID-19 Test Kits and PPE</b></p> <p>“Smartrac and SUKU announced a digital verification solution to authenticate COVID-19 testing kits and personal protective equipment (PPE). The NFC-powered platform enables instant verification of authenticity and provides end-to-end supply chain transparency. The test kit solution allows organizations to access real-time data from test kit results to make informed decisions on the allocation of doctors, facilities and resources. By opening a communication channel with healthcare officials, the solution will also provide patients with guidance on appropriate behaviour in case of a positive test result”</p> <p><b>Source:</b> RFID &amp; Wireless IOT  <b>Date:</b> May 15, 2020  <b>Source Link:</b> <a href="https://www.rfid-wiot-search.com/smartrac-nfc-solution-to-authenticate-covid-19-testing-kits-and-ppe-1994">https://www.rfid-wiot-search.com/smartrac-nfc-solution-to-authenticate-covid-19-testing-kits-and-ppe-1994</a></p>
	<p><b>Signicat delivers onboarding for German digital identity card, IDnow joins EU standards taskforce</b></p> <p>“Signicat’s digital identity verification and authentication technology certified to be integrated with nPA, Germany’s new national digital identity card, to improve digital customer onboarding. German citizens and residents will receive nPA national identity cards which the company assures meet verification requirements of the European eIDAS regulation and are widely accepted in the EU”</p> <p><b>Source:</b> Biometricupdate.com  <b>Date:</b> May 14, 2020  <b>Source Link:</b> <a href="https://www.biometricupdate.com/202005/signicat-delivers-onboarding-for-german-digital-identity-card-idnow-joins-eu-standards-taskforce">https://www.biometricupdate.com/202005/signicat-delivers-onboarding-for-german-digital-identity-card-idnow-joins-eu-standards-taskforce</a></p>
	<p><b>Payfone Launches its Mobile Authentication Solution in UK</b></p> <p>“Payfone launched Mobile Authentication solution, reducing reliance on SMS one-time passcodes to mobile devices in UK. The technology has already been adopted by one of the world’s largest banks based within the UK as a way to meet government regulations whilst also enhancing the customer experience. Payfone is protecting UK’s financial institutions and their customers”</p> <p><b>Source:</b> TelecomDrive  <b>Date:</b> April 30, 2020  <b>Source Link:</b> <a href="https://telecomdrive.com/payfone-launches-its-mobile-authentication-solution-in-uk/">https://telecomdrive.com/payfone-launches-its-mobile-authentication-solution-in-uk/</a></p>

## Digital Identity/Authentication Industry: Recent developments (4/4)

Company	Recent Developments
	<p><b>Idemia Provides Seamless Biometric Access Control to Digital Garage’s New Headquarters in Japan</b>            “IDEMIA announced the first deployment of MorphoWave Compact in Japan to provide high security and convenience for businesses and the public. The contactless fingerprint technology was installed in the new headquarters of Digital Garage in Tokyo”  <b>Source:</b> Company Website  <b>Date:</b> April 26, 2020  <b>Source Link:</b> <a href="https://www.idemia.com/press-release/idemia-provides-seamless-biometric-access-control-digital-garages-new-headquarters-japan-2020-04-27">https://www.idemia.com/press-release/idemia-provides-seamless-biometric-access-control-digital-garages-new-headquarters-japan-2020-04-27</a></p>
 	<p><b>Yoti, Synetics introduce biometric digital identity and e-KYC risk assessment onboarding project for banks</b>            “Yoti and Synetics Solutions have jointly developed Project Endeavour, a real-time electronic digital identity and e-KYC risk assessment onboarding solution with facial biometrics for the banking industry. The project is based on intelligence from Dow Jones Risk Solutions and is supported by the regulatory and compliance division of law firm Eversheds Sutherland, Konexo”  <b>Source:</b> Biometric Update.com  <b>Date:</b> April 20, 2020  <b>Source Link:</b> <a href="https://www.biometricupdate.com/202004/yoti-synetics-introduce-biometric-digital-identity-and-e-kyc-risk-assessment-onboarding-project-for-banks">https://www.biometricupdate.com/202004/yoti-synetics-introduce-biometric-digital-identity-and-e-kyc-risk-assessment-onboarding-project-for-banks</a></p>
	<p><b>iProov to provide biometric technology for Estonia’s digital identity program</b>            “iProov is proud to announce that its facial authentication technology is the first to achieve international digital identity conformance certification and has gone live in Estonia’s state-certified digital identity program. This represents a world-first for biometric authentication, machine learning and cloud-based services”  <b>Source:</b> Bobsguide  <b>Date:</b> March 2, 2020  <b>Source Link:</b> <a href="https://www.bobsguide.com/guide/news/2020/Mar/2/iproov-to-provide-biometric-technology-for-estonias-digital-identity-program/">https://www.bobsguide.com/guide/news/2020/Mar/2/iproov-to-provide-biometric-technology-for-estonias-digital-identity-program/</a></p>
	<p><b>Mastercard partners with North Macedonia on digital identity solutions</b>            “Mastercard is partnering with the Republic of North Macedonia to develop digital identity solutions that will give citizens of that country a new way of authentication when accessing government and business services. The partnership will develop digital identity solutions, including digital document signing and authentication that can be used for "know your customer" remote authentication, which will allow people to open bank accounts without entering a branch or for opening up new prepaid and postpaid mobile phone accounts”  <b>Source:</b> mobilepaymentstoday.com  <b>Date:</b> February 7, 2020  <b>Source Link:</b> <a href="https://www.mobilepaymentstoday.com/news/mastercard-partners-with-north-macedonia-on-digital-identity/">https://www.mobilepaymentstoday.com/news/mastercard-partners-with-north-macedonia-on-digital-identity/</a></p>



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