

# DIRECTORY OF IDENTITY MANAGEMENT AND PROOFING PRODUCTS

Time to complete: Approximately 15-20 minutes

The Directory of Identity Management and Proofing Products ("The Directory") is designed to provide industry with information on solutions that provide a service which confirms the authenticity of the government photo identification and matches the result to the image or video of a person.

The Directory is based on service providers who have completed a self-attestation of survey questions designed to gauge the extent to which their solutions are aligned with DIACC's Digital Identity Ecosystem Principles.

Background and why is this important.

In June 2019, Canada's regulatory environment moved to accepting innovative technologies to allow for reporting entities to use identification document capture and comparison tools to meet the requirements of anti-money laundering efforts. Reporting entities include Banks, Insurers, Securities, Realtors, Accountants, Notaries, Dealers in precious metals and money services businesses that are required to identify persons in a business relationship (plus other requirements). Additional tools to perform identification in a digital channel remain available using the credit bureau information and dual records from other reliable sources (e.g., Utility providers or regulated financial services).

Stakeholders and Benefits.

For service providers, this Directory provides awareness of the new Canadian marketplace expectations and new customers. The addition of these markets to start using applications to assess identification documents and verify identity is expected to expand the demand for digital identity solutions in Canada.

For consumers, more choice in how they provide identification. This empowerment of a new wave of sophisticated tools currently in use around the world may empower Canadian commerce to reduce customer friction and provide a secure tool for a person to both provide and access their own information and property.

For reporting entities; a centralized list of service providers and the start of an assessment process. To adopt these tools, reporting entities (for example banks, insurers, and security dealers) will be required to perform a risk assessment and document this exercise prior to use of the technology in their anti-money laundering programs. This survey will include many of the common questions used in the assessment of digital identification tools from an anti-money laundering perspective.

The Directory will be hosted by the DIACC and available free of charge to meet the objectives listed above. The Directory will also be provided to regulatory bodies to raise awareness of innovations in the marketplace available for regulated reporting entities to use. Membership in the DIACC is strongly encouraged for service providers and those interested in supporting the digital identity community in Canada.

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## A. ABOUT THE SERVICE PROVIDER

A1. Please provide a brief description about your company: (250 words)

RealAML is the first AML platform in New Zealand that provides access to both global real-time identity checks and fully outsourced AML checks. We officially launched in Auckland in 2019 after spending several years building the most accurate AML platform enabling businesses to verify and onboard their customers without touching a single pen or piece of paper.

RealAML has been focused on becoming the most affordable and effective real-time and outsourced AML solution. We are proud to say that we are the first and only certified NZ-coded customer onboarding technology and don't require overseas software. Being led by a team of experts who are passionate about building new solutions, RealAML guarantees the most ideal KYC/AML experience.

Through our global, omnichannel platform, businesses can access a wide range of tools from hosted, embedded, and mobile verification flows. With RealAML, you can also get access to anti-fraud tools that actually work leaving businesses confident that customers are who they say they are. From tampered IDs to emulated devices, our anti-fraud technology will have you waving goodbye to fraudsters once and for all. RealAML also provides access to thousands of data sets for businesses to onboard over 4 billion customers from 23 different countries.

Our services are contract-free and completely pay-per-use which allows businesses of all sizes to save thousands of dollars a month. After seeing a lack of transparency and expensive solutions, RealAML knew exactly what the market needed.

A2. Please provide a brief description about your ID Capture technology: (250 words)

RealAML offers both instant verification tools and complex company and trust checks. You can verify your customers in under a minute using our remote verification products: QuickID, FaceMatch, and PEP checks. QuickID access up to 1000+ global data sets that will let you verify the name, date of birth, address, and PEP status of your customers. RealAML guarantees the highest pass rates in New Zealand as no other provider is able to verify up to eight New Zealand government or commercial data sources per verification. FaceMatch, our highly accurate and anti-fraud biometric technology, matches your clients to their claimed identity through real-time ID scanning, lightning-fast OCR, data verification, and passive liveness checks in less than 30 seconds. FaceMatch detects physically tampered identity documents more accurately than any other system in the world. PEP Check identifies politically exposed persons (PEP), relatives and close associates (RCA), and special interest persons (SIP) by accessing 300+ PEP, sanctions, and watchlists to receive only the most relevant matches and avoid false positives. Our global document verification services (DVS) can verify passports, driver's licenses, national ID cards, and more. Through our omnichannel platform, you can do all these on any phone or desktop that has access to a camera and the internet giving businesses more flexibility to avoid losing customers during their onboarding journeys.

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A3. Please provide a brief description about complementary products or services: (250 words)

RealAML aims to help businesses lower their AML costs without compromising compliance, security and customer experience. We offer services that will help make KYC/AML onboarding journey better without the price tag. Businesses can avoid customer pushbacks by using their own unique brand through our free custom branding to increase completed verifications, customer loyalty and retention and to maintain brand consistency. Our system also uses a highly secure Amazon Web Services allowing businesses to have complete control over their data. They can choose to keep their completed checks as long as they need or automatically remove them from their records on a set period of time.

A4. What other solutions does your organization offer to help with identity verification and authentication?

Note: what is the list of complimentary products and services.

- 3rd Party Data Source Validation (sanctions/AML political and corrupt person scanning)
- Biometrics Authentication Methods (voice, pattern, behaviour, etc.)
- Credential Based Authentication
- Credit Bureau Validation
- Credential Management (Issuance and Receipt)
- Country Signer Certificate Authentication
- Device Fingerprinting (e.g., device attributes to assess a digital identity)
- Digital signing of records
- Digital Wallets
- Email Risk Assessment – association of name and address with email
- Face ID in lieu of Credentials
- Identity Access Management Integrations
- Knowledge based authentication/question-based authentication
- One-Time Password/Push Notification
- Telecom Validation (Enstream in Canada, Telesign in the US)
- Other

Additional comments

A5. Please list any other service providers which include your technology which are available in Canada (indirectly able to use your service)

Dye & Durham

A6. Please provide your contact information for inquiries related to this survey including websites, emails, social media or other methods.

Contact Person: Jordan McCown

Email: [jordan@realaml.com](mailto:jordan@realaml.com)

Phone: +6448894788

Website: [www.realaml.com](http://www.realaml.com)

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Linkedin: <https://www.linkedin.com/in/jordan-leroy-mccown-7b87487/>

Please provide a link to any blog posts which may be available about your company (please include DIACC Spotlights or blog posts as well).

<https://www.nzcode.com/blog/post/58173/why-real-aml-codes-software-in-new-zealand/>

<https://www.goldawards.co.nz/2020-innovation>

<https://www.scoop.co.nz/stories/BU2007/S00268/realaml-launches-industry-first-facial-recognition.htm>

<https://www.kiwioriginal.com/p/a-kiwi-original-jordan-mccown-realaml-550#details>

## B. ROBUST, SECURE, SCALEABLE

Digital identity solutions must be robust enough to ensure it is secure, available, and accessible at all times. Full time services access also requires redundancy and disaster recovery tools.

B1. Is the organization a member of the DIACC? \* (multiple choice)

- Not a member
- Considering membership
- Board level
- Sustaining
- Adopting

B2. Is your model self-attested to be compliant with the [Pan-Canadian Trust Framework™](#) (PCTF) \* To learn more about the PCTF, please contact [info@diacc.ca](mailto:info@diacc.ca) (multiple choice).

- Yes
- In progress
- Undecided
- Not planning on it

B3. Does the organization participate in IdentityNorth Conferences?

- Yes
- No

B4. Where are do you operate Internationally? \* (check all that apply)

- Canada
- US
- Mexico, Central America, and Caribbean
- Europe
- Asia

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- Africa
- Oceania
- South America

## C. IMPLEMENT, PROTECT, AND ENHANCE PRIVACY BY DESIGN

C1. Does your product currently in production comply with Privacy laws in the following?

\*

- Canada
- Quebec
- Brazilian General Data Protection Law (LGPD)
- California Privacy Legislation (CCPA)
- EU (GDPR)
- UK
- Australia (APPs)

Additional comments

## D. Inclusive, open, and meets broad stakeholder needs

D1. Which languages does your application support? \* (check all that apply)

- English
- Canadian French
- Other

D2. Which languages do you provide technical support in? \* (check all that apply)

- English
- Canadian French
- Other

D3. Does your application design address web content accessibility guidelines and is certified to:

- WCAG (Web Content Accessibility Guidelines)
- WCAG 2.0 (ISO/IEC40500)
- WCAG 2.1
- Been tested to Ontario's AODA compliance
- Not Yet
- Other

## E. Provides Canadians choice, control, and convenience

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E1. In addition to Canadian passports and driver's licenses issued by provinces, territories, and the Canadian department of defence, does your application currently support:

- Ontario Health card (only to be used for health purposes)
- Quebec Health card
- Provincial Photo ID cards (Alberta, Manitoba, New Brunswick, Newfoundland, Labrador, Nova Scotia, Ontario, Prince Edward Island, British Columbia, and Saskatchewan)
- Canada/US Nexus (Trusted Traveller)
- Canadian Permanent Resident card
- Secure Indian Status card
- In Process

Note: Canadian citizenship card not added to the list as there are limited security features (e.g., no barcode and not reissued since 2012). The laminated (certificate Indian Status card) does not have a barcode or security features and accordingly, is not recommended for this process.

E2. Globally, how many countries or regions can your service assess Passports (for example: 150)

206

E3. Globally, how many countries or regions can your service assess National ID cards (for example: 100)

182

E4. Globally, how many total identification records\* can your service assess? (Example: \*includes above and other records, 1000)

9421

E5. Globally, how many countries or regions can your service assess Driver's Licenses (for example, 500) Note: if a jurisdiction has 3 versions of the same Driver's License, please only count it as 1 jurisdiction for this question

198

Additional comments

## F. Built on open standards-based protocol

F1. On which platforms are your solutions available? (check all that apply)

- Apple app store
- Google app store

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- Windows/Microsoft application
- Embedded within client's application
- In-person scanner - hardware
- Not at this time
- Other

F2. Please list all Accreditations, Certifications, and Standards that your organization complies with (check all that apply)

- FIDO® Certified
- HIPAA - Self-attestation to meet the requirements of Health Insurance Portability and Accountability Act (USA)
- ISO/IEC 27001 - an international standard for information security management
- ISO/IEC 27018:2019 - Code of practice for protection of personally identifiable information (PII) in public clouds
- ISO 30107-3 - Biometric Presentation Attack Detection
- NIST 800-63 series - Self-attestation to meet the requirements of NIST Digital Identity guidelines
- SOC 2 Type 1 (at point of time) - Service Organization Control
- SOC 2 Type 2 (over a 6-month period) - Service Organization Control
- Not at this time
- Other

F3. Does the solution utilize open standard protocols such as \* (check all that apply)

- OAUTH2
- OPENID CONNECT 1.0
- SAML
- Not at this time

## G. Interoperable with international standards

G1. Confirm if you have an imaging standard for photos and facial capture (check all that apply)

- Passport Image Standard (ISO IEC19794-5)
- PNG
- JPEG
- GIF
- TIFF
- Proprietary Standards
- Other, please describe

Additional comments

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## H. Cost effective and open to competitive market forces

H1. What is the cost-model? (check all that apply)

- Flat fee for time period
- Pay per use model
- Mixed model of flat fee and usage
- Other

Additional comments

H2. What size of organizations have adopted your vendor's solution(s)? (check all that apply)

- Government and public sector
- Large organizations (Over 500 employees)
- Small organizations (Under 500 employees)
- Consumer direct
- Other

Additional comments

## I. Able to be independently assessed, audited, and subject to enforcement

I1. How does the application capture the image of a live person? (check all that apply)

- Via computer webcam picture
- Via computer webcam video
- Via computer webcam interactive video
- Via mobile device picture
- Via mobile device video
- Via mobile device interactive video
- Other

I2. Does the application perform a liveness detection or genuine presence test and how? (check all that apply)

- Yes, actions to be performed by person (active liveness check)
- Yes, live video capture and/or motion detection (passive liveness check)
- Yes, session can be reviewed by a live human checker
- Not at this time
- Other

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13. Does the application read the machine-readable portion of the photo identification documents as applicable?

- Yes, recorded and used for validation (the information read from the machine-readable portion is compared to the text on the identity document)  
 Yes, recorded only without validation  
 No

14. Does the application read the facial biometric (ICAO 9303) NFC chip of machine-readable passports? (check all that apply)

- Android ready now  
 Android within next 3 months  
 Apple ready now  
 Apple ready within 3 months  
 Not at this time  
 Other

15. Does the application verify that the chipped ID document has been authenticated? (e.g., Country signer, Active Authentication, etc.)?

- Yes  
 No

16. Does the application connect with any government sources to confirm the legitimacy of the record?

- Yes  
 No

17. Does the application check to confirm the expiry date of the document is not prior to the date of the validation? (As applicable; a requirement from Canadian Anti-Money Laundering regulations)

- Yes

18. Does the application test the algorithm (if applicable) for the unique identifiers against the ones used by the identification document provider?

- Yes, when applicable (e.g., Ontario Driver's License has the first letter of the identification number matching the first letter of the surname)  
 No

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I9. Is the application able to parse the following data fields needed for relying parties to use the process for Anti-Money Laundering requirements in Canada?

- Yes  
 No

Note: The fields for AML requirements in Canada as follows: name, address (if on document), date of birth, reference number of identification document, expiry date, date and time of identification validation, type of identification, jurisdiction of identification document, and country of identification document.

I10. What physical identification security features does your solution test against a database of expected results? (check all that apply)

- Character spacing  
 Document size  
 Document modifications (e.g., cut corner)  
 Document shape  
 Font position  
 Font size  
 Font type  
 Holograms  
 Image frequency  
 Image positioning  
 Image size  
 Markers (logos, symbols or watermarks) positioning  
 Markers (logos, symbols or watermarks) size  
 Position and size of magnetic stripe  
 Raised lettering  
 Ultraviolet images  
 Other

Additional comments

## **J. Minimizes data transfer between authoritative sources and will not create new identity databases**

J1. Where is the identification information ultimately stored? (check all that apply)

- By the person being identified (e.g., stored digital identity on their device)  
 By the vendor on behalf of the subject (e.g., Identity network stores the encrypted access of the digital identity for the person being identified)  
 By the vendor as directed by the entity receiving the identification information (e.g., financial institution)

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- By the entity receiving the identification information (e.g., financial institution)
- Any of the above
- Other

J2. Does the information stay within Canada for the entire session for Canadian issued identification (e.g., in transit not related to storage)?

- Yes
- No

J3. Does the ID network encrypt all information in the mobile application in transit?

- Yes
- No

J4. What option do they have for the storage information? (check all that apply)

- Major cloud providers with Canadian server locations
- Major cloud providers with International server locations
- Private clouds
- Other

J5. What option do they have for the delivery of service? (check all that apply)

- Major cloud providers (SaaS) with Canadian server locations
- Major cloud providers with International server locations
- Private clouds
- On premise with customer's data center
- Mobile Integrations (Customer within their own app via SDK)
- Mobile Integrations (Vendor application)
- Web Integrations (Customer within their own app via SDK)
- Web Integrations (Vendor application)
- Other

Additional comments

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