
PSSDC JC-JEDI Update Digital Trust/Identity

October 28, 2021

Jurisdictional Experts for Digital Identity (JC-JEDI)

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PEI	Adam Peters
Quebec	Marc Vézina
Ontario	Rob Devries
Saskatchewan	Cosanna Preston
Manitoba	Colin McDonald
Alberta	Robert Salloum
British Columbia	Sophia Howse

Jurisdiction	Name
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Nunavut	Shawn Morrissey
Northwest Territories	Linda Maljan
Municipal-MSDO	Darren Baden
Municipal-MISA	Jean Martin Thibault
GC-IRCC	
GC-TBS	Michael Goit
GC-ISED	Paul Jackson
ICCS-ISAC	Peter Watkins

These are your point/primary contacts on the topic of digital identity/trust.

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Key elements of Pan-Canadian Digital Identity plan

1 COVID Response Recovery

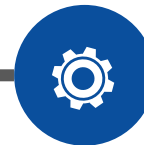
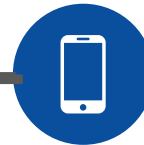
First: focus on issuing a digital credential
Next: create a digital service that depends on issued credential

2 Verified Persons

First: create log-in service or issue a digital credential
Next: create a digital service that depends on log-in service or issued credential

3 Verified Organizations

First: focus on issue a digital credential
Next: create a digital service that depends issued credential



4 Trusted Digital Wallets

First: on user expectations, experience, interoperability, certification

5 Critical Public Infrastructure

First: implement a working release
Next: ongoing release plans

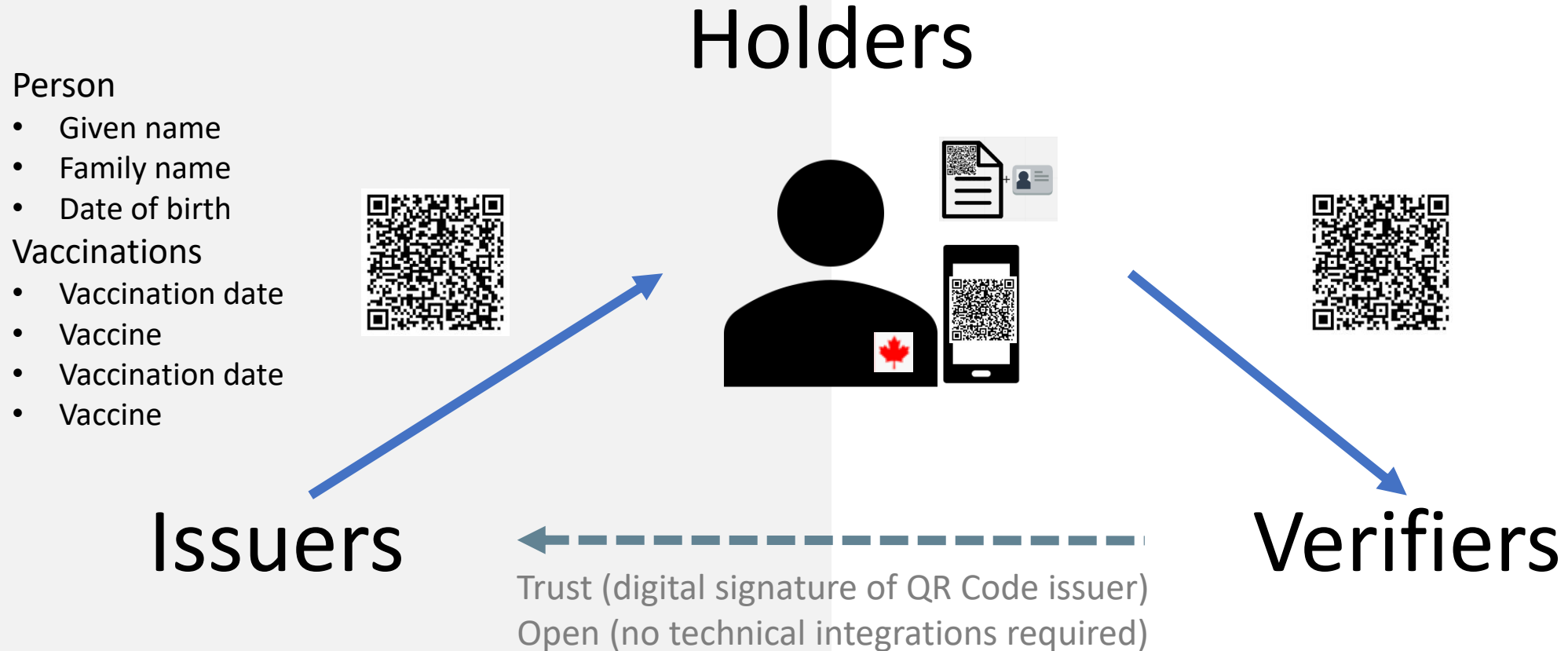


Note: Joint Councils work on Pan-Canadian Proof of Vaccination started in December 2020. Initially sponsored by QC,ON,BC,GC.

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Proof of Vaccination: Validated the model for Pan-Canadian Digital Trust/Identity



Implementation of Proof of Vaccination has proven the model for Pan-Canadian Digital Trust/Identity
– Citizen Centred, Distributed, Open -

Next steps will involve improving citizen control, privacy, security, extensibility to other credentials etc.

Pan-Canadian Digital Trust/Identity: What's Next?

2. Issuing Verified Person Credentials

- Given name
- Family name
- Date of birth
- Registered Address
- ...

3. Issuing Verified Organization Credentials

- Business Name
- Business Number
- Registered Address
-

“proof of business registration”

Issuers

Holder



Verified Person Credentials
and/or
Verified Organization Credentials

4. Trusted Wallet from App Stores

A set of six icons arranged in two rows. The top row contains a star, a crown, and a laurel wreath. The bottom row contains two briefcases and a diamond.

Verifiers

Trust (digital signature of issuing authority)
Open (no technical integrations required)

Pan-Canadian Digital Trust/Identity: ?Dashboard Idea?

	NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	YK	NT	NV	GC
1. Proof of Vaccination	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO	MLBTO
2a. Verified Person Login Service	P	P + LB			MLBTO (Health)	MLBT		MLBTO	MLBTO	MLBT				MLBT
2b. Issue Verified Person Verifiable Credential	P	P			P	MLBT		P	P	MLBT				P
3. Issue Verified Organization Verifiable Credential	P									MLBT				P
4. Infrastructure: Trusted Digital Wallets	P				MLBTO	MLBTO		P	P	MLBTO				P
5. Infrastructure: Distributed ledger for the public verification keys of the issuers (open to read by verifiers)	P				MLBTO	MLBTO		P	P	MLBTO				P

M – Mandate

L – Leadership

B – Budget (funding)

T – Teams for implementation (agile digital delivery, UX, design, development, service and support/help desk, communications/reporting, policy, privacy – build and/or buy strategy)

O – Open collaboration and contribution with teams of other jurisdictions

----- or -----

P - Planning, Piloting, Proof of Concept (no timeline for production)

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Check Point?

- Progress to date within your jurisdiction
- Expectation of progress within your jurisdiction for upcoming year
 - Verified person login service
 - Issuing digital credentials for verified person
 - Issuing digital credentials for verified organization (proof of business registration/ownership)
 - Digital trust infrastructure
- Gaps in expectations vs. delivery
- Pan-Canadian Digital Trust/Identity worked for proof of vaccination
- 10 months from initiation of collaboration to publicly available solutions
- Next steps involve issuing proof of business registration (verified organization), and verified person credentials using the (now proven) model for Pan-Canadian Digital Trust/Identity

Patterns

1. The first mover that has already done it
2. The small coalition of first movers that are aligned and doing it
3. The expansion to include the majority
4. The inclusion of those that remain

This is the cycle that played out for proof of vaccination.
This is the way to go about the other pieces of the puzzle.
Waiting until everyone aligns means waiting too long.

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5. Conditions to Advance Implementation

As digital continues to transform every aspect of society, client expectations regarding their interaction with government has shifted. Clients now expect a streamlined and user-centric experience in every digital interaction with government.

In order to meet client needs and thrive in the new digital era, governments (at all levels) must reframe digital ID as a critical business enabler. This requires the necessary technical and organizational capabilities to ensure the successful implementation and operation of a digital trust and identity solution.

The following are five key conditions that are prerequisites to advance implementation. Jurisdictions that possess these conditions have demonstrated progress towards digital ID adoption. The pandemic has revealed the need for organizations to increase capabilities in these areas through the successful design, development, and implementation of digital proof of vaccination across jurisdictions in 2021.

Agile digital delivery teams that are aimed at service implementation on a timeline of months is what shifts the dynamic away from plans, proof of concepts, and pilots towards real services people can really use.

Conditions to Advance the Implementation of A Digital Trust & Identity Solution

- 1** **Mandated Priority:** Organization must demonstrate a clear commitment to enhance digital services. Providing clients with their data in a trustworthy digital form must be a priority across all levels of government.
- 2** **Senior leadership:** Assign the task of producing and overseeing a digital trust and identity solution to a leadership role. A key responsibility of this role should be to engage with leaders across organizations. A dedicated resource to complete this work is essential because solutions for digital trust and identity is behind the scope of single organizations.
- 3** **Committed Funding:** Ensure the necessary budget has been allocated to complete the work. The budget should include room for expansion during the fiscal year to ensure teams can be assembled.
- 4** **Delivery Teams for Implementation and Operations:** Ensure there is a strong and capable in-house team of dedicated public servants to support the work of a digital trust and identity solution. Augment capabilities from expert contractors and/or vendors in specific areas (i.e. software development, service design, and implementation).
- 5** **Open Collaboration & Alignment Across Jurisdictions:** Ensure all jurisdictions embrace the use of modern, agile, and digital methods for design, development and delivery. This will reduce risk and accelerate implementation. Openness and collaboration will also generate results and boost alignment across jurisdictions.

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Institute for
Citizen-Centred
Service

L'institut des
services axés sur
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Proof of Vaccination: PSCIOC Roundtable Oct 27

	NL	NS	PE	NB	QC	ON	MB	SK	AB	BC	YK	NT	NV	GC
1. Issue Pan-Can format proof of vaccination (Smart Health Card QR code)?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
2. Verify (accept) QR codes of other jurisdictions?	I	I	I	U	I	I		I	U	I	I	U		I
*Link: issuing service	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y?</u>	Y
*Link: app for holders? (wallet?)	<u>Y</u>			U	<u>Y</u>		<u>Y</u>	<u>Y</u>						
*Link: app for verifiers?	<u>Y</u>	<u>Y</u>	I	I	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Support built-in Apple/Google smartphone features (wallet/health apps)		I		U		P				U				

Y – yes

I – in progress

N – no

U – approach is not determined

P – planned

Open Source IssuerKit: <https://github.com/hc-sc/PHAC-PVC-IssuerInABox>

Open Source Verifier: <https://github.com/ongov/OpenVerify>

Open Source Spec: <https://github.com/smart-on-fhir/health-cards/>