



Innovation, Science and
Economic Development Canada

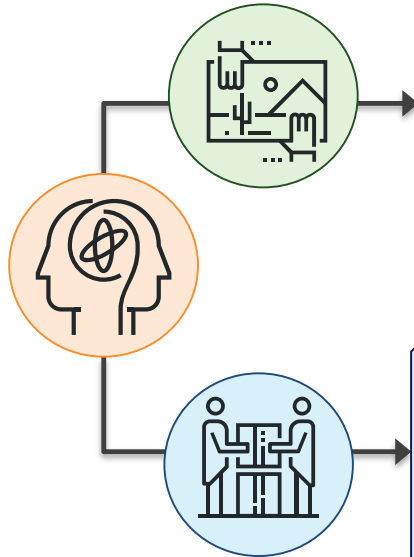
Innovation, Sciences et
Développement économique Canada

Canada

Enabling Trust in a Digital Economy

Community of Federal Regulators
August 26, 2019

Trust is Key to a Thriving Economy



Entities need to trust each other before transacting

- Trust established by sharing information to prove identity and legitimacy (e.g., identity documents, licences, permits)
- More sensitive the transaction, more trust that is needed

Trust is needed to share information (to establish trust)

- Is the information legitimate?
- Is the means of sharing secure?
- Can the recipient be trusted with the information?

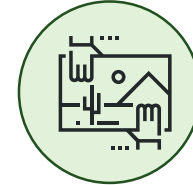
Challenges with Current Approaches

Paper Method



- Insecure - easy to forge documents and signatures
- Issuing, sharing, verifying and managing paper documents is costly and time consuming
- Difficult to determine the current status of a paper document (i.e., current and not revoked?)

Electronic Databases



- Difficult to confirm identity online (e.g., scanned documents)
- Creates silos of information across services (e.g., duplicate and out of sync information)
- Information sharing between services is costly and difficult to implement and maintain
- Targets for large security breaches (e.g., Capital One, Desjardins)

Canada's Digital Charter

Building a Foundation of Trust: A Plan by Canadians, for Canadians

Key Principles Include:



Control and Consent

Control over what data they are sharing, who is using their personal data and for what purposes



Transparency, Portability and Interoperability

Clear and manageable access to their personal data; free to share or transfer it without undue burden



Open and Modern Digital Government

Modern digital services from the Government of Canada, which are secure and simple to use.

How Can We Get There?

Exploring modern approaches for managing identity and information



Tell Us Once Approach

Reducing time and effort for individuals and business by enabling them to reuse information they have already shared



Choice of Identity and Information Issuers

Making it easier to prove identity and legitimacy digitally through trusted issuers (e.g., provinces, regulators)



Information on Demand

Digital wallets, claims and credentials will put users in control of their information, allowing access to it on their terms

Why Digital Credentials?

What Are They?



Assertion about an organization or individual (e.g. Permits, Licenses, Articles of Incorporation)



Issued by an authoritative source



Contain attributes called claims (e.g. Business Number, Address, Company Name)

Benefit For Regulators



Digital, not manual validation

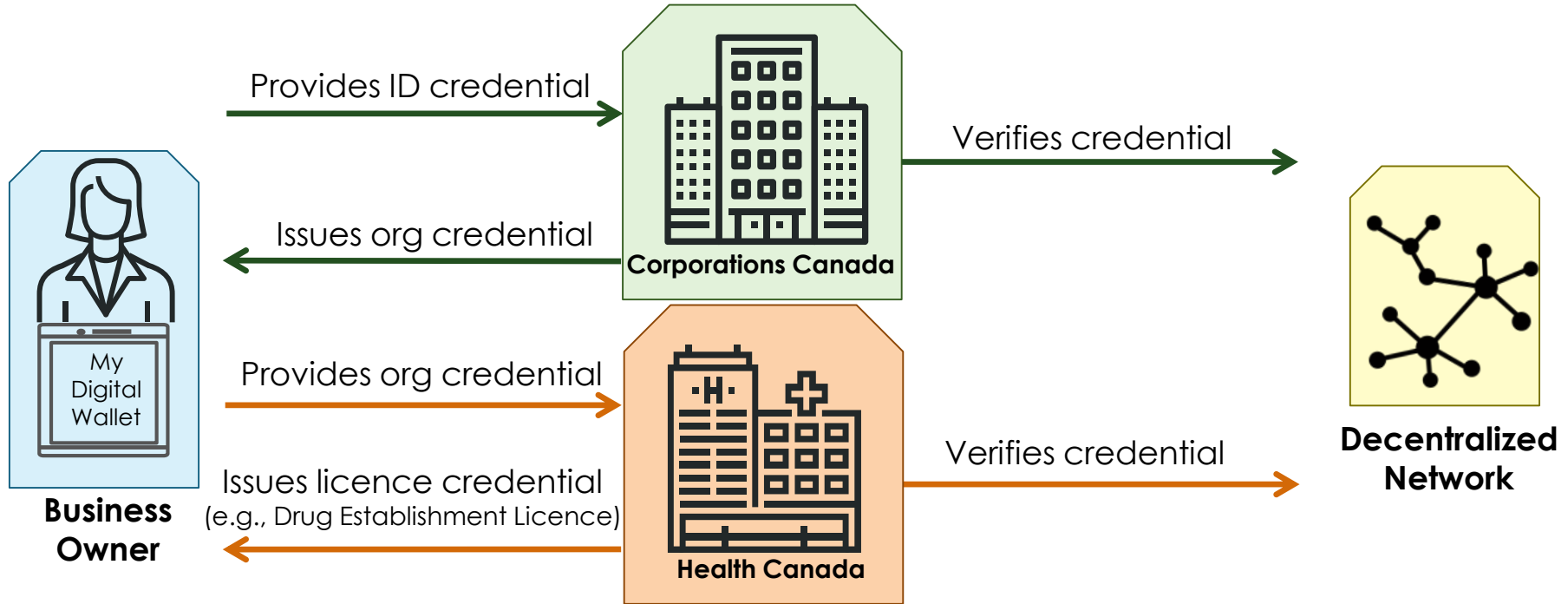


Issue, revoke, or change digital credentials in real-time



Save time and money!

Use Case for Regulators - Issuing Claims



Laying the Foundation

ISED has already been laying parts of the foundation for this new approach through the following digital identity and service to business initiatives:



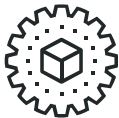
Business Number (BN) Adoption

ISED is supporting departments in their transition to using the BN as a single identifier for business before April 2020



Pan-Canadian Trust Framework (PCTF)

ISED is co-developing the PCTF, a set of standards which will enable Canadians and business to use their digital identity across the country, regardless of jurisdiction.



Experimentation and Proofs of Concept

ISED has been leading and partnering on digital identity experiments and proofs of concept, testing out new approaches for digital identity and service to business, including the use of digital wallets and credentials.

Current Focus

Tell Us Once Prototype



ISED is partnering with TBS, CRA and ESDC to explore how to enable tell us once capability for federal service delivery.

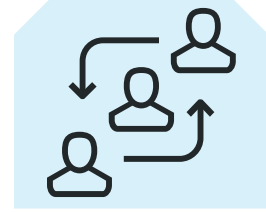


Prototype will test out and compare wallet-based and other approaches to tell us once



Focus is on developing and testing user-friendly approaches for proving identity online and reusing information that has already been shared

Partnering Opportunities



ISED is looking to partner with regulators to improve the service experience for Canadian business

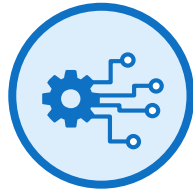
- Issuing digital credentials and enabling support for digital wallets to help save time and money for individuals and business you serve
- Exploring new approaches for digital identity for business and tell us once to:
 - reduce operating costs; and
 - streamline services you provide to clients

Annex: Tell Us Once Prototype

What we want to better understand



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**USER
EXPERIENCE**

TECHNOLOGY

What does Tell Us Once look like to the end user?

How do we best support **integrated and interoperable service delivery** across GC (OneGC) through Tell Us Once?

Deliverables



1. PROTOTYPE



2. DATA



3. SUMMARY OF FINDINGS

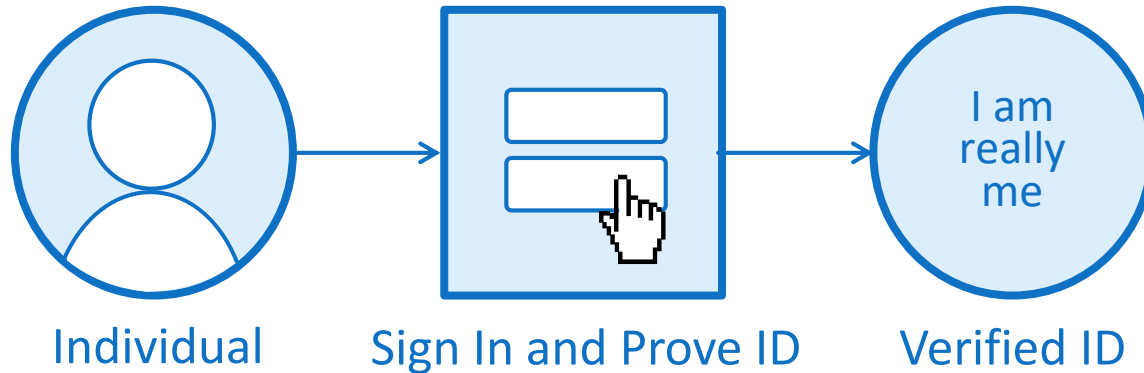


4. RECOMMENDED PATH FORWARD

Annex: Tell Us Once Use Case 1

VERIFIED INDIVIDUAL

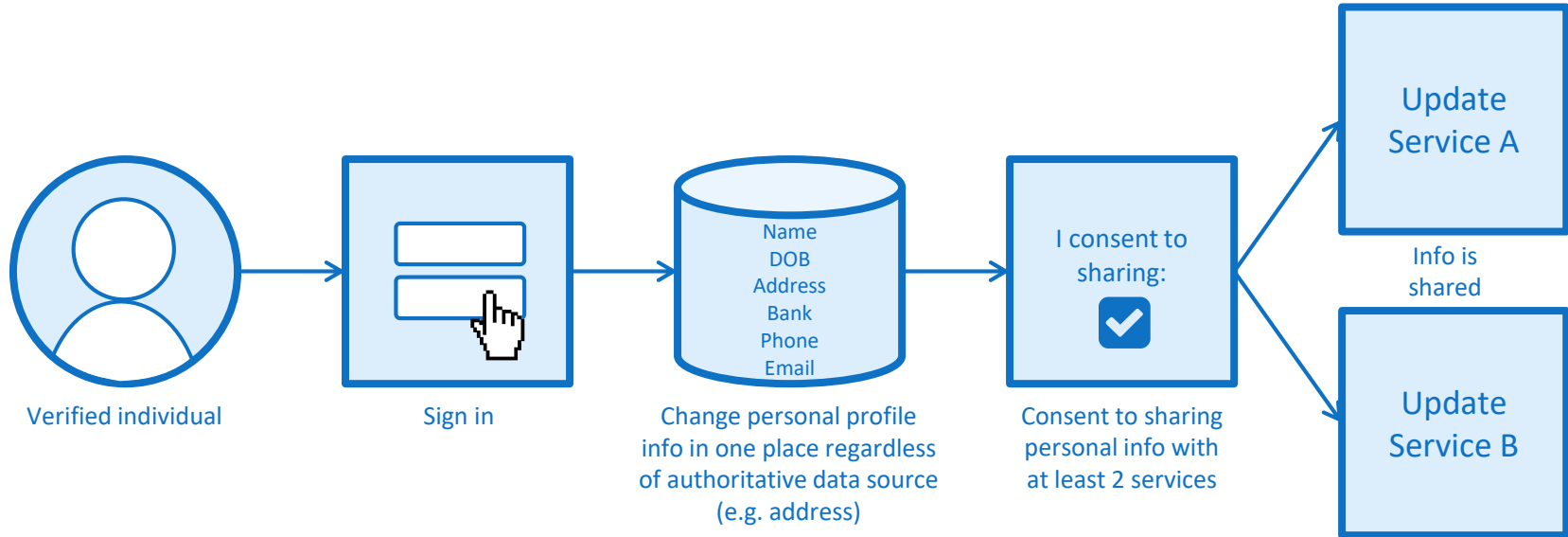
Authenticate and prove identity of an individual



Annex: Tell Us Once Use Case 2

INFORMATION SHARING

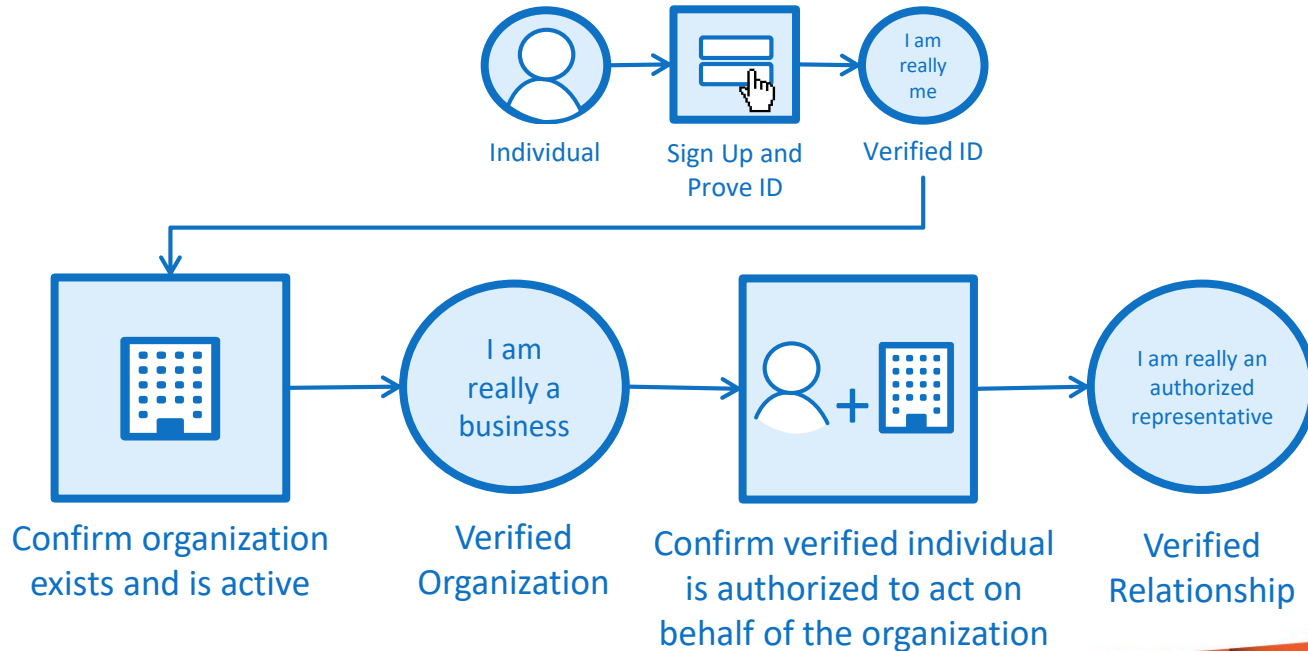
Self serve client profile management



Annex: Tell Us Once Use Case 3

VERIFIED ORGANIZATION AND RELATIONSHIP

Verify the existence of an organization and link it to an individual



Annex: Tell Us Once Use Case 4

VERIFIED ORGANIZATION AND RELATIONSHIP

Verify the existence of an organization and link it to an individual

