

Enabling Digital Identity

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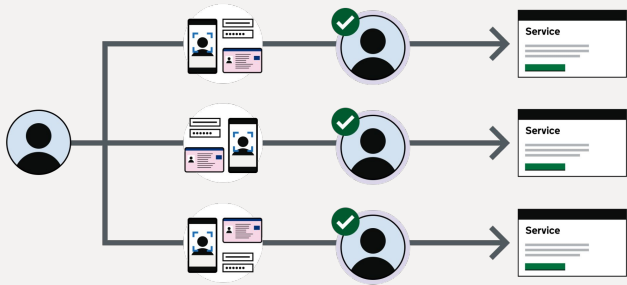
GDS

What I'll cover today

- Creating a front door to government services
- AI-enabled identity-proving
- Data sharing that enables a better user experience and helps detect fraud
- Future opportunities

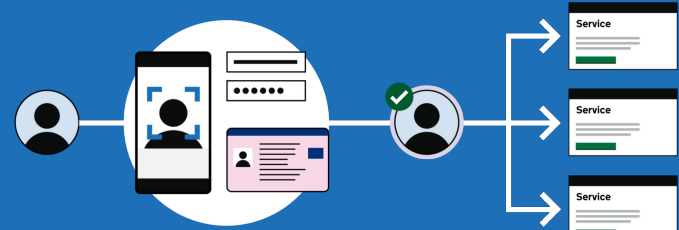
Creating a Front Door to Government Services

Creating a 'Front Door' to Government



Multiple 'doors'

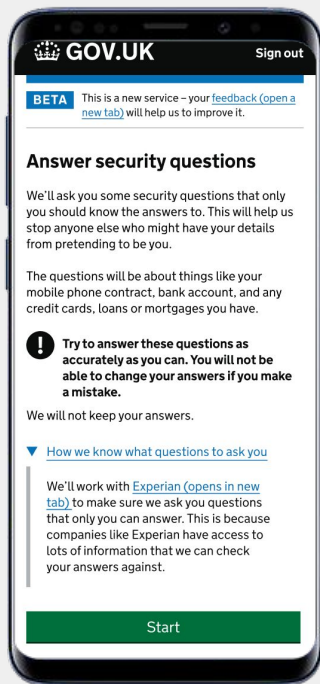
Repeatedly providing the same information again and again



One 'door'

A simple and inclusive process to access multiple government services.

Users can set up a secure account and prove their identity...



Google Play Games Apps Movies & TV Books

GOV.UK ID Check

Government Digital Service

4.8★ 100K+ Downloads

GOV.UK

Install

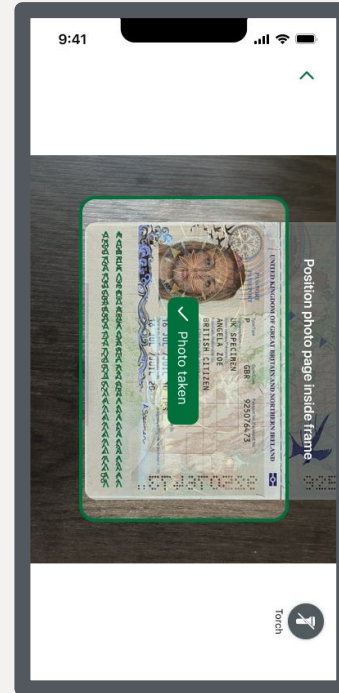
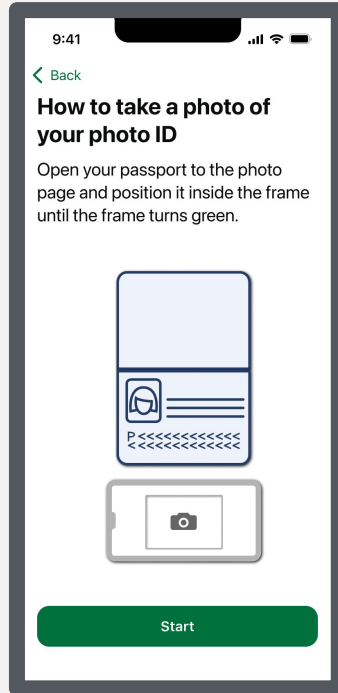
Install

★★★★★

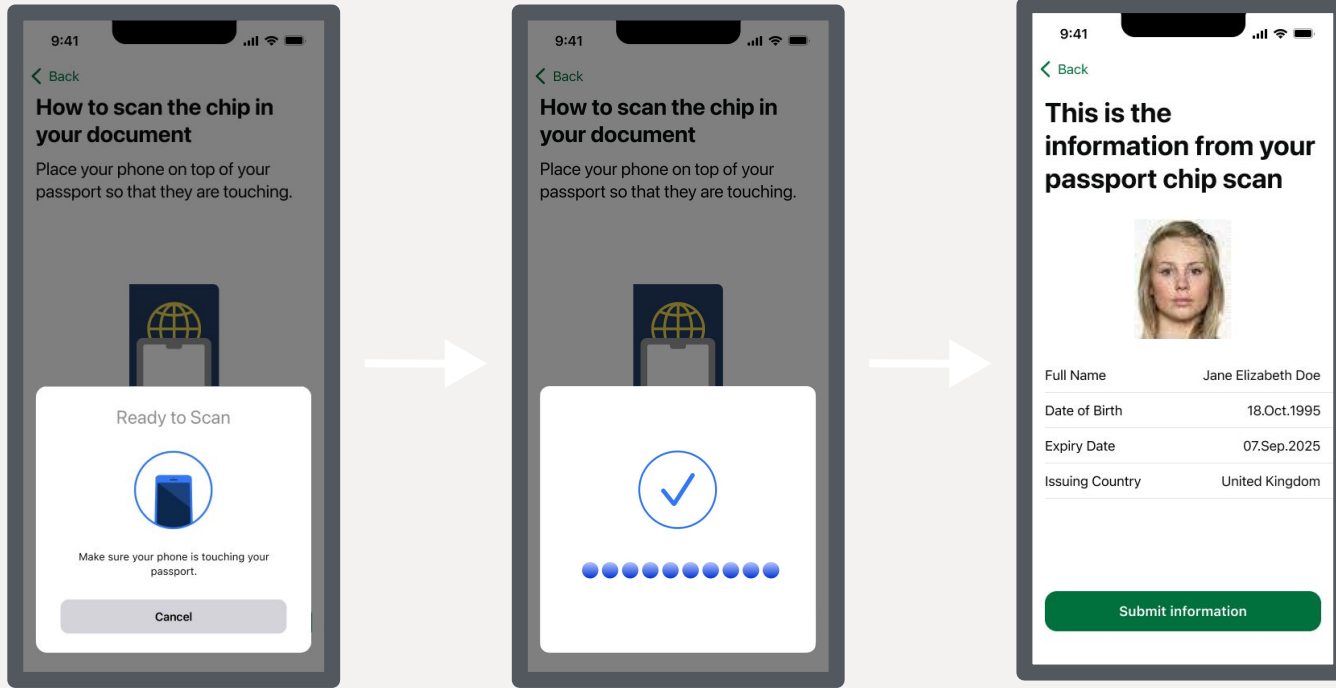
Very quick and easily guided ID check connected to the government website. It works perfectly and I found it user friendly.

AI-Enabled identity proving

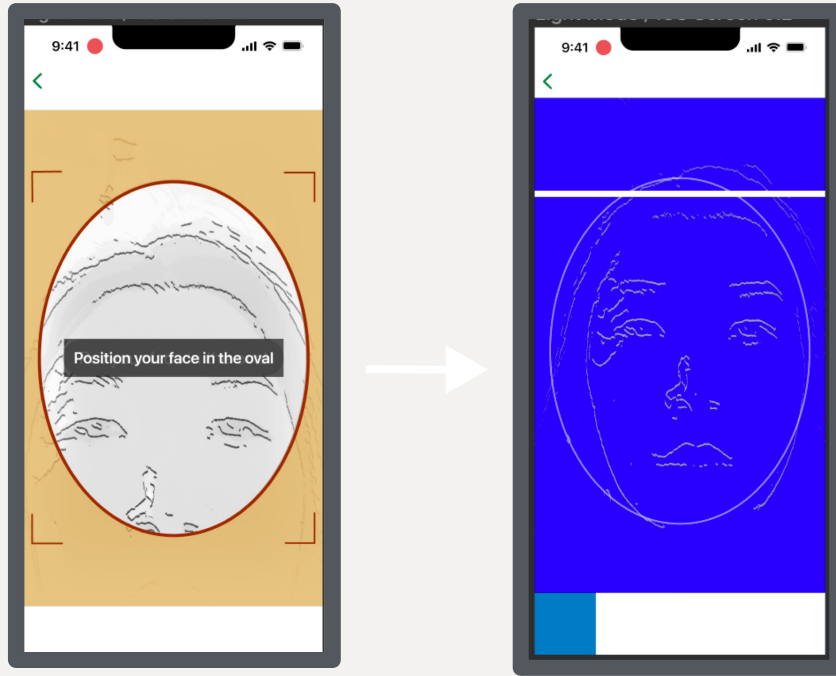
Extracting key information from an identity document...



Reading the information from the passport chip...



Liveness and likeness checks...



Data Sharing that enables
a better user experience

1. The GOV.UK One Login account is the means for you to access government services online
2. Real-world identity data are distinguishing; it prevents others from accessing your services online
3. Evidence data is checked with authoritative sources if required; only the minimum fields are retained
4. Digital Identity is made up of identity attributes and our checks over evidence document data

1. GOV.UK One Login Account data

Account

Username (email), password, authenticator (app or mobile phone number)

2. Real-world identity data

Who does the identity represent?

Attributes

Name, Date of birth, Address history

3. Checks data

Data from sources we trust

Document Data

Passport

Driving Licence

BRP / BRC

Assertion Evidence Data

Knowledge-based

Electronic document data

4. Digital Identity data

Identity checks

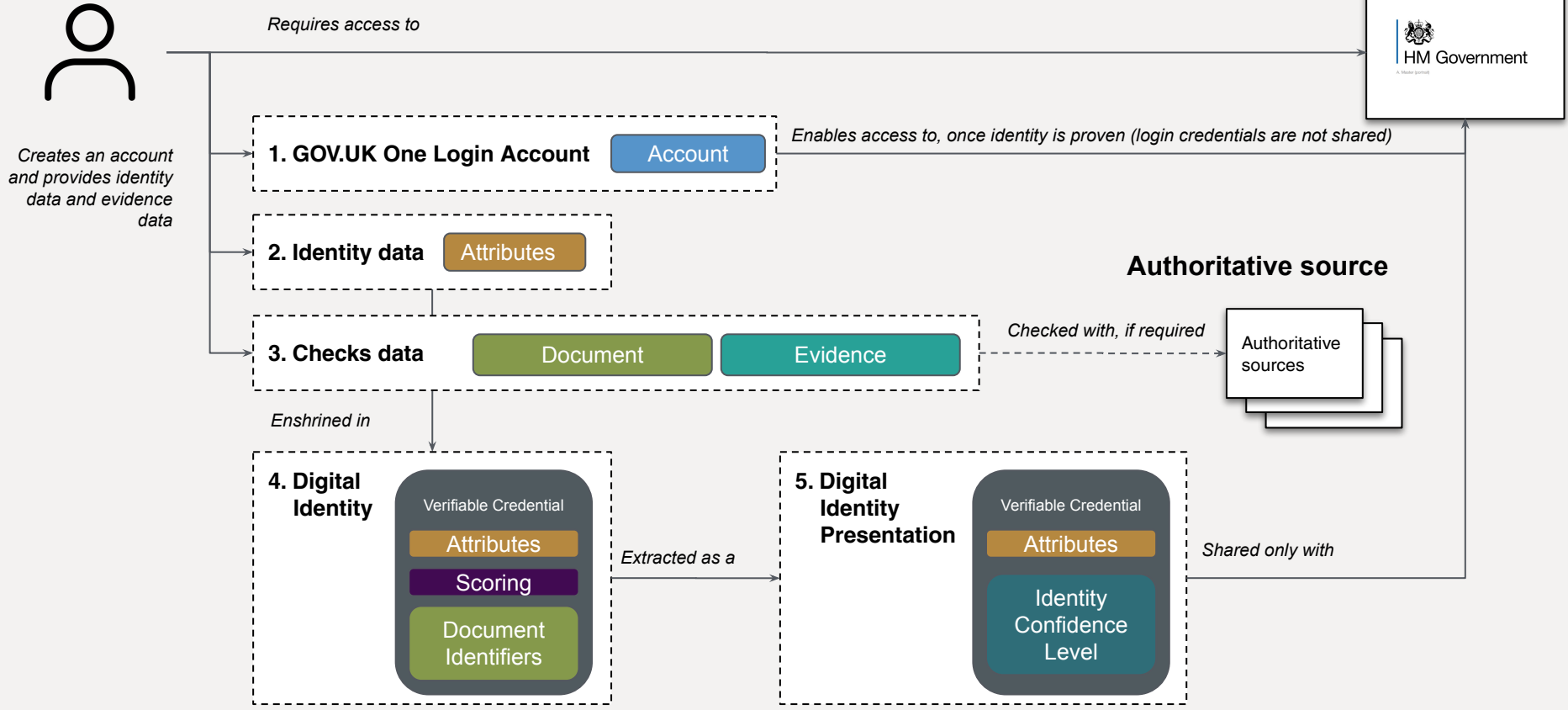
Attributes

Scoring

Document Identifiers

Person

Government service



Data Sharing to help
detect fraud

Part of One Login's remit is to prevent fraud against the public sector...

We can do this by:

- Standardising high quality IDV procedures across departments
- Simplifying public interactions with government so they are consistent and user-friendly
- Leveraging our centralised view of user interactions across government to spot fraud trends
- Stopping fraud before it's perpetuated across multiple parts of government

Shared Signals Vision...

Enable the **bidirectional sharing of fraud data** between One Login and its connected services, in order to improve our collective ability to **detect and prevent fraud** in a **timely manner**.

Implementation Overview

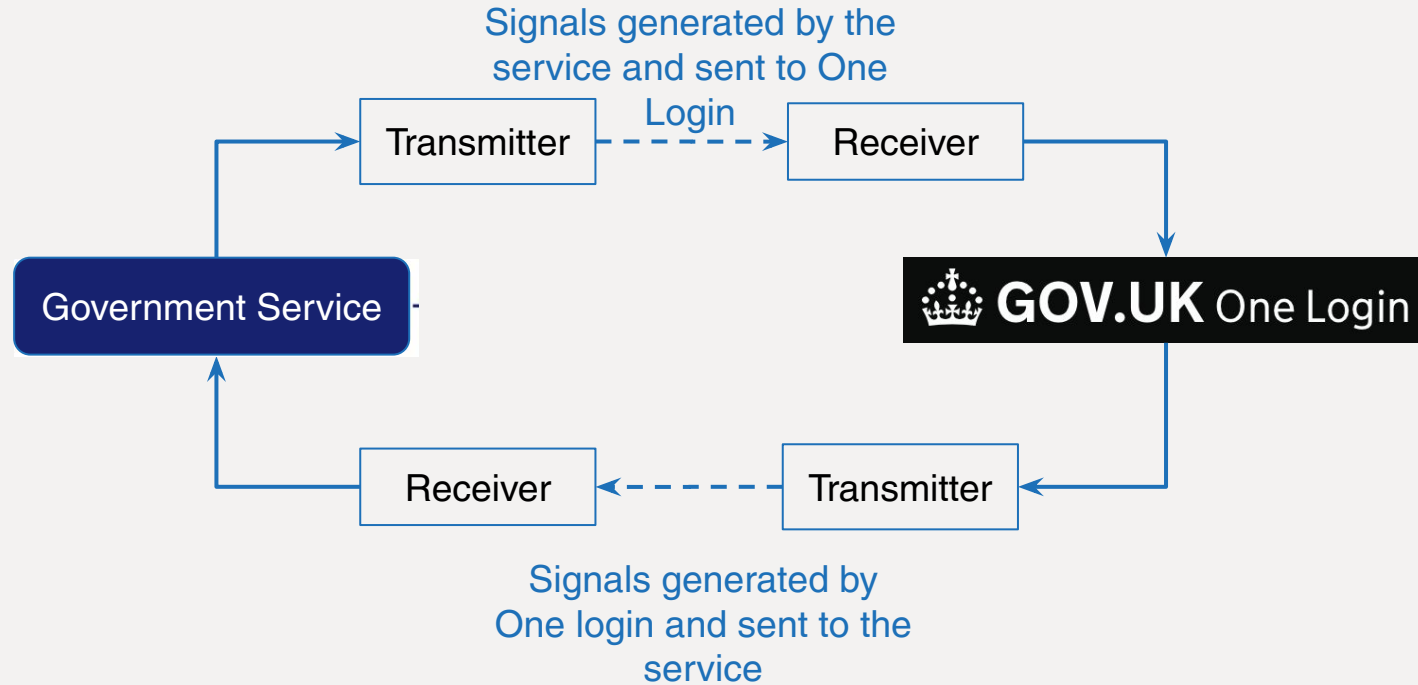
There are two supported methods for exchanging fraud signals.

The **API method** allows OGD systems and One Login to exchange Fraud Signals automatically and in real time.

The **User Interface method** allows registered users from OGDs to log into an interface and upload messages extracted from their internal systems to One Login, and to download messages from One Login to import into local systems.

There is no difference in the handing of the signals once they reach One Login. The same validation and ingestion processes are used.

API Signal sharing between GOV.UK One Login and Connected Services



The Shared Signals UI

GOV.UK Update shared fraud information

Update shared fraud information

Use this service to download and add fraud information, often called shared signals.

Download information

[Download latest fraud information from One Login](#)

Add information

[Add fraud information to One Login using a form](#)

Service last updated on 23 June

Screen to allow a user to choose Download or Add signal

GOV.UK Update shared fraud information

[Back](#)

What is the reason for this update?

This is often referred to as the event type

- Accounts blocked from using our services
- Accounts unblocked from using our services
- Suspicion or detection of identity fraud
- Password compromised

[Continue](#)

Screen for adding signals

Future opportunities
drive adoption and utility
of digital identity

What comes next...

- Interoperability across organisational boundaries
- AI advancements in fraud detection
- Greater control and personalisation for users

Thank you

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GOV.UK One Login
Government Digital Service