

# Enabling Digital Identity

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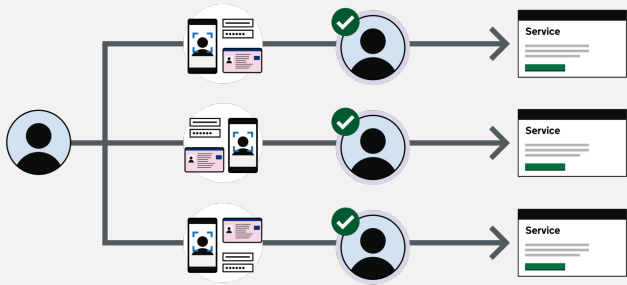
GDS

# 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

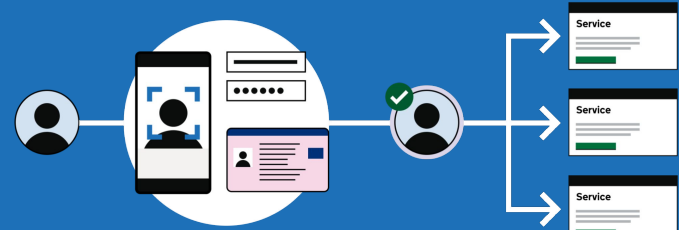
# Creating a Front Door to Government Services

# Creating a 'Front Door' to Government



## Multiple 'doors'

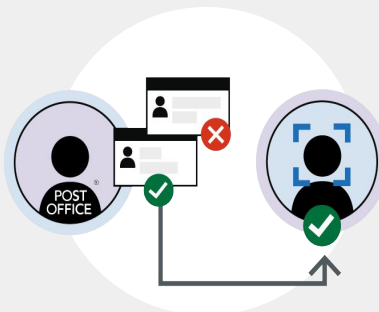
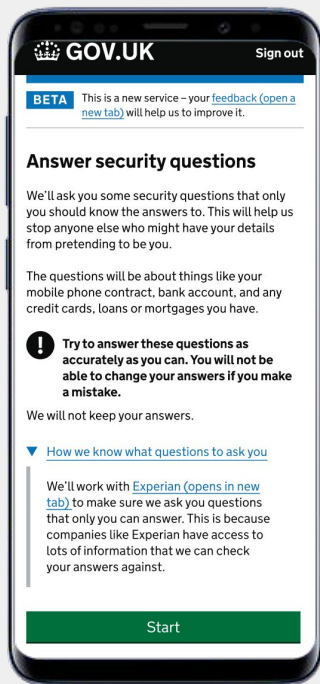
Repeatedly providing the same information again and again



## 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 CHIL

## GOV.UK ID Check

Government Digital Service

4.8★ 100K+ Downloads FCS 3.0

GOV.UK

Install

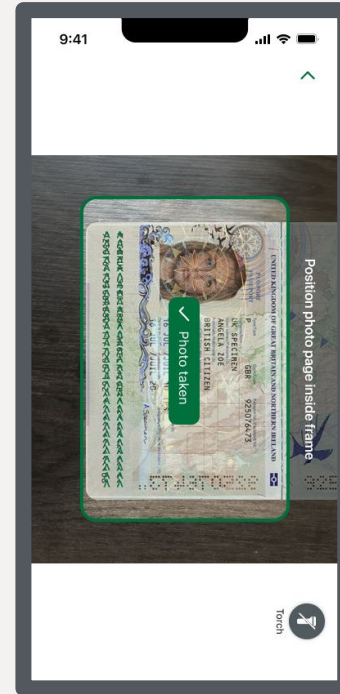
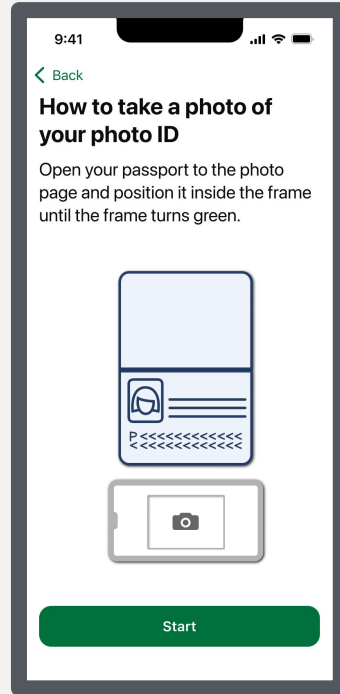
Install

★★★★★

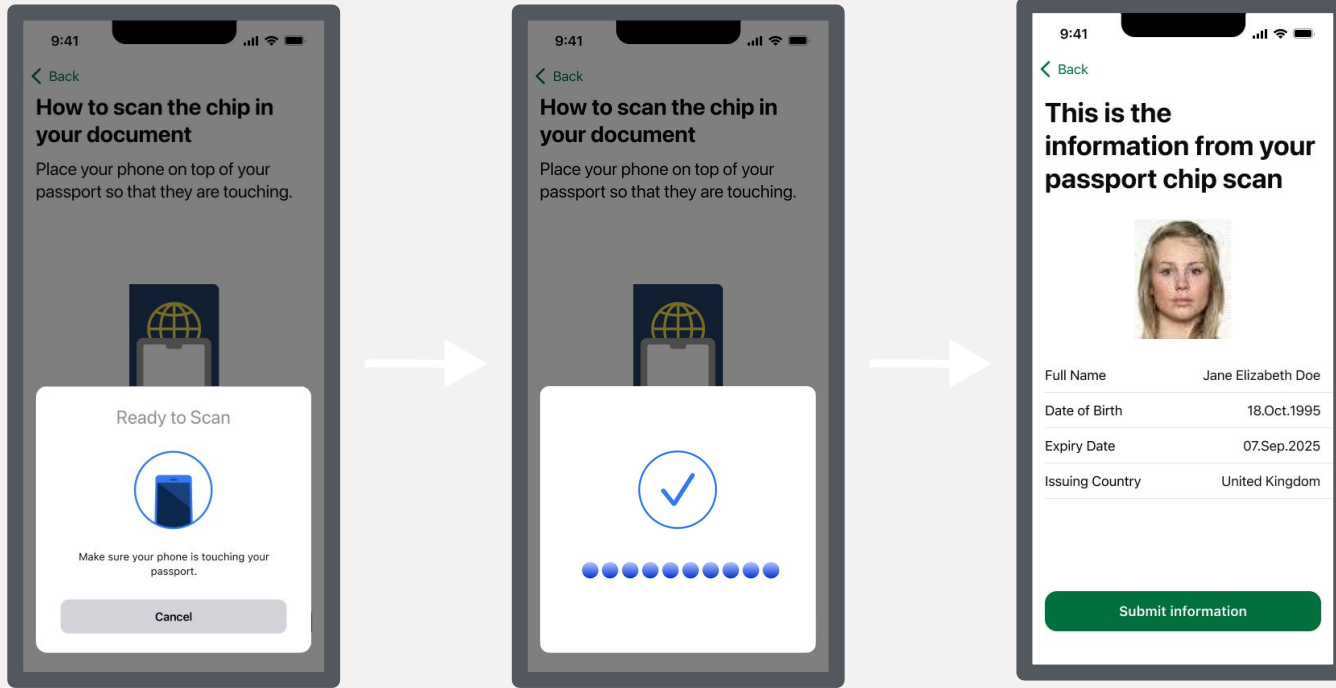
Very quick and easily guided ID check connected to the government website. It works perfectly and I found it user friendly.

# AI-Enabled identity proving

# Extracting key information from an identity document...

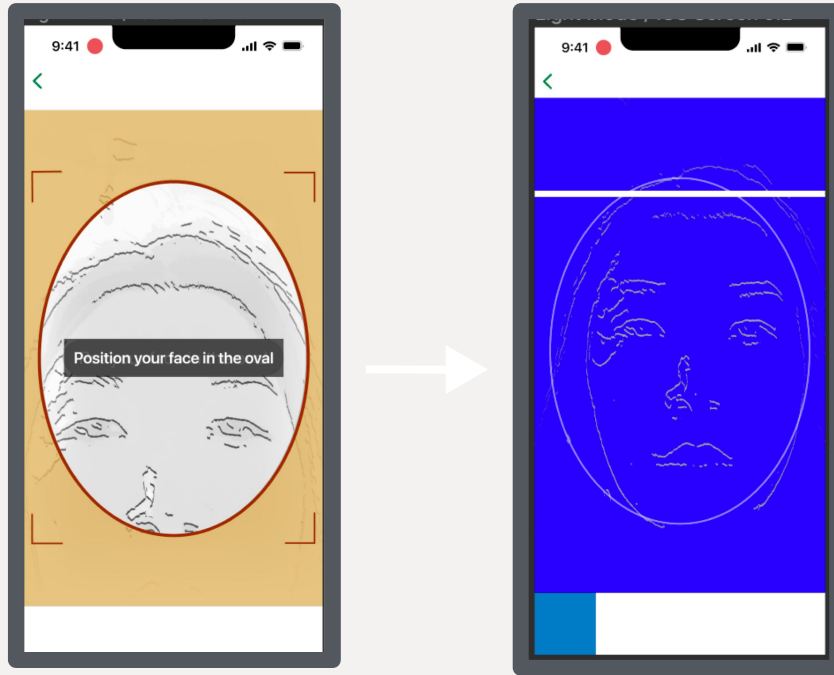


# Reading the information from the passport chip...





# 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

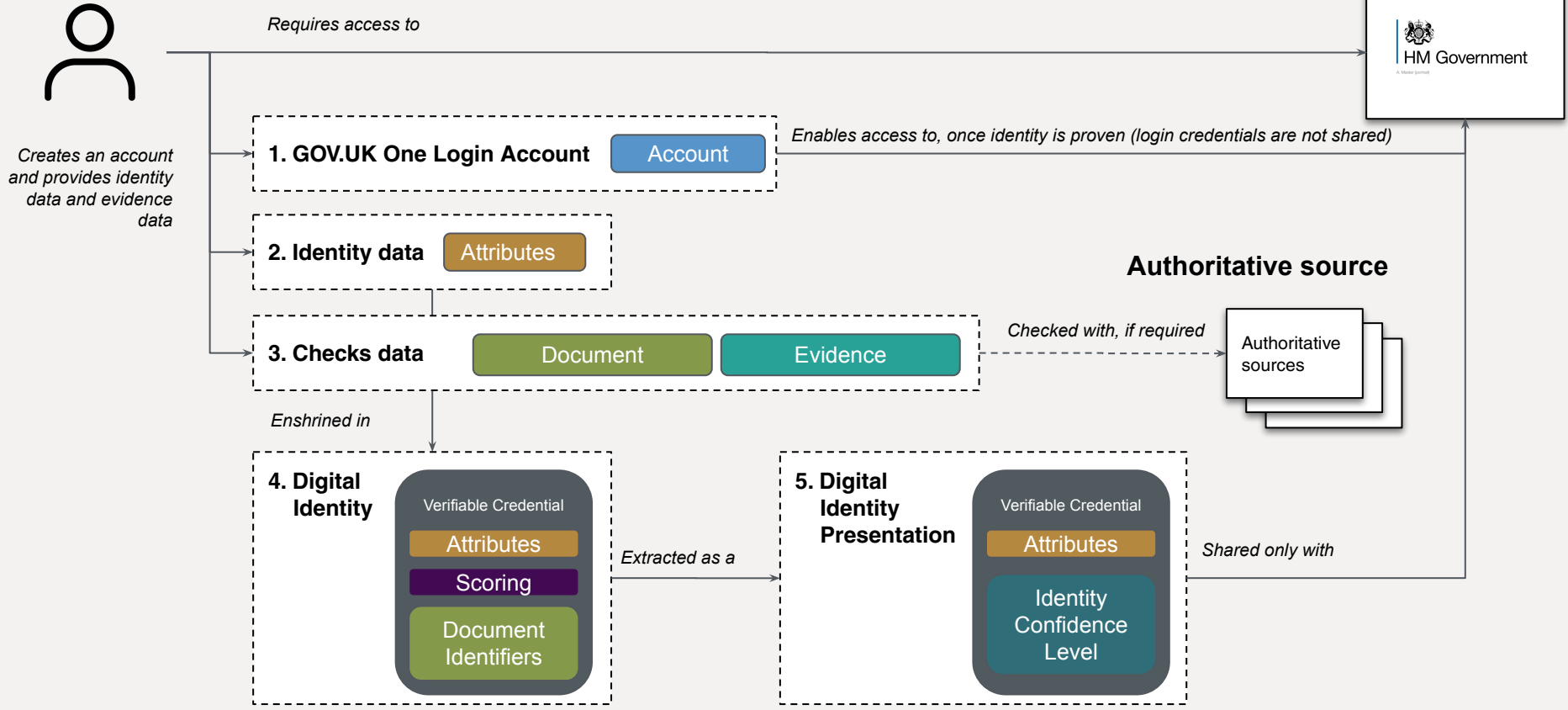
Attributes

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.**

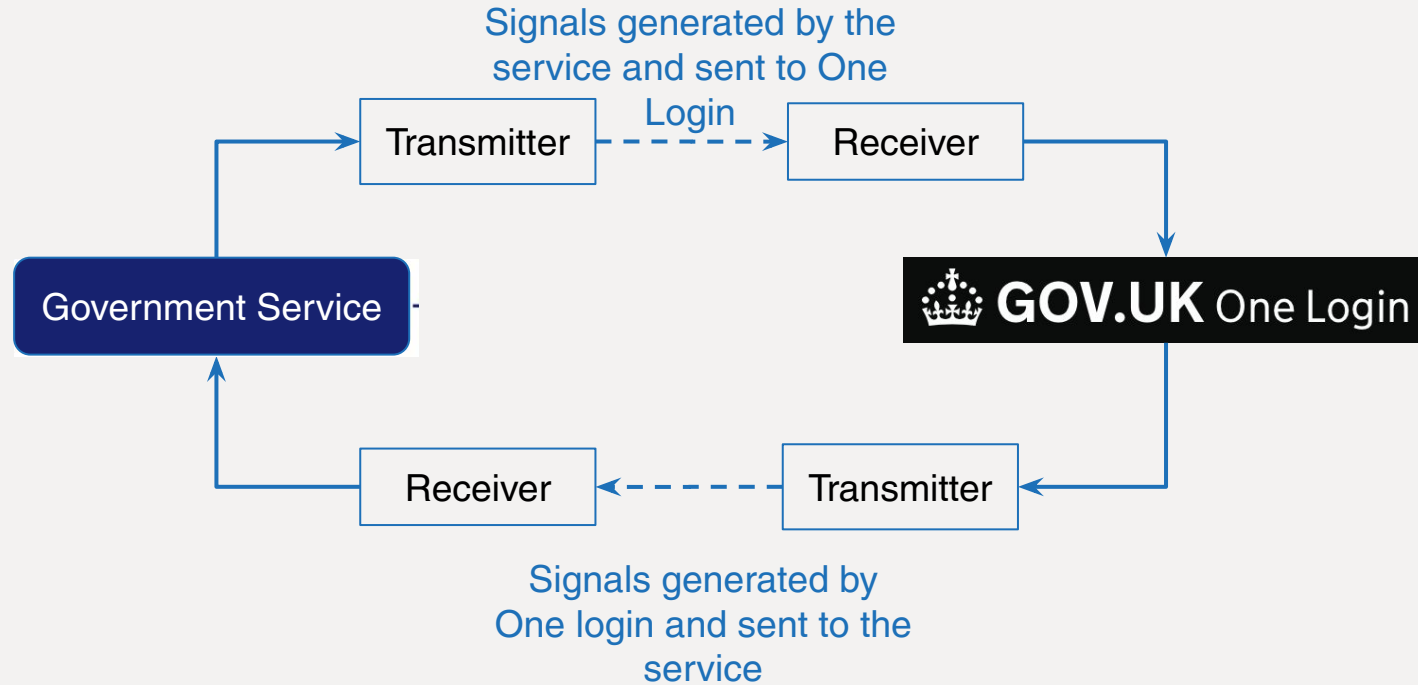
The **API method** allows OGD systems and One Login to exchange Fraud Signals automatically and in real time.

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