

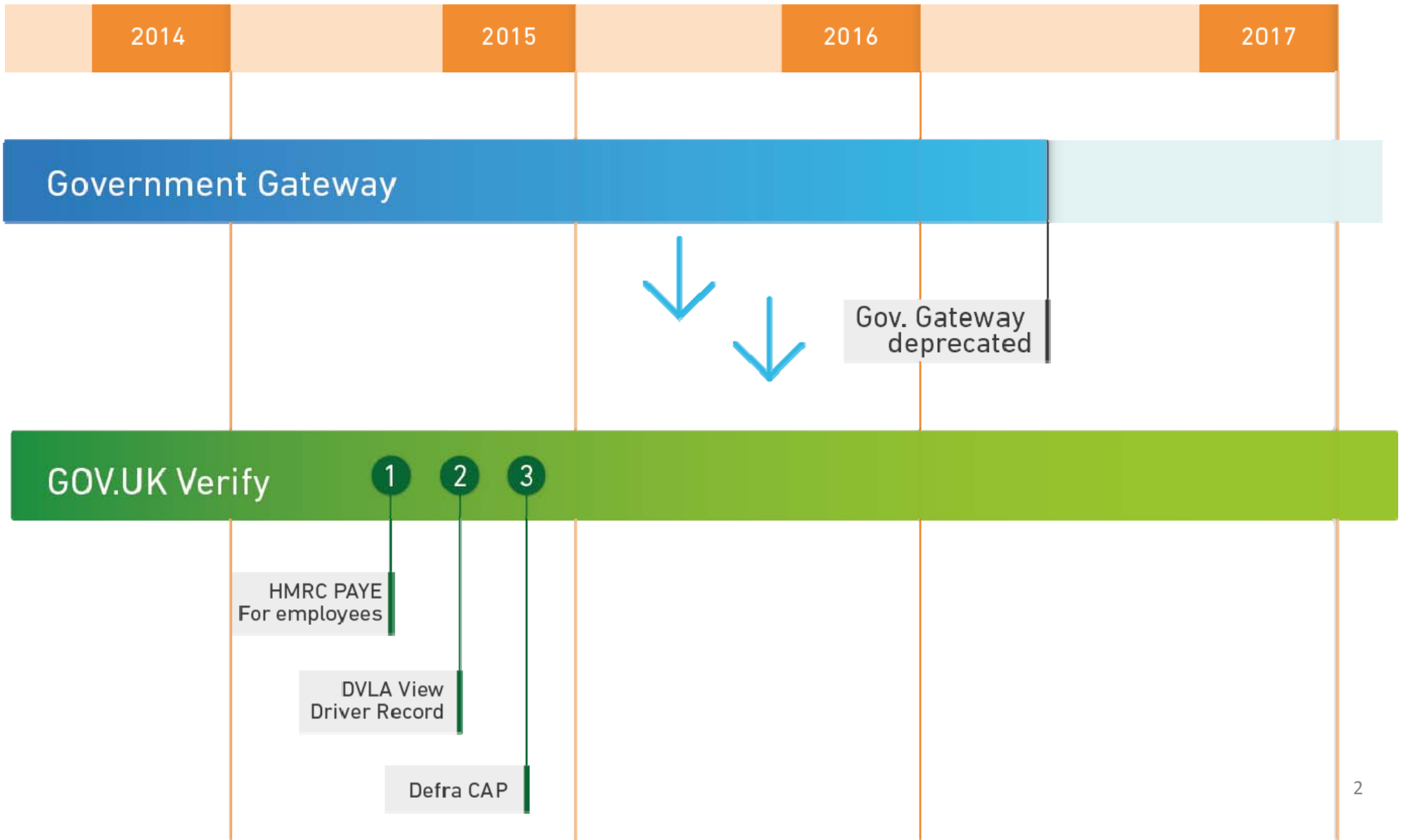


k a i n o s[®]

Integrating IDA

Managing challenges
and avoiding pitfalls

September 2014



To implement a user-led **federated identity** approach.

Establish a cross-HMG Identity **platform**.

Create a **marketplace** of identity suppliers

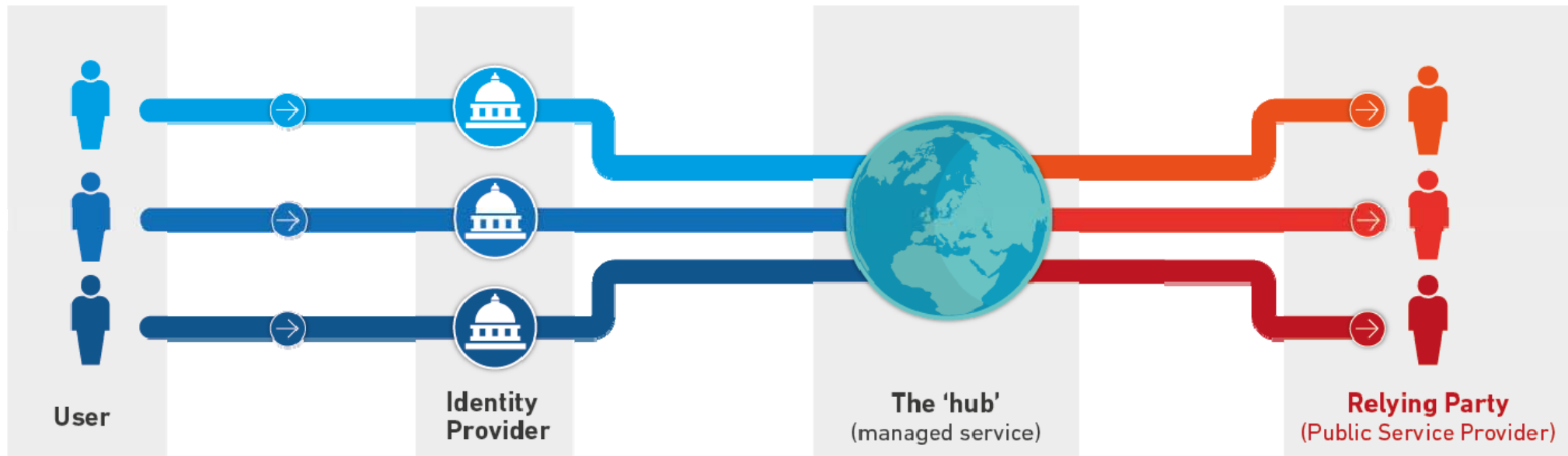
Create a **collaborative** identity **ecosystem** made up of users, industry and government.

1. Identity Assurance
2. Integrating with GOV.UK Verify
3. DVLA View Driving Licence
4. Defra Common Agricultural Policy

GDS:

- Manages central funding and procurement
- Develops and publishes standards
- Is building and running the hub
- Provides Document Checking Services

IDA Design



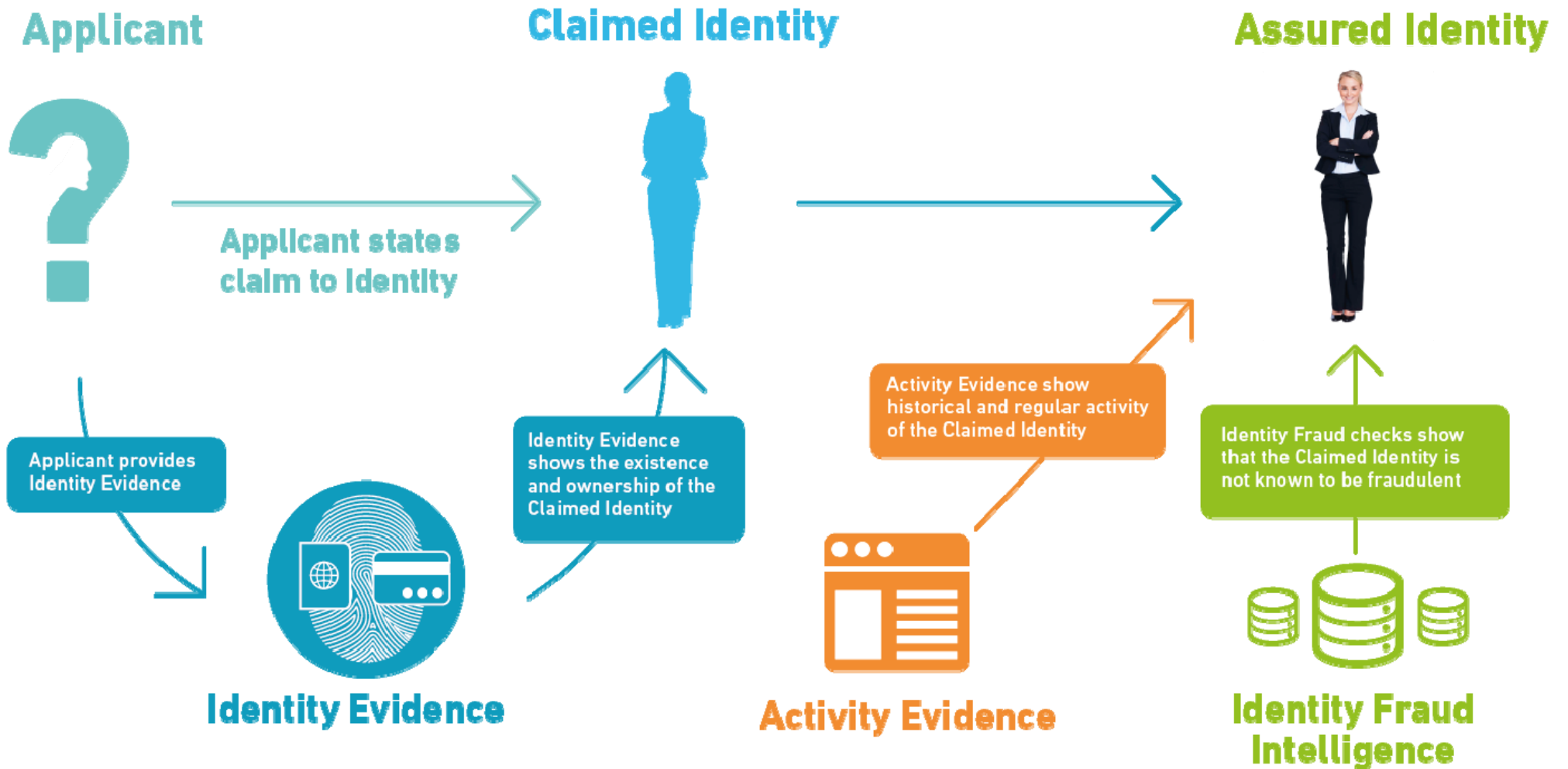
Separates Identity Provision from Service Provision:

- Services don't need to build verification, registration or authentication solutions
- Privacy is increased as government doesn't hold identity data

Introduces a Hub to orchestrate transactions:

- Allows Users to choose from a range of Identity Providers
- Provides a layer of abstraction between Identity Providers and Relying Party Services
- Ensures that policy for the transaction is observed
- Support for future services e.g. attribute enrichment

Proofing and Verification



Departments / agencies will need to:

- Decide whether identity assurance is required and if so what type / level
- Consider matching options
- Implement Integration Components

IDA will mean departments:

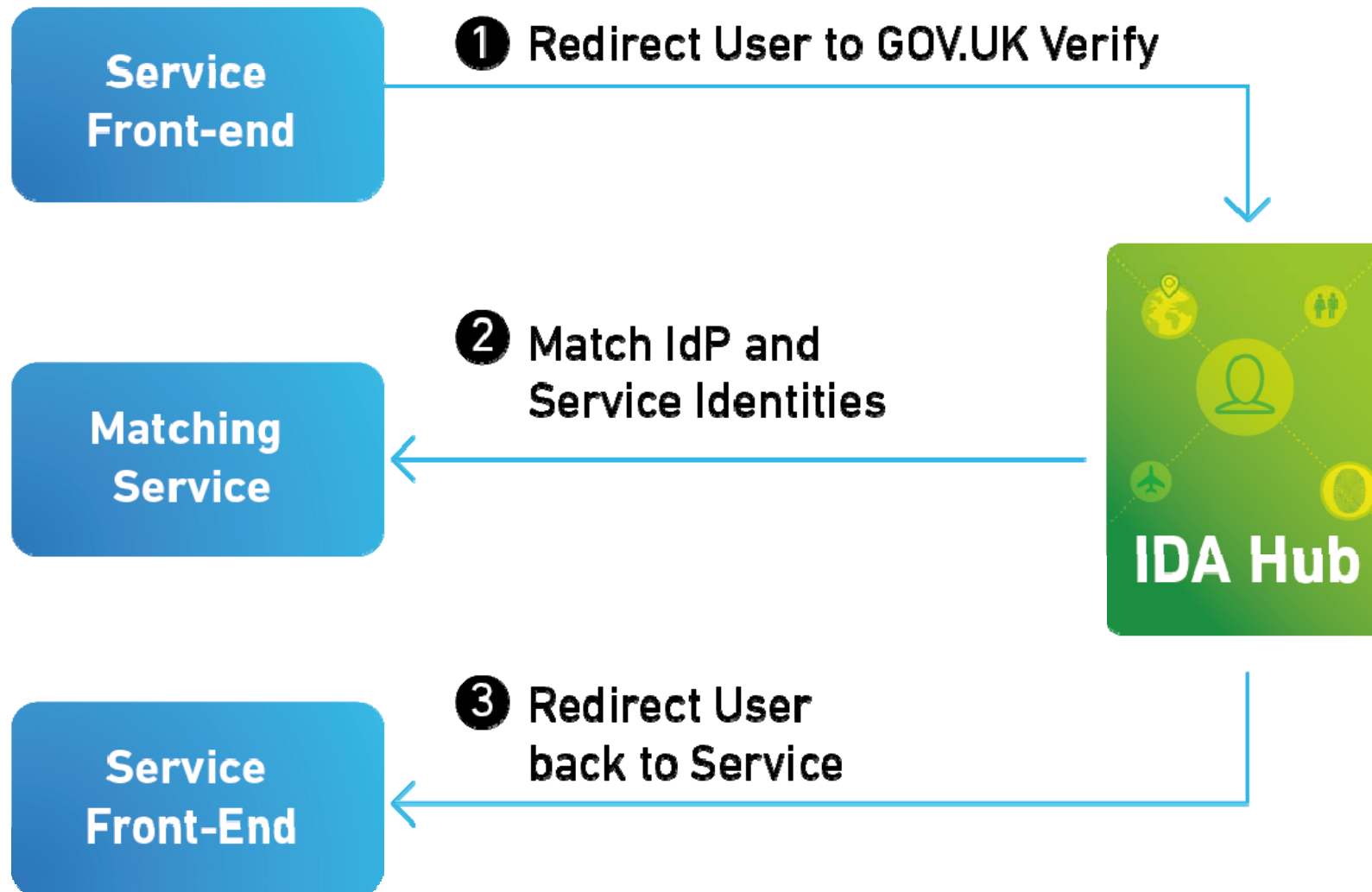
- Don't have to manage user credentials or identity proofing
- Will have access to a federated system that is secure by design, rather than a single IT solution

1. Identity Assurance
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Onboarding Approach

A successful IDA integration would follow these logical steps

1. **Identify Departmental Need** – Relying services, onboarding priority and assurance level, types of users, data sources
2. **Prepare and Cleanse Customer Data** – Aggregate, cleanse, make available for matching, federation of identities (if required)
3. **Transition plan** – Implementation of integration points with IDA Hub and phased approach to onboarding relying services
4. **Implement Matching logic** – Define department's rules for successful match, additional attributes to match identities reliably and securely



Implementation Tasks

- **User-facing authentication flow**

- Manage redirection of user's to and from the IDA Hub

- Exchange authentication data with hub using open SAML2 standard

- **Service – Hub authentication flow**

- Receive matching requests directly from the IDA Hub

- Attempt to match IDA-supplied identities to service/department identities

- Prompt IDA Hub to request additional attributes to assist matching (if required)

- **Identity Linking**

- Implement a store to maintain links between IdP and service identities

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Why Use IDA?

- **Feedback from Public Beta**
- **Strengthen Authentication Process**
- **Add additional data to service**
- **Improve Resilience & Availability**



BETA: This is a trial service. Your [feedback](#) will help us to improve it.

Services

View your driving licence

This is the first time you've used GOV.UK to access View your driving licence information.

For security, please help us verify the following details.

Your driver licence number

Verify >

 **GOV.UK**

BETA: This is a trial service. Your [feedback](#) will help us to improve it.

View Driving Record

Signing you in



Loading your details

[Help](#) [Cookies](#) Built by the [Government Digital Service](#)

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What is View Driving Licence?

The screenshot shows the GOV.UK 'View Driving Record' page. At the top, there is a black header with the GOV.UK logo and the title 'View Driving Record'. Below the header, there is a 'Logout' button. The main content area has three tabs: 'Your details' (selected), 'Vehicles you can drive', and 'Penalties and disqualifications'. Below the tabs, there is a message: 'To update your details or renew your licence visit the [driver licence](#) section on GOV.UK'. The user's name is 'MR GARETH TREVOR KITSON'. The personal details section shows: Date of birth: 19 Feb 1982; Gender: Male; Address: 120 ASHGREEN ANTRIM BT41 1EY. The licence details section shows: Driving status: You are disqualified until 18 Jun 2020; Licence valid from: 20 Sep 2009; Licence valid to: 20 Sep 2019; Driving licence number: KITSO802192GT2BD; Licence issue number: 01.

GOV.UK View Driving Record

Logout

Your details Vehicles you can drive Penalties and disqualifications

To update your details or renew your licence visit the [driver licence](#) section on GOV.UK

MR GARETH TREVOR KITSON

Date of birth **19 Feb 1982**

Gender **Male**

Address **120 ASHGREEN ANTRIM BT41 1EY**

Licence details

Driving status **You are disqualified until 18 Jun 2020**

Licence valid from **20 Sep 2009**

Licence valid to **20 Sep 2019**

Driving licence number **KITSO802192GT2BD**

Licence issue number **01**

Benefits

- **First step to strategic authentication**
- **Re-usable matching service to link IDA to a driver record**
- **Reduce cost of authentication**
- **First step to migrate from Government Gateway**

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4. **Defra Common Agricultural Policy**

What is CAP?

This site uses cookies. By continuing to use this site you are agreeing to our use of cookies. [Find out more about Cookies.](#)

BETA: This is a trial service - your feedback will help us to improve it

CAP Information Service

This is a new service that provides information on CAP schemes and helps you manage applications, agreements and claims online. You can easily check and manage land information online throughout the year.

We are building the new online service in stages. The service provides you with a quicker, simpler and more secure way to apply for CAP schemes. Your land must be in England.

BETA This is a 'beta' service - find out [what this means for you.](#)

[CAP Reform](#)

[Rural Payments Agency](#)

[Forestry Schemes](#)

[Rural Development Schemes](#)

Currently you can

- check and amend your personal details
- check business details
- check land details we have for the business
- give an agent, family member or others permissions to act on behalf of the business

From January 2015 you can

- access CAP scheme information
- apply for CAP schemes
- manage applications, agreements and claims

IDA Integration



To manage current applications, agreements and 2014 claims, continue to use existing services and associated contact details.

You cannot use Government Gateway to access this service.

You need to register with GOV.UK to use this service. People you want to act on behalf of a business will also need to register.

To do this, or to sign in if you are already registered, click the button below.

[Register or sign in to GOV.UK services](#)

Registration

 GOV.UK

CAP Information Service

[Sign out](#)

BETA: This is a trial service - your [feedback](#) will help us to improve it

Complete personal details

You need to check all your personal details, correct them if they are wrong and complete any missing details, where required.

About data use

Defra is the data controller for personal data you give to us or we hold about you. We use it in line with the Data Protection Act. For more information visit our Web site at rpa.defra.gov.uk then put Personal Data into the search box.

Personal Details

Title (optional)

Other Title (optional)

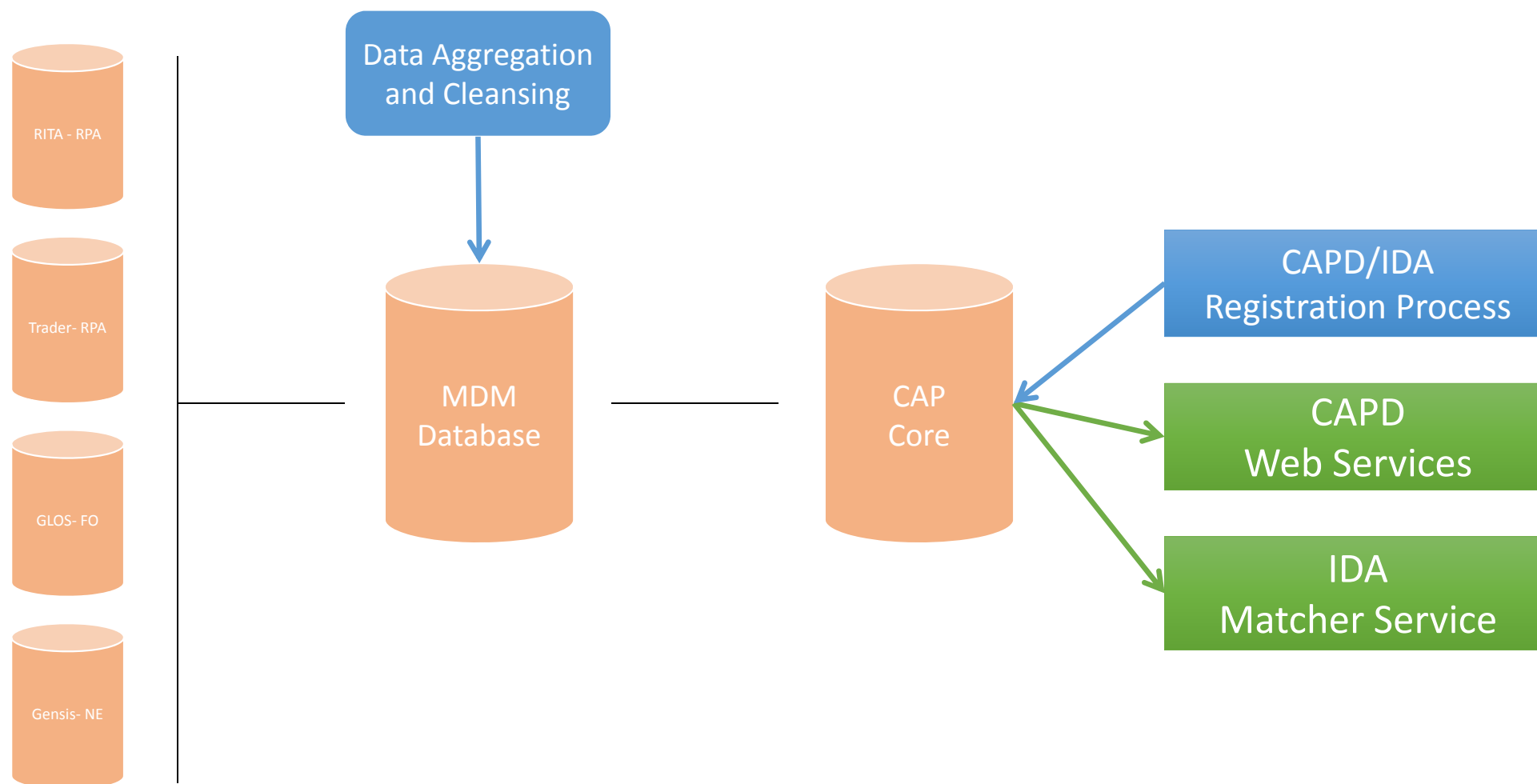
First Name

Middle Names (optional)

Last Name

Pre-populated from
Matching Request

Preparing for matching with customer data cleansing and linking to new golden record



Implementation Challenges

- **Needs Analysis**

Understand types of users for your service(s), additional matching assurance, registration of users

- **Data Quality**

What data sources exist within department, how can matching be supported by this data

- **User Driven Design**

Understand the authentication flow, and how it will appear to your users

- **Fuzzy Matching**

Understanding, from business and technical view, what level of fuzziness is acceptable/possible

- **Accreditation**

Early preparation for accreditation is key, engagement with PGA throughout process

Questions and Answers

Contacts

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