



Cabinet Office

GOV.UK Verify

August 2015

GOV.UK Verify is the new way to **prove who you are online so you can use government services safely**, like viewing your driving licence or assessing your tax.

GOV.UK Verify is being built by Government Digital Service (GDS), working with government departments, private sector and privacy consumer groups.

Verifying your identity takes about 15 minutes

You choose the identity provider most appropriate for you

There is no central identity database

There is no single identifier for users across services

Identity providers are independently audited and certified to publicly available standards:

- GPG 45 – Identity Proofing and Verification of an Individual
- GPG 44 – Authentication and Credentials for use with HMG Online Services
- IPV Operations Manual
- ISO 27001

2014 was about getting GOV.UK
Verify into public beta and working





The
Wright
Stuff

**FORGET ID CARDS, WELCOME
VIRTUAL ID!**

Phone lines are now closed



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ROSIE MILLARD

Tuesday 4 November 2014

A virtual ID might sound dystopian, but it will make everything so much easier — even taxes

The government is moving online. We shouldn't be afraid, we should be excited

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i100^{META}

NOW TRENDING



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Government Digital Service

Gov.uk quietly disrupts the problem of online identity login

The government's own expert digital design team have spent three years building a new, safe system for verifying user's identities - now in action on gov.uk

Charles Arthur

@charlesarthur

Thursday 6 November 2014 14.36 GMT



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James Blunt's letter to Chris Bryant - in full

Today we have:

- 7 services
- 4 certified companies verifying identity
- 263,000 verified users
- 662,000 authentications



digidentity



In January, several hundred people a day were successfully using GOV.UK Verify to submit their self-assessment.



Simon Haley

@halo42



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Just registered through the Gov.UK Verify process as an agent: gov.uk/rural-payments - took me 5 mins max through Experian, really easy

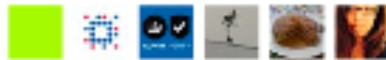


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9:00 AM - 6 Jan 2015



Ben Unsworth

@benunsworth



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Forgot my HMRC user name and pword.
Used @GOVUKverify service instead of
issuing new ones in the post. Service worked
brilliantly :)



RETWEETS

3

FAVORITES

5



7:01 PM - 6 Jan 2015

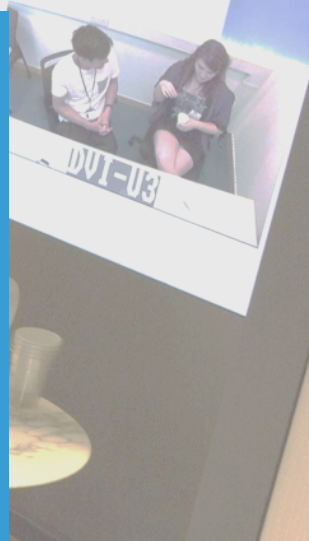
Our priorities for 2015 are:

- adding **more data and methods** so more people can use GOV.UK Verify
- allowing people to access **more services** through GOV.UK Verify

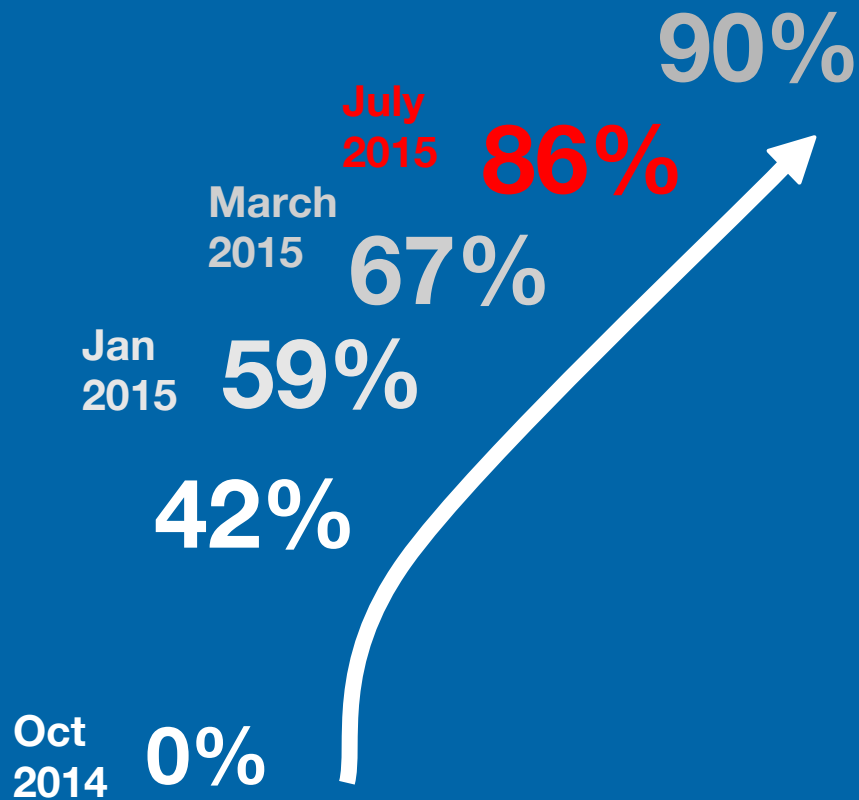


In public beta we continuously develop GOV.UK Verify based on

- data
- user and partner feedback
- user research



Success rate



GOV.UK VERIFY

Procurement 2 awarded, April 2015

New and existing providers in place by summer 2015:

Barclays
Digidentity
Experian
GB Group
Morpho

Royal Mail
PayPal
Post Office
Verizon

There are already 7 services using GOV.UK Verify, and others waiting to join...



Already connected



Due to connect

- Rural Payments (Defra)
- PAYE - Change Company Car Details (HMRC)
- Self Assessment (HMRC)*
- Tax Credit Renewals (HMRC)
- Redundancy Payments (BIS)*
- Claim a Tax Refund (HMRC)
- Help your friends or family with their tax (HMRC)

- iForms (HMRC)
- View Driving Licence (DVLA)
- Universal Credit (DWP)*
- Transferable Tax Allowance (HMRC)
- Healthy Liverpool (NHS Liverpool CCT)*

*limited trials

Architecture overview

The basis of the federation:

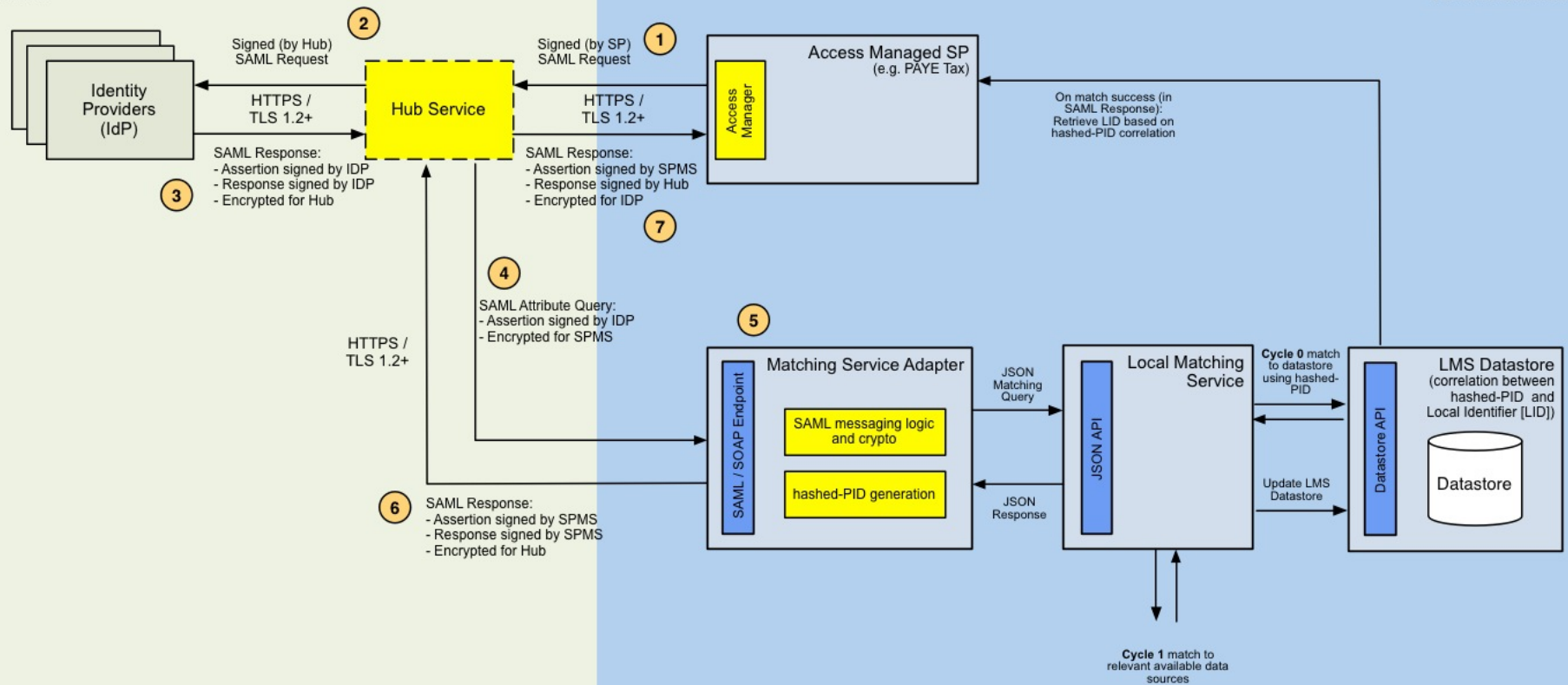
- GOV.UK Verify utilises a federation Hub
- The Hub Service is the only Identity Provider (IDP) a SP will use
- The Hub Service is the only SP that requests authentication from our IDPs
- The Hub also provides IDP discovery for users and orchestrates matching

The basis of the federation:

- Service Provider (SP) initiated authentication
- HTTP POST binding
- Crypto used to ensure integrity and confidentiality
- GOV.UK Verify SAML Profile published publicly

Key concepts:

- A successful authentication provides an assertion of identity including Matching Data and a Persistent Identifier (PID)
- Matching data = name, address, DOB, gender + history where available



The basis of the federation (matching):

- Matching service required at the SP
- SOAP back-channel between hub service and matching service
- Matching Service Adapter (MSA) provided by Verify as a black-box service (JSON API)

Why is matching important?

- The UK does not have a single identifier for individuals
- Matching finds a relevant local identifier or 'account' for the user at the service provider
- Allows us to create the trust anchor within the security domain of the service provider



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