



DOMAIN NAMES NOT FOLLOW UP LT 2022

OCTOBER 2025

ID BASICS

What are identifiers?

What is the ID for?

Properties of identifiers

Shared vocabulary

Syntax and Semantics

Governance

Assignment and resolution

Syntax	Letters and numbers (ASCII, Unicode). Structured and unstructured (prefix, symbols separation, character count or flat)
Semantics	Humans can understand or apprehend; or, only machine readable
Governance	Managed within organization, association, government or global governance
Assignment	Assigned within a domain or global assignment
Resolution	Local resolution into local IT system or global resolution into local or global IT system

ID STANDARDS AND NUMBERS

How many are there?

URI RFC3986 - billions

UUID RFC4122 - trillions

Domain names - 372 mln

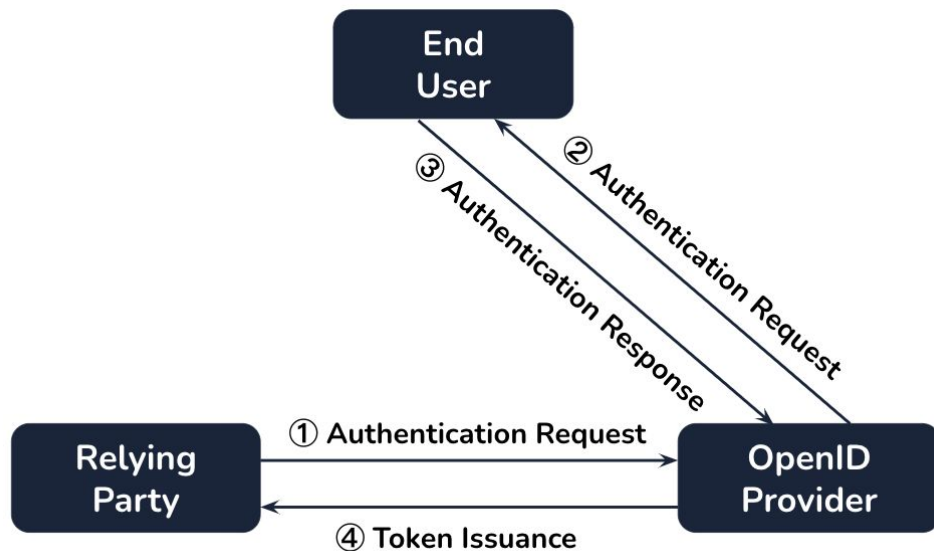
Today we focus on:

OpenID update

Demand for Decentralized Identifiers (DIDs)

GS1 track and trace ecosystem

OpenID



Step 1 - user attempts to start a session with a client application (i.e., a relying party) and is redirected to the OpenID provider for authentication.

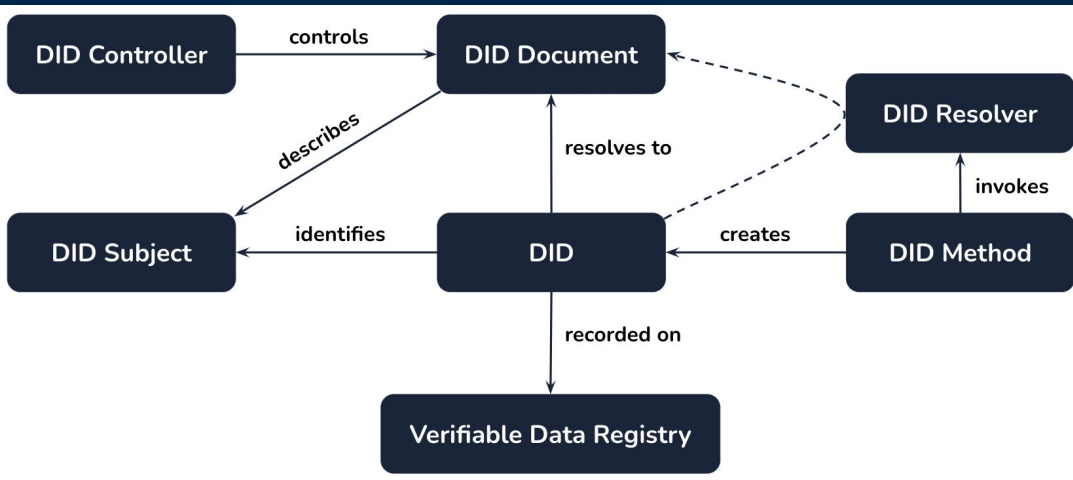
Step 2, the OpenID provider prompts for user authentication and shows the end user which user attributes the relying party is requesting.

Step 3, the end user authenticates to the OpenID provider and grants or rejects access to the requested user attributes.

Step 4, the end user is redirected back to the relying party by the OpenID provider.

250 global members and regional working groups, consensus-driven decisions

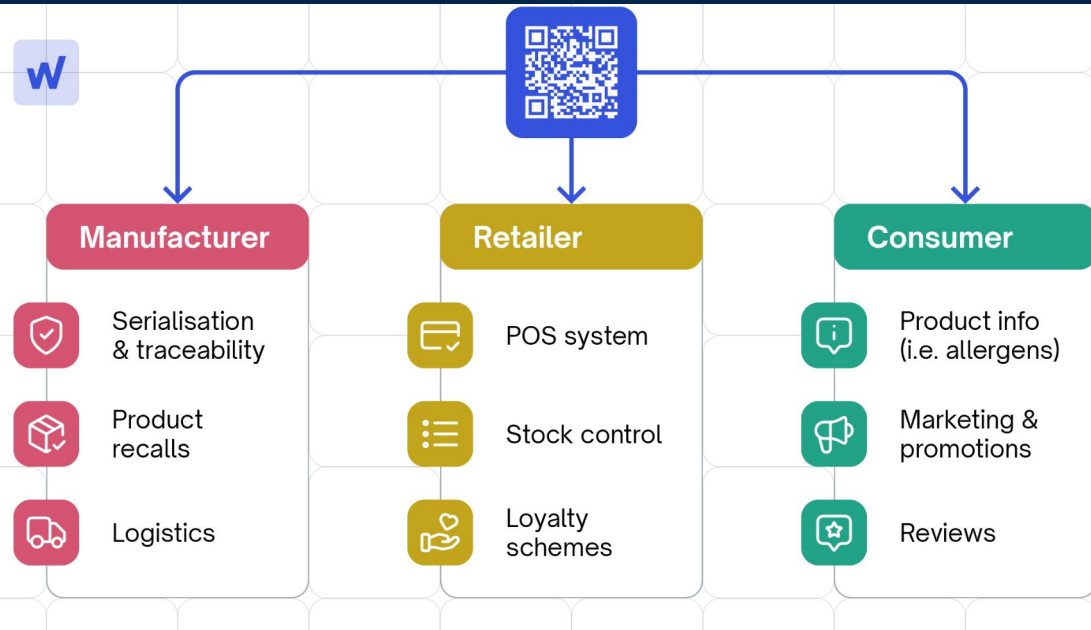
DIDs



DID is a W3C a standardized data model and syntax with a protocol-like structure for resolution and verification

The W3C's DID Working Group (over 100 global participants, including industry leaders) defines the core syntax, data model, and resolution processes. Specific DID methods are governed by their respective communities

GS1 track and trace



Its all over the world. Check your package delivery status :)

1970s: Birth of Barcodes

1990s: Global Expansion

2000s: Data-Rich Evolution

2010s: Digital Integration

2020s: Modern Apps & Sustainability

GS1's governance is decentralized and coordinated through a network of over 115 member organizations

Thank you!

How many systems are there?

The estimation of 40 to 60 worldwide identification systems globally reflects the diversity in how these systems are designed, managed, and implemented across allocation, resolution, and governance principles, aligning with the themes "Syntax and Semantics," "Governance," and "Assignment and resolution."

