

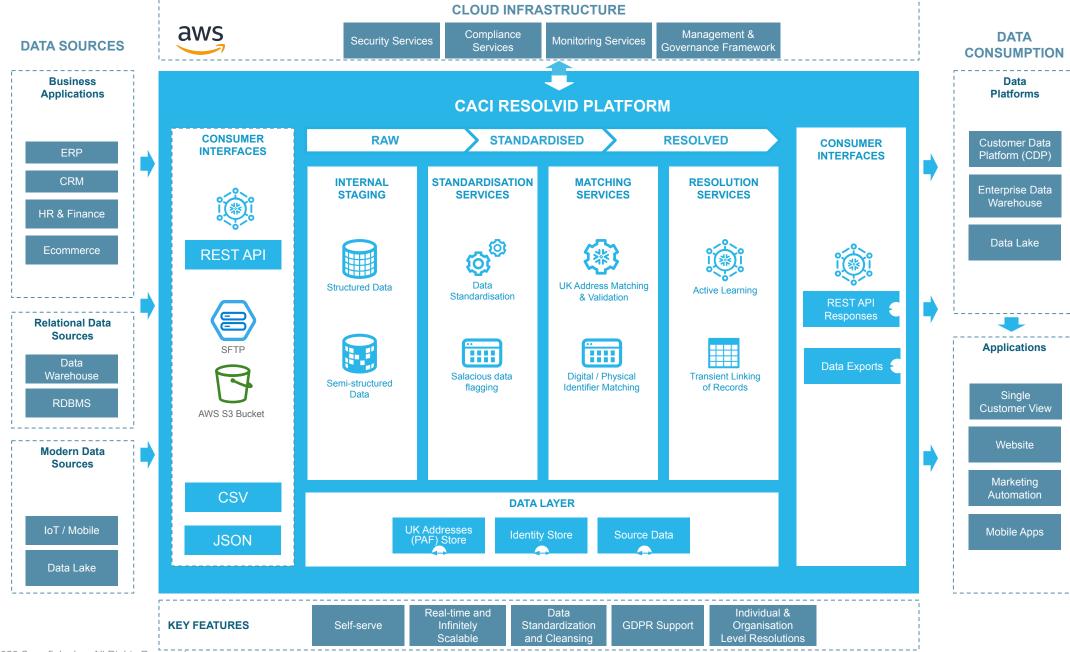
## ResolvID

**SNOWCASE** 

**ARCHITECTURE** 

Snowflake, CACI

## **ARCHITECTURE**



Identity Resolution	Identity Resolution within ResolvID is an active learning process customised to specific client identifiers and business rules. The Identity Store and Source database are constantly being updated from multiple data sources with data containing physical and digital identifiers. Using this information and custom rulesets, records are linked and each resolved identity is assigned a unique identifier.
Data Standardisation	Email addresses, telephone numbers and other identifiers are processed and standardised in real-time.
UK Address Matching	The Post Office Address File (PAF) which contains 30m+ UK postal delivery addresses, 1.8m UK postcodes and 1.4m UK business names, is used for address matching. The ResolvID address matching service can deal with sparse address data, parse and match with high accuracy.
REST API	Real-time identity resolution Restful API, with multiple identifiers and operating at an individual or organisation level. The API offers endpoints to resolve identities, validate postal addresses, deduplicate data and remove identities for GDPR purposes. Built using a Microservices approach and deployed on infinitely scalable and very resilient infrastructure.
S3 & SFTP Data Ingestion	In addition to the real-time capabilities of the API, automated bulk processing of your data via AWS S3 buckets and an sFTP service is also available.