

# Advancing Federal Financial Missions

## With Superior Entity Resolution

*Federal financial missions require agencies to investigate and understand people, companies, organizations, and assets so they can know whether a person or company is who they say they are.*

This helps agencies, for example, know if a person or company is connected in some way to a criminal enterprise or foreign adversary or is part of a fraudulent effort to reap federal benefits they are not entitled to.

A critical part of this investigative process is known as entity resolution (ER), which involves matching and linking records about people, organizations, and the relationships between them, within and across internal and external data sources and across multiple languages and formats, to create complete 360-degree views of entities that feed downstream systems.

### The Challenge

Many federal agencies struggle when it comes to doing ER well at a large scale and at machine speed. That's because ER is a highly complex task that requires linking numerous databases or data streams together, assessing many data points, deduplicating data, squaring discrepancies in the data, and applying human-like inferences to those data relationships to arrive at sound conclusions.

Typically, the technologies and systems that federal agencies employ to do this are either suboptimal in performance, difficult to use and incorporate into their business processes, extremely expensive to deploy and operate, or all the above.

### Senzing delivers superior ER for federal missions, easily and affordably












Senzing offers a highly proven, purpose-built, ER capability that is highly advanced, highly accurate, easy to use, easy to integrate into existing business processes, and up to one-tenth of the cost of most alternatives.

Senzing is a software development kit (SDK), which means agencies can deploy ER where they want, within the architecture of their choice, and incorporate it into their workflows quickly and easily.

#### ER assists federal financial mission tasks such as:

- Benefits fraud detection
- Business fraud detection
- Tax fraud detection
- Loan vetting
- Account onboarding for benefits
- Financial crimes investigations
- Financial sector oversight
- Border security
- Critical infrastructure protection
- Supply chain risk management
- International sanctions enforcement
- Intelligence operations
- Counter terrorism
- Tariff enforcement
- Watchlist monitoring & continuous vetting
- and much more

**Senzing is already widely used — and boasts an enthusiastic user community — at many federal agencies across the civilian, defense, and intelligence sectors. Only Senzing offers all these features:**

-  Real-time operations
-  Minimal data preparation
-  Built-In Privacy by Design (PbD)
-  Non-obvious relationship (NORA) awareness
-  Extreme speed and scalability
-  Deployable to the cloud or on premises in hours or days
-  Fewer false positives than alternatives
-  No ER expertise needed to train, tune, and manage
-  Explainable results
-  Superior results to homegrown and other commercial ER systems
-  Full data ownership — no data ever flows to Senzing

## Why Senzing

**Senzing has more than 250 years of combined experience building and deploying entity resolution systems.** Our partners include ANDECO, Carahsoft, ESRI, Expression Networks, RedHorse, Simple Technology Solutions, and Siren. These partners also include many data providers, including Open Sanctions, Dow Jones, Moodys, donjon, and many more.

**We've invested more than \$50 million to be the best in the ER domain so federal agencies don't have to reinvent the wheel by building their own capability.** For example, our ER engine supports disclosed relationships (like corporate hierarchies and families) as well as non-obvious relationship awareness (NORA), which is a capability that Senzing invented.

### **Senzing also invented the concept of entity-centric learning.**

Most ER engines “think” in terms of records, not in terms of entities. They simply compare one record with another record, over and over. In contrast, Senzing views a record and immediately builds an entity from that. Then, as it reviews and compares more data and records, it continuously builds and evolves that entity. Senzing doesn't simply match a new record to an existing record — instead, it matches a new record to an existing entity, which may be compiled from countless other records, for dramatically superior results.

Ideally suited for federal environments and workflows, Senzing makes superior ER affordable and possible for federal financial missions.



# Senzing

**ASK AN EXPERT**

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**Set up your free proof of concept today!**

Senzing is the first to deliver real-time AI for entity resolution. Senzing entity resolution gives organizations new insights to make better business decisions while reducing operational costs.

The Senzing API is the fastest and easiest way for commercial software vendors and organizations in financial services, public sector, information services and other industries to add highly accurate, flexible, and scalable entity resolution capabilities into applications, data fabrics, and other data services. Senzing is Smarter Entity Resolution®.